

PD-ABE-544
78422

Progress Report
United States Agency for International Development
Contract Number: DPE-5979-C-00-1024-00
Reporting Period: 1-1-92 to 6-30-92

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1. Narrative Summary of Progress

This contract was awarded on August 8, 1991 following an on-site visit of staff and consultants from Agency for International Development (AID) sent to evaluate the program and facilities of the University of South Alabama (USA). The AID team consisted of Drs. Kirk D. Miller and Steve Landry from the AID Malaria Vaccine Development Program, Cathy Savino from Atlantic Resources Corporation, and two technical consultants, Drs. Charles P. Raflo from the University of Houston, and Dr. Ed Stephenson from the Virginia/Maryland Regional College of Veterinary Medicine.

Most of the transition of contract activities from Battelle Laboratories to USA was completed during the previous reporting period; however, the final shipments of Aotus and Saimiri were completed in January and February, 1992. The Aotus shipped in January from Battelle were those animals which had been retained by Battelle to complete a study of cardiomyopathy. The Saimiri shipped in February were the last of this species belonging to AID and housed at Battelle. These animals had been retained as an interspecies control for the cardiomyopathy study. The Aotus arrived at USA on January 31, 1992 via environmentally controlled trailer/truck shipment. The Saimiri arrived February 6, 1992 by air freight. Battelle had received permission from AID to temporarily retain those animals.

A breeding colony of Aotus was given to AID in January, 1992. The receipt of the Aotus breeding colony from the Wellcome Foundation, Ltd. in England was accomplished after several months of intense negotiations between staff members of the University of South Alabama, regulatory agencies in the U.K. and the U.S., and staff at the Wellcome Foundation. This colony had been maintained at the Wellcome Foundation for more than 10 years and had been a successful breeding colony. The arrangements to transport these animals were complex requiring the colony to be shipped by air freight non-stop from the U.K. to Atlanta. Once in Atlanta, the animals were met by Dr. Alan Brady, a veterinarian, on the USA staff at the airport. The colony was immediately transferred to an environmentally controlled truck trailer for surface transport to Mobile. Only one death could be associated with shipping in the colony of 67 Aotus from the Wellcome Foundation.

An on-site review of contract activities was conducted by Dr. Kirk Miller and Dr. Steve Landry on April 8, 1992. During this review, presentations were made by Dr. Abee, Mr. Garcia, Dr. Williams, Dr. Brady, and Dr. Gibson. A number of matters pertaining to contract activities were discussed during this review. We discussed the need to abandon-in-place AID owned equipment that was broken and no longer serviceable. Dr. Miller suggested the preparation of a letter requesting permission to abandon-in-place broken equipment. Dr. Abee sent a letter April 14, 1992 to Ms. Lorie Doheny making this request. No response has been received as of June 30, 1992. The storage of this broken equipment is resulting in additional costs. It was also generally agreed that routine laboratory testing of animals at six months and 12 months of age as specified in the contract is not very useful. Instead, testing of animals prior to transfer or deacquisition would provide information more useful to investigators and the veterinary staff. A letter requesting a modification of the contract to change routine testing was mailed to Mr. Stephen Dean in the AID Office of Procurement on May 26, 1992.

The following issues relevant to contract activities were raised in the letter to Mr. Dean:

- a. We proposed to replace the Paradox animal inventory database with the Primate Record System database which was developed at USA. This database will have a communications server which will allow Drs. Landry and Miller dial-in access to the database.
- b. We proposed a plan in which USA will serve as the site for international quarantine of Aotus shipped from Iquitos, Peru.
- c. We proposed to modify routine clinical testing of animals as described above.
- d. We requested approval to karyotype the Aotus received from the Wellcome Foundation, U.K.
- e. We proposed to replace Shelia Dillard-Palughi with Dr. Lawrence Williams as Project Coordinator.
- f. We proposed to modify the project budget to allow Dr. Abee's salary to be modified to reflect changes in the FS-1 salary ceiling limitation for contracts.

In an interim response from Lorie Doheny dated June 8, 1992, we were informed that the request to replace Ms. Dillard-Palughi with Dr. Williams did not require contracting officer approval. Therefore, this change in personnel has been carried out. Dr. Williams became Project Coordinator effective June 13, 1992. Ms. Doheny's letter authorized an increase in Dr. Abee's current salary charged to the contract consistent with the new FS-1 salary limitation retroactive to January, 1992. Items a., b., c., and d. above have not been addressed by the AID contracting office as of June 30, 1992.

2. A current census of AID owned Saimiri and Aotus colonies at USA is attached to this progress report. Summary tables for each colony are listed below.

AID <u>Saimiri</u> Colony Summary Statistics for 1-1-92 Through 6-30-92		
Births	Stillbirths	2
	Abortions	2
	Live Births	23
Deaths	Animals < 6 mo.	7
	Animals > 6 mo	17
Sq. M. Received		30
Sq. M. sent to other labs		0
Census < 6 mo.		22
Census > 6 mo		253

AID <u>Aotus</u> Colony Summary Statistics for Animals Housed at USA Between 1-1-92 and 6-30-92									
		KI	KII	KIII	KIV	KV	KVI	KX	Unknown
Births	Stillbirths	1							
	Abortions	2	1						
	Live Births	9	5	2		1			
Deaths	Animals < 6 mo.	2	2			1			
	Animals > 6 mo.	8	14	7	4	4			1
Aotus received		46	1	3		36			67 ¹
Aotus sent to other labs		60	5						
Census < 6mo		5	2	1					
Census > 6mo		170	28	27	1	58			64

¹The animals received from the Wellcome Foundation are classified as unknown until their Karyotypes are confirmed.

3. The following is a list of all contract related transfers of animals to and from the University of South Alabama (USA).

Date Transaction (receipt of animals)

1-24-92 67 Aotus (32 females and 35 males) arrive at USA from the Wellcome Foundation, U.K.

1-31-92 50 Aotus (23 females and 27 males) arrive at USA from Battelle Laboratories, Richland, WA.

2-06-92 21 Saimiri (17 females and 4 males) arrive at USA from Battelle Laboratories, Richland, WA.

3-26-92 9 Saimiri (4 females and 5 males) arrive at USA from CDC, Atlanta, GA.

3-31-92 34 Aotus (14 females and 20 males) arrive at USA from University of Miami, School of Medicine, Miami, FL.

Date Transaction (transfer of animals to other institutions)

1-28-92 5 Aotus (2 females and 3 males) sent to CDC, Atlanta, GA.

3-05-92 20 Aotus (5 females and 15 males) sent to CDC, Atlanta, GA.

3-12-92 20 Aotus (9 females and 11 males) sent to CDC, Atlanta, GA.

3-19-92 20 Aotus (10 females and 10 males) sent to CDC, Atlanta, GA.

4. A list of all monkeys deacquired during this report period.

No animals were deacquired from USA during this report period.

5. Lists, by species, of all animals that have died and a summary of necropsy findings are attached. Necropsy reports and a summary of diagnostic laboratory testing also are attached to this report.
6. Tables listing, by species, all animals born during the reporting period are attached to this progress report.
7. A listing of all travel during the reporting period is provided below.

The only travel during this reporting period was the trip made by Dr. Brady (1-24-92) to and from the Atlanta airport to examine the Aotus upon arrival from the Wellcome Foundation, U.K. Dr. Brady's presence at the Atlanta airport was insisted upon by Wellcome Foundation staff to help assure the safe transport of the Aotus to USA.

8. Key personnel changes during the reporting period.

The only change in personnel during this reporting period is the resignation of Sheilia Dillard-Palughi as Project Coordinator and her replacement by Dr. Lawrence Williams at the same level of effort. This change in personnel occurred June 13, 1992.

9. List of all subcontracts and consultancies supported by the program, with purpose, start and end dates, and total costs during the reporting.

There were no subcontracts or consultancies supported by the program during this reporting period.

10. A list of Publications and presentations relevant to the AID contract is attached to this progress report.

Publications and presentations relevant to the AID contract were listed in the last Progress Report.

DEPARTMENT OF COMPARATIVE MEDICINE
 ID Order Listing
 Printed for 06/30/92

Rec.#	ID	SEX	SPECIES	SPLENE.	MALARIA	BREEDER	COUNTRY	ACQ SOURCE	ACQ DATE
1	90004	F	B	U	Y	N	Bolivia	Iquitos	11/03/87
2	90017	F	B	U	Y	N	Bolivia	Matt Block	04/07/86
3	90024	M	B	U	Y	N	Bolivia	Matt Block	11/03/87
4	90028	F	B	U	Y	Y	Bolivia	Matt Block	04/07/86
5	90039	F	B	U	N	Y	Bolivia	Matt Block	05/19/87
6	90042	F	B	U	Y	N	Bolivia	Matt Block	04/07/86
7	90070	F	B	U	Y	N	Bolivia	Matt Block	04/07/86
8	90077	F	B	U	N	Y	Bolivia	Matt Block	04/07/86
9	90088	F	B	U	Y	N	Bolivia	Matt Block	04/07/86
10	90104	M	B	N	N	N	Bolivia	Matt Block	08/01/89
11	90107	F	B	Y	Y	N	Bolivia	Matt Block	04/07/86
12	90110	M	B	U	Y	N	Bolivia	Matt Block	04/07/86
13	90117	F	B	U	N	Y	Bolivia	Matt Block	05/19/87
14	90123	F	B	U	Y	N	Bolivia	Matt Block	04/07/86
15	90128	F	B	U	N	N	Bolivia	Matt Block	04/07/86
16	90129	F	B	U	N	N	Bolivia	Matt Block	04/07/86
17	90131	F	B	U	Y	N	Bolivia	Matt Block	04/07/86
18	90138	F	B	U	Y	N	Bolivia	Matt Block	04/07/86
19	90142	F	B	U	N	N	Bolivia	Matt Block	04/07/86
20	90145	M	B	U	N	N	Bolivia	Matt Block	08/24/89
21	90154	F	B	U	N	N	Bolivia	Matt Block	04/07/86
22	90158	F	B	U	Y	N	Bolivia	Matt Block	04/07/86
23	90162	F	B	U	Y	N	Bolivia	Matt Block	04/07/86
24	90164	F	B	U	N	N	Bolivia	Matt Block	04/07/86
25	90174	F	B	U	Y	N	Bolivia	Matt Block	04/07/86
26	90175	F	B	U	Y	N	Bolivia	Matt Block	04/07/86
27	90197	F	B	U	Y	Y	Bolivia	Matt Block	04/07/86
28	90200	F	B	U	N	N	Bolivia	Matt Block	04/07/86
29	90211	F	B	U	N	N	Bolivia	Matt Block	04/07/86
30	90213	F	B	U	Y	N	Bolivia	Matt Block	04/07/86
31	90214	F	B	U	N	N	Bolivia	Matt Block	04/07/86
32	90223	F	B	Y	Y	N	Bolivia	Matt Block	04/07/86
33	90225	F	B	U	Y	N	Bolivia	Matt Block	04/07/86
34	90241	F	B	Y	Y	N	Bolivia	Matt Block	04/07/86
35	90248	F	B	U	N	N	Bolivia	Matt Block	04/07/86
36	90257	F	B	U	Y	N	Bolivia	Matt Block	04/07/86
37	90259	F	B	U	Y	N	Bolivia	Matt Block	04/07/86
38	90261	F	B	U	N	N	Bolivia	Matt Block	04/07/86
39	90262	F	B	U	N	N	Bolivia	Matt Block	04/07/86
40	90269	F	B	Y	Y	N	Bolivia	Matt Block	04/07/86
41	90297	F	B	U	N	N	Bolivia	Matt Block	04/07/86
42	90301	F	B	U	N	N	Bolivia	Matt Block	04/07/86
43	90303	F	B	U	N	N	Bolivia	Matt Block	04/07/86
44	90307	F	B	U	N	N	Bolivia	Matt Block	04/07/86
45	90311	F	B	U	Y	N	Bolivia	Matt Block	04/07/86
46	90315	F	B	U	N	N	Bolivia	Matt Block	04/07/86
47	90321	F	B	U	Y	N	Bolivia	Matt Block	04/07/86
48	90323	F	B	U	Y	N	Bolivia	Matt Block	04/07/86
49	90326	F	B	U	N	N	Bolivia	Matt Block	04/07/86
50	90330	M	B	U	Y	N	Bolivia	Matt Block	04/07/86
51	90362	F	B	U	N	N	Bolivia	Matt Block	04/07/86
52	90422	M	B	Y	Y	N	Bolivia	South America	05/29/84
53	90425	M	B	Y	Y	N	Bolivia	Buckshire Farms	12/02/85

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Rec.#	ID	SEX	SPECIES	SPLENE.	MALARIA	BREEDER	COUNTRY	ACQ SOURCE	ACQ DATE
54	90584	M	B	N	Y	N	Bolivia	unknown	01/01/80
55	90605	F	B	U	Y	N	Bolivia	Matt Block	10/12/87
56	90611	M	B	U	N	U	Bolivia	Matt Block	10/12/87
57	90612	M	B	U	N	U	Bolivia	Matt Block	10/12/87
58	90619	F	B	U	Y	N	Bolivia	Matt Block	10/12/87
59	90622	F	B	U	Y	N	Bolivia	Matt Block	10/12/87
60	90623	F	B	U	Y	N	Bolivia	Matt Block	10/12/87
61	90656	F	B	U	N	N	Bolivia	Battelle	09/27/88
62	90669	M	B	U	N	N	Bolivia	Birth	07/28/89
63	90671	F	B	N	N	N	Bolivia	Birth	07/11/89
64	90672	F	B	N	N	N	Bolivia	Birth	07/18/89
65	90673	M	B	N	N	N	Bolivia	Birth	03/10/89
66	90674	F	B	N	N	N	Bolivia	Birth	03/01/89
67	90675	M	B	N	N	N	Bolivia	Birth	06/27/89
68	90676	M	B	N	N	N	Bolivia	Birth	07/31/89
69	90677	M	B	N	N	N	Bolivia	Matt Block	03/28/90
70	90682	M	B	N	N	N	Bolivia	Batt Block	09/19/91
71	90704	F	B	U	N	N	Peru	Battelle	08/05/89
72	90705	M	B	U	N	N	Peru	Battelle	08/12/89
73	90707	F	B	N	N	N	Bolivia	Battelle	08/12/89
74	90708	M	B	N	N	N	Bolivia	Battelle	08/12/89
75	90710	F	B	N	N	N	Bolivia	Matt Block	08/01/89
76	90711	F	B	N	N	N	Bolivia	Matt Block	08/01/89
77	90712	M	B	N	N	N	Bolivia	Matt Block	08/01/89
78	90713	F	B	N	N	N	Bolivia	Matt Block	08/01/89
79	90714	F	B	N	N	N	Bolivia	Matt Block	08/01/89
80	90715	M	B	N	N	N	Bolivia	Matt Block	08/01/89
81	90717	F	B	N	N	N	Bolivia	Matt Block	08/01/89
82	90726	F	B	N	N	N	Bolivia	Matt Block	08/01/89
83	90728	M	B	N	N	N	Bolivia	Matt Block	08/01/89
84	90730	F	B	N	N	N	Bolivia	Matt Block	08/01/89
85	90732	F	B	N	N	N	Bolivia	Matt Block	08/01/89
86	90733	F	B	N	N	N	Bolivia	Matt Block	08/01/89
87	90734	F	B	N	N	N	Bolivia	Matt Block	08/01/89
88	90739	F	B	N	N	N	Bolivia	Matt Block	08/01/89
89	90741	F	B	N	N	N	Bolivia	Matt Block	08/01/89
90	90743	F	B	N	N	N	Bolivia	Matt Block	08/01/89
91	90744	F	B	N	N	N	Bolivia	Matt Block	08/01/89
92	90745	M	B	N	N	N	Bolivia	Matt Block	08/01/89
93	90746	F	B	N	N	N	Bolivia	Matt Block	08/01/89
94	90747	F	B	N	N	N	Bolivia	Matt Block	08/01/89
95	90748	M	B	N	N	Y	Bolivia	Matt Block	08/01/89
96	90749	F	B	N	N	N	Bolivia	Matt Block	08/01/89
97	90750	F	B	N	N	N	Bolivia	Matt Block	08/01/89
98	90751	F	B	N	N	N	Bolivia	Matt Block	08/01/89
99	90752	M	B	N	N	N	Bolivia	Matt Block	08/01/89
100	90753	M	B	N	N	N	Bolivia	Matt Block	08/01/89
101	90754	F	B	N	N	N	Bolivia	Matt Block	08/01/89
102	90755	F	B	N	N	N	Bolivia	Matt Block	08/01/89
103	90756	F	B	N	N	N	Bolivia	Matt Block	08/01/89
104	90757	F	B	N	N	N	Bolivia	Matt Block	08/01/89
105	90758	F	B	N	N	N	Bolivia	Matt Block	08/01/89
106	90760	M	B	N	N	N	Bolivia	Matt Block	08/01/89

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Rec.#	ID	SEX	SPECIES	SPLENE.	MALARIA	BREEDER	COUNTRY	ACQ SOURCE	ACQ DATE
107	90761	F	B	N	N	N	Bolivia	Matt Block	08/01/89
108	90762	F	B	N	N	N	Bolivia	Matt Block	08/01/89
109	90765	F	B	N	N	Y	Bolivia	Matt Block	08/01/89
110	90766	F	B	N	N	N	Bolivia	Matt Block	08/01/89
111	90768	M	B	N	N	N	Bolivia	Matt Block	08/01/89
112	90770	F	B	N	N	N	Bolivia	Matt Block	08/01/89
113	90772	F	B	N	N	N	Bolivia	Matt Block	08/01/89
114	90773	F	B	N	N	N	Bolivia	Matt Block	08/01/89
115	90774	M	B	N	N	N	Bolivia	Matt Block	08/01/89
116	90776	F	B	N	N	N	Bolivia	Matt Block	08/01/89
117	90778	F	B	N	N	N	Bolivia	Matt Block	08/01/89
118	90779	F	B	N	N	N	Bolivia	Matt Block	08/01/89
119	90780	F	B	N	N	N	Bolivia	Matt Block	08/01/89
120	90781	F	B	N	N	N	Bolivia	Matt Block	08/01/89
121	90782	F	B	N	N	N	Bolivia	Matt Block	08/01/89
122	90784	M	B	N	N	N	Bolivia	Matt Block	08/01/89
123	90785	F	B	N	N	N	Bolivia	Matt Block	08/01/89
124	90786	F	B	N	N	N	Bolivia	Matt Block	08/01/89
125	90787	F	B	N	N	N	Bolivia	Matt Block	08/01/89
126	90788	F	B	N	N	N	Bolivia	Matt Block	08/01/89
127	90789	F	B	N	N	N	Bolivia	Matt Block	08/01/89
128	90790	F	B	N	N	N	Bolivia	Matt Block	08/01/89
129	90791	F	B	N	N	N	Bolivia	Matt Block	08/01/89
130	90792	F	B	N	N	N	Bolivia	Matt Block	08/01/89
131	90793	F	B	N	N	N	Bolivia	Matt Block	08/01/89
132	90794	F	B	N	N	N	Bolivia	Matt Block	08/01/89
133	90795	F	B	N	N	N	Bolivia	Matt Block	08/01/89
134	90796	M	B	N	N	N	Bolivia	Matt Block	08/01/89
135	90797	F	B	N	N	N	Bolivia	Matt Block	08/01/89
136	90798	M	B	N	N	N	Bolivia	Matt Block	08/01/89
137	90799	F	B	N	N	N	Bolivia	Matt Block	08/01/89
138	90800	M	B	N	N	N	Bolivia	Matt Block	08/01/89
139	90801	F	B	N	N	N	Bolivia	Matt Block	08/01/89
140	90802	F	B	N	N	N	Bolivia	Matt Block	08/01/89
141	90804	F	B	U	N	N	Bolivia	Matt Block	08/01/89
142	90806	M	B	U	N	N	Bolivia	Matt Block	06/29/89
143	90807	M	B	N	N	N	Bolivia	Matt Block	11/03/87
144	90812	M	B	N	N	N	Bolivia	Battelle	12/26/89
145	90815	M	B	N	N	N	Bolivia	Birth	04/15/90
146	90818	F	B	N	N	N	Bolivia	Birth	04/18/90
147	90819	F	B	N	N	N	Bolivia	Birth	04/19/90
148	90820	F	B	N	N	N	Bolivia	Birth	04/20/90
149	90821	F	B	N	Y	N	Bolivia	Birth	04/21/90
150	90823	M	B	N	N	N	Bolivia	Birth	04/23/90
151	90824	M	B	N	N	N	Bolivia	Birth	04/25/90
152	90825	F	B	N	N	N	Bolivia	Birth	04/26/90
153	90828	M	B	N	N	N	Bolivia	Birth	05/01/90
154	90830	M	B	N	N	N	Bolivia	Birth	05/05/90
155	90832	M	B	N	N	N	Bolivia	Birth	05/16/90
156	90835	M	B	N	N	N	Bolivia	Birth	05/23/90
157	90838	F	B	N	N	N	Bolivia	Birth	05/27/90
158	90840	M	B	N	N	N	Bolivia	Birth	05/30/90
159	90843	F	B	N	N	N	Bolivia	Birth	06/04/90

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Rec.#	ID	SEX	SPECIES	SPLENE.	MALARIA	BREEDER	COUNTRY	ACQ SOURCE	ACQ DATE
160	90845	F	B	N	N	N	Bolivia	Birth	06/07/90
161	90846	F	B	N	N	N	Bolivia	Birth	06/10/90
162	90848	M	B	N	N	N	Bolivia	Birth	06/11/90
163	90850	M	B	N	N	N	Bolivia	Birth	06/13/90
164	90851	F	B	N	N	N	Bolivia	Birth	06/15/90
165	90852	M	B	N	N	N	Bolivia		06/15/90
166	90854	F	B	N	N	N	Bolivia		06/15/90
167	90855	F	B	N	N	N	Bolivia	Birth	06/24/90
168	90856	M	B	N	N	N	Bolivia		06/25/90
169	90857	F	B	N	N	N	Bolivia		06/25/90
170	90858	M	B	N	N	N	Bolivia		06/27/90
171	90861	F	B	N	N	N	Bolivia		07/03/90
172	90862	M	B	N	N	N	Bolivia		07/03/90
173	90863	M	B	N	N	N	Bolivia		07/05/90
174	90864	M	B	N	N	N	Bolivia		07/09/90
175	90865	F	B	N	N	N	Bolivia		07/12/90
176	90868	F	B	N	N	N	Bolivia		07/18/90
177	90869	F	B	N	N	N	Bolivia		07/18/90
178	90870	F	B	N	N	N	Bolivia		07/29/90
179	90871	F	B	N	N	N	Bolivia		07/20/90
180	90873	F	B	N	N	N	Bolivia		07/22/90
181	90874	F	B	N	N	N	Bolivia		07/23/90
182	90878	M	B	N	N	N	Bolivia		07/25/90
183	90879	M	B	N	N	N	Bolivia		07/27/90
184	90880	M	B	N	N	N	Bolivia		07/30/90
185	90881	M	B	N	N	N	Bolivia	Birth	08/02/90
186	90883	F	B	N	N	N	Bolivia	Birth	08/08/90
187	90885	M	B	N	N	N	Bolivia	Birth	08/14/90
188	90886	M	B	N	N	N	Bolivia	Birth	08/15/90
189	90888	M	B	N	N	N	Bolivia	Birth	08/31/90
190	90889	M	B	N	N	N	Bolivia	Birth	09/05/90
191	90890	F	B	N	N	N	Bolivia	Birth	09/11/90
192	90891	F	B	N	N	N	Bolivia	Birth	09/12/90
193	90893	F	B	N	N	N	Bolivia	Birth	09/16/90
194	90894	F	B	N	N	N	Bolivia	Birth	09/16/90
195	90895	F	B	N	N	N	Bolivia	Birth	09/16/90
196	90904	M	B	U	Y	N	Bolivia	Matt Block	07/28/87
197	90909	M	B	U	Y	N	Bolivia	Matt Block	07/28/87
198	90919	F	B	U	Y	N	Bolivia	Matt Block	12/24/86
199	90922	M	B	N	Y	U	USA	Birth	06/05/88
200	91001	F	B	N	N	N	Bolivia	Birth	10/01/90
201	91002	M	B	U	U	U	Bolivia	Birth	10/13/90
202	91003	M	B	U	U	U	Bolivia	Birth	10/26/90
203	91004	F	B	U	U	U	Bolivia	Birth	11/01/90
204	91007	F	B	N	N	N	Bolivia	Birth	09/26/91
205	91009	M	B	U	U	U	unknown	Birth	04/22/91
206	91011	F	B	U	U	U	Bolivia	Birth	04/29/91
207	91013	M	B	U	U	U	Bolivia	Birth	05/03/91
208	91014	M	B	U	U	U	Bolivia	Birth	05/06/91
209	91015	M	B	U	U	U	Bolivia	Birth	05/12/91
210	91017	M	B	U	U	U	Bolivia	Birth	05/14/91
211	91019	M	B	U	U	U	Bolivia	Birth	05/17/91
212	91020	M	B	U	U	U	Bolivia	Birth	05/21/91

DEPARTMENT OF COMPARATIVE MEDICINE
 ID Order Listing
 Printed for 06/30/92

Rec.#	ID	SEX	SPECIES	SPLENE.	MALARIA	BREEDER	COUNTRY	ACQ SOURCE	ACQ DATE
213	91021	F	B	U	U	U	Bolivia	Birth	05/21/91
214	91022	F	B	U	U	U	Bolivia	Birth	05/23/91
215	91024	F	B	U	U	U	Bolivia	Birth	05/28/91
216	91025	M	B	U	U	U	Bolivia	Birth	06/01/91
217	91027	F	B	U	U	U	Bolivia	Birth	06/03/91
218	91028	M	B	U	U	U	Bolivia	Birth	06/03/91
219	91029	F	B	U	U	U	Bolivia	Birth	06/04/91
220	91030	M	B	U	U	U	Bolivia	Birth	06/05/91
221	91031	F	B	U	U	U	Bolivia	Birth	06/08/91
222	91033	F	B	U	U	U	Bolivia	Birth	06/12/91
223	91034	M	B	U	U	U	Bolivia	Birth	06/18/91
224	91036	M	B	U	U	U	Bolivia	Birth	06/19/91
225	91038	M	B	U	U	U	Bolivia	Birth	06/21/91
226	91039	M	B	U	U	U	Bolivia	Birth	06/24/91
227	91043	M	B	U	U	U	Bolivia	Birth	06/28/91
228	91046	F	B	U	U	U	Bolivia	Birth	07/05/91
229	91047	M	B	U	U	U	Bolivia	Birth	07/05/91
230	91048	M	B	U	U	U	Bolivia	Birth	07/09/91
231	91049	F	B	U	U	U	Bolivia	Birth	07/15/91
232	91050	M	B	U	U	U	Bolivia	Birth	07/19/91
233	91051	F	B	U	U	U	Bolivia	Birth	07/19/91
234	91052	M	B	U	U	U	Bolivia	Birth	07/22/91
235	91054	F	B	U	U	U	Bolivia	Birth	07/24/91
236	91056	M	B	U	U	U	Bolivia	Birth	08/01/91
237	91057	F	B	U	U	U	Bolivia	Birth	08/02/91
238	91059	M	B	U	U	U	Bolivia	Birth	08/06/91
239	91061	M	B	U	U	U	Bolivia	Birth	08/13/91
240	91063	M	B	U	U	U	Bolivia	Birth	08/13/91
241	91064	F	B	U	U	U	Bolivia	Birth	08/23/91
242	91065	F	B	U	U	U	Bolivia	Birth	08/27/91
243	91068	F	B	N	N	N	Bolivia	Birth	09/19/91
244	91069	F	B	U	U	U	Bolivia	Birth	02/06/92
245	91071	F	B	N	N	Y	Bolivia	Birth	09/09/91
246	91072	M	B	N	N	N	Bolivia	Birth	02/06/92
247	92001	F	B	N	N	Y	USA	Birth	09/18/91
248	92002	F	B	N	N	Y	USA	Birth	09/21/91
249	92004	M	B	N	N	Y	USA	Birth	10/07/91
250	92005	F	B	N	N	Y	USA	Birth	10/21/91
251	92006	M	B	N	N	Y	USA	Birth	10/23/91
252	92008	M	B	N	N	Y	USA	Birth	10/25/91
253	92009	F	B	N	N	Y	USA	Birth	11/01/91
254	92010	F	B	N	N	Y	USA	Birth	02/18/92
255	92011	F	B	N	N	Y	USA	Birth	02/28/92
256	92013	F	B	N	Y	Y	USA	Birth	03/08/92
257	92014	F	B	N	Y	Y	USA	Birth	03/09/92
258	92016	F	B	N	Y	Y	USA	Birth	03/16/92
259	92018	M	B	N	N	N	USA	Birth	03/21/92
260	92020	F	B	N	N	N	USA	Birth	04/09/92
261	92022	F	B	N	N	N	USA	Birth	04/15/92
262	92026	U	B	N	N	N	USA	Birth	05/03/92
263	92027	F	B	N	N	N	USA	Birth	05/16/92
264	92029	M	B	N	N	N	USA	Birth	05/31/92
265	92035	F	B	N	N	N	USA	Birth	07/07/92

DEPARTMENT OF COMPARATIVE MEDICINE
ID Order Listing
Printed for 06/30/92

Rec.#	ID	SEX	SPECIES	SPLENE.	MALARIA	BREEDER	COUNTRY	ACQ SOURCE	ACQ DATE
266	92039	F	B	N	N	N	USA	Birth	07/10/92
267	92040	F	B	N	N	N	USA	Birth	07/10/92
268	92042	M	B	N	N	N	USA	Birth	07/12/92
269	92043	M	B	N	N	N	USA	Birth	07/12/92
270	92045	M	B	N	N	N	USA	Birth	07/13/92
271	92046	F	B	N	N	N	USA	Birth	07/14/92
272	92047	M	B	N	N	N	USA	Birth	07/14/92
273	92048	M	B	N	N	N	USA	Birth	07/14/92
274	92050	F	B	N	N	N	USA	Birth	07/15/92
275	92051	F	B	N	N	N	USA	Birth	07/20/92

Primate Research Laboratory
Age/Sex Census Report
AID Squirrel Monkeys

07/24/92

Species	Sex	Infants (0-6mn)	Yearlings (6mn-2yr)	Juveniles (2yr-3yr)	Adults (4+yr)
Saimiri bol. bol.	Female:	14	31	25	106
	Male :	8	36	22	33
	Totals:	22	67	47	139

11

DEPARTMENT OF COMPARATIVE MEDICINE
 ID Order Listing
 Printed for 06/30/92

Rec.#	ID	SEX	SPECIES	SPLENE.	MALARIA	BREEDER	COUNTRY	ACQ SOURCE	ACQ DATE
1	80001	U	5	U	U	U	Peru	Iquitos	12/28/82
2	80010	M	2	U	N	U	Colombia	UNM	12/28/82
3	80042	F	2	U	N	U	Colombia	UNM	12/27/82
4	80107	F	2	U	N	U	Colombia		05/08/83
5	80120	M	3	U	Y	Y	Colombia	UNM	12/27/82
6	80128	M	3	U	N	U	Colombia	UNM	12/27/82
7	80129	F	3	U	N	U	Colombia	UNM	12/27/82
8	80138	F	2	U	N	U	Colombia	UNM	12/27/82
9	80139	M	2	U	N	U	Colombia	UNM	12/27/82
10	80171	F	2	U	N	U	Colombia		05/03/85
11	80183	F	1	U	N	U	Peru	Peru	07/15/85
12	80184	F	1	U	N	Y	Peru	Peru	07/15/85
13	80190	F	1	U	N	U	Peru	Peru	07/15/85
14	80193	F	1	U	N	U	Peru	Peru	07/15/85
15	80195	M	1	N	N	U	Peru	Peru	07/15/85
16	80305	M	2	N	Y	U	Colombia		03/09/78
17	80308	F	3	N	Y	U	Colombia	South America	05/01/80
18	80309	F	2	N	Y	U	Colombia	South America	11/04/81
19	80311	F	3	N	N	Y	Colombia	South America	11/04/81
20	80313	F	2	N	Y	U	Colombia	South America	11/04/81
21	80315	M	3	N	N	U	Colombia		12/08/78
22	80317	M	2	Y	Y	U	Colombia		01/04/79
23	80321	F	3	N	N	U	Colombia		03/23/80
24	80323	F	2	N	N	U	Colombia		11/10/80
25	80325	M	2	N	N	U	Colombia		12/29/80
26	80327	F	2	N	N	U	Colombia		05/24/81
27	80330	F	3	N	Y	U	Colombia		05/04/84
28	80331	M	3	U	Y	U	Colombia		05/01/85
29	80332	F	3	U	Y	U	Colombia		08/13/85
30	80353	M	3	N	Y	Y	Colombia	South America	08/13/78
31	80362	M	2	N	Y	U	Colombia	South America	07/28/81
32	80364	M	3	N	Y	U	Colombia	South America	07/28/81
33	80367	F	3	N	Y	U	Colombia	South America	07/28/81
34	80371	F	2	N	N	U	Colombia	Agouron	04/26/89
35	80372	F	3	N	N	U	Colombia	Agouron	11/13/89
36	80379	M	2	U	N	U	Colombia	Colombia	02/14/78
37	80387	M	3	U	N	U	Colombia	Colombia	02/14/78
38	80389	F	2	U	N	U	Colombia	Colombia	02/14/78
39	80392	F	3	U	N	U	Colombia	Colombia	02/14/78
40	80414	M	2	U	N	U	Colombia		04/29/85
41	80417	M	2	U	N	U	Colombia		02/03/86
42	80421	M	3	U	N	U	Colombia		01/03/87
43	80424	F	3	N	N	U	Colombia	Agouron	01/10/89
44	80464	M	1	U	N	U	Peru	Peru	07/15/85
45	80475	M	2	U	N	U	Colombia		12/16/85
46	80490	M	2	U	N	U	Colombia		08/17/86
47	80652	M	1	U	N	Y	Peru	Iquitos	01/29/87
48	80665	M	1	U	N	U	Peru	Iquitos	01/29/87
49	80668	M	1	U	N	U	Peru	Iquitos	01/29/87
50	80669	M	1	U	N	Y	Peru	Iquitos	01/29/87
51	80670	M	1	U	N	Y	Peru	Iquitos	01/29/87
52	80672	F	1	U	N	U	Peru	Iquitos	01/29/87
53	80673	F	1	U	N	U	Peru	Iquitos	01/29/87

DEPARTMENT OF COMPARATIVE MEDICINE
 ID Order Listing
 Printed for 06/30/92

Rec.#	ID	SEX	SPECIES	SPLENE.	MALARIA	BREEDER	COUNTRY	ACQ SOURCE	ACQ DATE
54	80680	F	1	U	N	U	Peru	Iquitos	01/29/87
55	80682	M	1	U	N	U	Peru	Iquitos	01/29/87
56	80684	M	1	U	N	U	Peru	Iquitos	01/29/87
57	80687	M	1	N	N	U	Peru	Iquitos	01/29/87
58	80691	F	1	U	N	U	Peru	Iquitos	01/29/87
59	80694	F	1	U	N	U	Peru	Iquitos	01/29/87
60	80703	M	1	U	N	U	Peru	Iquitos	02/10/87
61	80704	K	10	U	N	U	Peru	Iquitos	02/10/87
62	80705	M	5	U	N	U	Peru	Iquitos	02/10/87
63	80706	M	5	U	N	U	Peru	Iquitos	02/10/87
64	80710	M	5	U	N	U	Peru	Iquitos	02/10/87
65	80712	F	1	U	N	U	Peru	Iquitos	02/10/87
66	80715	M	1	U	N	Y	Peru	Iquitos	02/10/87
67	80717	M	1	U	N	U	Peru	Iquitos	02/10/87
68	80720	M	1	U	N	U	Peru	Iquitos	02/10/87
69	80721	F	1	U	N	U	Peru	Iquitos	02/10/87
70	80722	M	1	U	N	U	Peru	Iquitos	02/10/87
71	80723	M	1	U	N	U	Peru	Iquitos	02/10/87
72	80724	F	1	U	N	U	Peru	Iquitos	02/10/87
73	80728	M	1	U	N	U	Peru	Iquitos	02/10/87
74	80731	M	1	U	N	U	Peru	Iquitos	02/10/87
75	80732	M	5	U	N	U	Peru	Iquitos	02/10/87
76	80734	F	1	U	N	U	Peru	Iquitos	02/10/87
77	80735	M	1	U	N	U	Peru	Iquitos	02/10/87
78	80738	F	1	U	N	U	Peru	Iquitos	02/10/87
79	80739	M	1	U	N	U	Peru	Iquitos	02/10/87
80	80743	F	1	U	N	U	Peru	Iquitos	02/10/87
81	80747	F	1	U	N	U	Peru	Iquitos	02/10/87
82	80754	M	1	N	N	U	Peru	Iquitos	05/26/87
83	80773	F	1	N	N	Y	Peru	Iquitos	05/26/87
84	80815	F	1	N	N	U	Peru	Biomatrix	06/09/87
85	80818	M	1	U	N	U	Peru	Iquitos	07/09/87
86	80861	F	1	U	N	Y	Peru	Iquitos	08/18/87
87	80867	F	1	U	N	U	Peru	Iquitos	08/18/87
88	80876	M	1	U	N	Y	Peru	Iquitos	08/18/87
89	80883	F	1	U	N	U	Peru	Iquitos	08/18/87
90	80890	M	1	U	N	Y	Peru	Iquitos	08/18/87
91	80891	F	1	U	N	Y	Peru	Iquitos	08/18/87
92	80901	F	1	U	N	U	Peru	Iquitos	08/18/87
93	80912	F	1	U	N	U	Peru	Iquitos	08/19/87
94	80915	F	1	U	N	U	Peru	Iquitos	08/19/87
95	80930	M	1	U	N	Y	Peru	Iquitos	08/19/87
96	80931	F	1	U	N	Y	Peru	Iquitos	08/19/87
97	80932	F	1	U	N	U	Peru	Iquitos	08/19/87
98	80933	F	1	U	N	U	Peru	Iquitos	08/19/87
99	80940	F	1	U	N	U	Peru	Iquitos	08/19/87
100	80965	F	2	U	N	U	Colombia	Pri Services	03/04/88
101	80967	M	1	U	N	U	Peru	Iquitos	03/04/88
102	80981	F	1	U	N	U	Peru	Iquitos	03/04/88
103	80983	M	1	U	N	U	Peru	Iquitos	03/04/88
104	81002	F	1	U	N	U	Peru	Iquitos	03/04/88
105	81004	F	1	U	N	Y	Peru	Iquitos	03/04/88
106	81010	F	1	U	N	U	Peru	Iquitos	03/04/88

(1)

DEPARTMENT OF COMPARATIVE MEDICINE
 ID Order Listing
 Printed for 06/30/92

Rec.#	ID	SEX	SPECIES	SPLENE.	MALARIA	BREEDER	COUNTRY	ACQ SOURCE	ACQ DATE
107	81016	M	1	U	N	U	Peru	Iquitos	03/04/88
108	81019	M	1	U	N	Y	Peru	Iquitos	03/04/88
109	81024	M	1	U	N	U	Peru	Iquitos	03/04/88
110	81026	F	1	U	N	Y	Peru	Iquitos	03/04/88
111	81034	F	1	U	N	U	Peru	Iquitos	04/13/88
112	81044	M	1	U	N	U	Peru	Iquitos	04/13/88
113	81052	M	1	U	N	Y	Peru	Iquitos	04/13/88
114	81067	F	1	U	N	U	Peru	Iquitos	04/13/88
115	81081	F	1	U	N	Y	Peru	Iquitos	05/18/88
116	81101	F	1	U	N	U	Peru	Iquitos	05/18/88
117	81104	M	1	U	N	U	Peru	Iquitos	05/18/88
118	81112	M	1	U	N	Y	Peru	Iquitos	05/18/88
119	81113	F	1	U	N	Y	Peru	Iquitos	05/18/88
120	81114	M	1	U	N	U	Peru	Iquitos	05/18/88
121	81117	M	1	U	N	Y	Peru	Iquitos	05/18/88
122	81123	M	1	U	N	U	Peru	Iquitos	05/18/88
123	81125	M	1	U	N	Y	Peru	Iquitos	05/18/88
124	81126	F	1	U	N	U	Peru	Iquitos	05/18/88
125	81127	F	1	U	N	Y	Peru	Iquitos	05/18/88
126	81128	M	1	U	N	U	Peru	Iquitos	05/18/88
127	81138	F	1	U	N	U	Peru	Iquitos	05/25/88
128	81140	M	1	N	N	N	Peru	Iquitos	05/25/88
129	81156	F	1	U	N	U	Peru	Iquitos	05/25/88
130	81157	M	1	U	N	U	Peru	Iquitos	05/25/88
131	81158	F	1	U	N	U	Peru	Iquitos	05/25/88
132	81159	M	1	U	N	U	Peru	Iquitos	05/25/88
133	81160	F	1	U	N	U	Peru	Iquitos	05/25/88
134	81169	M	1	U	N	U	Peru	Iquitos	05/25/88
135	81194	M	2	U	N	U		Battelle	10/19/88
136	81219	M	1	U	N	U	Peru	Battelle	01/25/89
137	81235	M	99	U	N	U		Battelle	04/11/89
138	81242	M	4	U	N	U	Colombia	Battelle	05/03/89
139	81261	F	3	U	N	U	Colombia	Battelle	05/25/89
140	81262	F	2	U	N	U	Colombia	Battelle	05/31/89
141	81269	M	3	U	N	U	Colombia	Battelle	06/07/89
142	81277	F	1	U	N	U	Peru	Battelle	07/04/89
143	81279	M	1	U	N	U	Peru	Battelle	07/10/89
144	81285	F	1	U	N	U	Peru	Battelle	07/22/89
145	81288	M	1	U	N	U	Peru	Battelle	07/30/89
146	81295	F	1	U	N	U	Peru	Battelle	08/26/89
147	81298	F	1	U	N	U	Peru	Battelle	08/31/89
148	81299	F	1	U	N	U	Peru	Battelle	09/03/89
149	81301	M	1	U	N	U	Peru	Battelle	09/06/89
150	81307	F	1	U	N	U	Peru	Battelle	09/26/89
151	81312	M	1	U	N	U	Peru	Battelle	10/11/89
152	81313	F	1	U	N	U	Peru	Battelle	10/12/89
153	81314	M	1	U	N	U	Peru	Battelle	10/15/89
154	81315	M	1	U	N	U	Peru	Battelle	10/18/89
155	81324	M	5	U	N	U	Peru	Iquitos	10/25/89
156	81327	M	5	U	N	P	Peru	Iquitos	10/25/89
157	81328	M	5	U	N	U	Peru	Iquitos	10/25/89
158	81331	F	5	U	N	U	Peru	Iquitos	10/25/89
159	81332	F	5	U	N	U	Peru	Iquitos	10/25/89

DEPARTMENT OF COMPARATIVE MEDICINE
 ID Order Listing
 Printed for 06/30/92

Rec.#	ID	SEX	SPECIES	SPLENE.	MALARIA	BREEDER	COUNTRY	ACQ SOURCE	ACQ DATE
160	81333	F	5	U	N	U	Peru	Iquitos	10/25/89
161	81338	F	5	U	N	U	Peru	Iquitos	10/25/89
162	81339	M	5	U	N	U	Peru	Iquitos	10/25/89
163	81340	M	5	U	N	U	Peru	Iquitos	10/25/89
164	81341	F	5	U	N	U	Peru	Iquitos	10/25/89
165	81346	F	5	U	N	U	Peru	Iquitos	10/25/89
166	81349	M	5	U	N	U	Peru	Iquitos	10/25/89
167	81354	M	3	U	N	U	Colombia	Battelle	10/25/89
168	81355	M	1	U	N	U	Peru	Battelle	10/29/89
169	81358	F	1	U	N	U	Peru	Battelle	11/01/89
170	81362	M	1	U	N	U	Peru	Battelle	11/20/89
171	81364	F	1	U	N	U	Peru	Battelle	11/21/89
172	81366	F	1	N	N	N	Peru	Birth	11/27/89
173	81368	M	1	U	N	U	Peru	Battelle	11/29/89
174	81369	M	1	U	N	U	Peru	Battelle	12/11/89
175	81370	F	1	U	N	U	Peru	Battelle	12/11/89
176	81373	M	3	U	N	U	Colombia	Battelle	12/11/89
177	81376	M	1	U	N	U	Peru	Battelle	12/21/89
178	81379	F	1	N	N	N	Peru	Battelle	01/02/90
179	81407	F	1	N	N	N	Peru	Battelle	02/01/90
180	81410	F	0	N	N	N	unknown	Birth	02/10/90
181	81418	M	1	N	N	N	Peru	Battelle	03/05/90
182	81423	M	1	N	N	N	Peru	Birth	03/15/90
183	81432	F	1	N	N	N	Peru	Birth	04/07/90
184	81438	M	1	N	N	N	Peru	Birth	05/04/90
185	81440	M	1	N	N	N	Peru	Birth	05/07/90
186	81442	M	1	N	N	N	Peru	Birth	05/13/90
187	81463	F	1	N	N	N	Peru	Birth	06/27/90
188	81506	F	1	N	N	N	Peru	Birth	12/11/90
189	81507	M	1	N	N	N	Peru	Birth	12/17/90
190	81510	F	1	N	N	N	Peru	Birth	12/30/90
191	81511	F	1	N	N	N	Peru	Birth	12/31/90
192	81512	F	3	N	N	N	Colombia	Birth	01/05/91
193	81513	M	1	N	N	N	Peru	Birth	01/09/91
194	81514	F	1	N	N	N	Peru	Birth	01/09/91
195	81515	M	1	N	N	N	Peru	Birth	01/09/91
196	81516	M	1	U	N	U	Peru	Battelle	01/09/91
197	81518	F	1	N	N	N	Peru	Birth	10/14/91
198	81520	F	1	N	N	N	Peru	Birth	01/24/91
199	81527	M	3	N	N	N	Colombia	Birth	07/14/90
200	81528	F	0	N	N	N	Peru	Birth	07/17/90
201	81530	F	1	N	N	N	Peru	Birth	07/30/90
202	81532	M	1	N	N	N	Peru	Birth	08/02/90
203	81534	M	1	N	N	N	Peru	Birth	08/13/90
204	81535	F	1	N	N	N	Peru	Birth	08/13/90
205	81542	F	1	N	N	N	Peru	Birth	09/06/90
206	81543	F	1	N	N	N	Peru	Birth	09/12/90
207	81545	F	1	N	N	N	Peru	Birth	09/17/90
208	81546	M	1	N	N	N	Peru	Birth	09/18/90
209	81549	M	1	N	N	N	Peru	Birth	09/28/90
210	81555	M	1	N	N	N	Peru	Birth	10/29/90
211	81558	M	1	N	N	N	Peru	Birth	11/19/90
212	81560	F	3	N	N	N	Colombia	Birth	11/26/90

DEPARTMENT OF COMPARATIVE MEDICINE
 ID Order Listing
 Printed for 06/30/92

Rec.#	ID	SEX	SPECIES	SPLENE.	MALARIA	BREEDER	COUNTRY	ACQ SOURCE	ACQ DATE
213	81563	F	1	N	N	N	Peru	Birth	11/28/90
214	81567	M	1	U	U	U	Peru	Birth	02/14/91
215	81570	M	2	N	N	N	Colombia	Birth	02/20/91
216	81571	M	1	N	N	N	Peru	Birth	02/22/91
217	81578	F	5	U	U	U	Peru		04/11/91
218	81579	M	1	U	U	U	Peru		04/14/91
219	81582	F	1	U	U	U	Peru		04/22/91
220	81583	M	2	U	U	U	Colombia		04/25/91
221	81586	F	1	U	U	U	Peru	Birth	05/03/91
222	81588	M	1	U	U	U	Peru	Birth	05/08/91
223	81589	M	2	U	U	U	Colombia	Birth	05/13/91
224	81591	M	3	U	U	U	Colombia	Birth	05/29/91
225	81592	F	1	U	U	U	Peru	Birth	06/01/91
226	81593	F	5	U	U	U	Peru	Birth	06/03/91
227	81597	M	1	U	U	U	Peru	Birth	06/12/91
228	81599	M	1	U	U	U	Peru	Birth	06/17/91
229	81600	F	1	U	U	U	Peru	Birth	06/26/91
230	81605	F	1	U	U	U	Peru	Birth	07/05/91
231	81607	F	1	U	U	U	Peru	Birth	07/12/91
232	81608	F	1	U	U	U	Peru	Birth	07/14/91
233	81609	F	3	U	U	U	Colombia	Birth	07/17/91
234	81610	F	1	U	U	U	Peru	Birth	07/18/91
235	81611	F	1	U	U	U	Peru	Birth	07/23/91
236	81615	M	1	U	U	U	Peru	Birth	08/20/91
237	81618	M	1	U	U	U	Peru	Birth	08/22/91
238	81621	F	1	N	N	Y	? Country ?		09/07/91
239	81622	M	1	N	N	Y	? Country ?		09/07/91
240	81624	F	1	N	N	Y	? Country ?		09/12/91
241	81625	M	1	N	N	N	? Country ?	USA	09/30/91
242	81632	M	1	N	N	Y	? Country ?		10/07/91
243	81633	M	1	N	N	Y	? Country ?		10/07/91
244	81634	F	1	N	N	Y	? Country ?		10/09/91
245	82001	F	1	N	N	N	USA	Birth	10/02/91
246	82002	M	1	N	N	Y	USA	Birth	10/08/91
247	82007	M	1	N	Y	Y	USA	Birth	10/22/91
248	82009	F	1	N	Y	Y	USA	Birth	11/09/91
249	82013	M	3	N	N	Y	USA	Birth	02/26/92
250	82016	M	2	N	N	N	USA	Birth	03/16/92
251	82017	M	1	N	N	N	USA	Birth	03/18/92
252	82019	M	1	N	N	N	USA	Birth	04/03/92
253	82023	U	1	N	N	N	USA	Birth	04/21/92
254	82026	U	1	N	N	N	USA	Birth	05/15/92
255	82027	U	1	N	N	N	USA	Birth	05/18/92
256	82033	U	2	N	N	N	USA	Birth	07/08/92
257	82193	M	5	N	N	N	Peru	Iquitos	03/31/92
258	82360	M	5	N	N	N	Peru	Iquitos	03/31/92
259	82392	M	5	N	N	N	Peru	Iquitos	03/31/92
260	82393	F	5	N	N	N	Peru	Iquitos	07/09/92
261	82394	F	5	N	N	N	Peru	Iquitos	03/31/92
262	82395	M	5	N	N	N	Peru	Iquitos	03/31/92
263	82396	M	5	N	N	N	Peru	Iquitos	03/31/92
264	82397	M	5	N	N	N	Peru	Iquitos	03/31/92
265	82398	M	5	N	N	N	Peru	Iquitos	03/31/92

DEPARTMENT OF COMPARATIVE MEDICINE
 ID Order Listing
 Printed for 06/30/92

Rec.#	ID	SEX	SPECIES	SPLENE.	MALARIA	BREEDER	COUNTRY	ACQ SOURCE	ACQ DATE
266	82399	M	5	N	N	N	Peru	Iquitos	03/31/92
267	82400	F	5	N	N	N	Peru	Iquitos	03/31/92
268	82401	F	5	N	N	N	Peru	Iquitos	03/31/92
269	82402	M	5	N	N	N	Peru	Iquitos	03/31/92
270	82403	F	5	N	N	N	Peru	Iquitos	03/31/92
271	82404	F	5	N	N	N	Peru	Iquitos	03/31/92
272	82405	F	5	N	N	N	Peru	Iquitos	03/31/92
273	82407	F	5	N	N	N	Peru	Iquitos	03/31/92
274	82416	F	5	N	N	N	Peru	Iquitos	07/09/92
275	82417	F	5	N	N	N	Peru	Iquitos	03/31/92
276	82420	F	5	N	N	N	Peru	Iquitos	03/31/92
277	82421	M	5	N	N	N	Peru	Iquitos	03/31/92
278	82424	M	5	N	N	N	Peru	Iquitos	03/31/92
279	82425	M	5	N	N	N	Peru	Iquitos	03/31/92
280	82427	M	5	N	N	N	Peru	Iquitos	03/31/92
281	82428	M	5	N	N	N	Peru	Iquitos	03/31/92
282	82429	F	5	N	N	N	Peru	Iquitos	03/31/92
283	82430	F	5	N	N	N	Peru	Iquitos	03/31/92
284	82431	M	5	N	N	N	Peru	Iquitos	03/31/92
285	82432	M	5	N	N	N	Peru	Iquitos	03/31/92
286	82437	F	5	N	N	N	Peru	Iquitos	03/31/92
287	82441	F	5	N	N	N	Peru	Iquitos	03/31/92
288	82453	M	5	N	N	N	Peru	Iquitos	03/31/92
289	82454	F	5	N	N	N	Peru	Iquitos	03/31/92
290	82455	M	5	N	N	N	Peru	Iquitos	03/31/92
291	84002	F	2	U	N	Y	ENGLAND	WELCOME	10/03/88
292	84003	F	2	N	N	Y	ENGLAND	WELCOME	07/20/90
293	84004	F	2	N	N	Y	ENGLAND	WELCOME	04/08/91
294	84005	M	2	N	N	Y	ENGLAND	WELCOME	01/24/92
295	84006	F	2	N	N	Y	ENGLAND	WELCOME	01/24/92
296	84008	M	2	N	N	Y	ENGLAND	WELCOME	01/24/92
297	84009	F	2	N	N	Y	ENGLAND	WELCOME	01/24/92
298	84010	M	2	N	N	Y	ENGLAND	WELCOME	01/24/92
299	84011	F	2	N	N	Y	ENGLAND	WELCOME	01/24/92
300	84012	M	2	N	N	Y	ENGLAND	WELCOME	06/02/90
301	84013	M	2	N	N	Y	ENGLAND	WELCOME	02/07/91
302	84014	M	2	N	N	Y	ENGLAND	WELCOME	01/24/92
303	84015	F	2	N	N	Y	ENGLAND	WELCOME	01/24/92
304	84016	M	2	N	N	Y	ENGLAND	WELCOME	06/01/89
305	84017	M	2	N	N	Y	ENGLAND	WELCOME	04/06/90
306	84018	F	2	N	N	Y	ENGLAND	WELCOME	01/12/92
307	84019	M	2	N	N	Y	ENGLAND	WELCOME	01/24/92
308	84020	F	2	N	N	Y	ENGLAND	WELCOME	01/24/92
309	84021	F	2	N	N	Y	ENGLAND	WELCOME	01/06/91
310	84022	F	2	N	N	Y	ENGLAND	WELCOME	01/24/92
311	84023	M	2	N	N	Y	ENGLAND	WELCOME	01/08/88
312	84024	M	2	N	N	Y	ENGLAND	WELCOME	10/14/89
313	84025	M	2	N	N	Y	ENGLAND	WELCOME	01/24/92
314	84026	F	2	N	N	Y	ENGLAND	WELCOME	11/02/86
315	84027	F	2	N	N	Y	ENGLAND	WELCOME	01/24/92
316	84028	M	2	N	N	Y	ENGLAND	WELCOME	09/09/89
317	84029	M	2	N	N	Y	ENGLAND	WELCOME	09/13/90
318	84030	M	2	N	N	Y	ENGLAND	WELCOME	01/24/92

17

DEPARTMENT OF COMPARATIVE MEDICINE
 ID Order Listing
 Printed for 06/30/92

Rec.#	ID	SEX	SPECIES	SPLENE.	MALARIA	BREEDER	COUNTRY	ACQ SOURCE	ACQ DATE
319	84031	F	2	N	N	Y	ENGLAND	WELCOME	01/24/92
320	84033	M	2	N	N	Y	ENGLAND	WELCOME	04/26/89
321	84034	M	2	N	N	Y	ENGLAND	WELCOME	01/22/90
322	84035	F	2	N	N	Y	ENGLAND	WELCOME	09/21/91
323	84037	F	2	N	N	Y	ENGLAND	WELCOME	01/24/92
324	84038	M	2	N	N	Y	ENGLAND	WELCOME	03/24/90
325	84039	M	2	N	N	Y	ENGLAND	WELCOME	05/11/89
326	84040	M	2	N	N	Y	ENGLAND	WELCOME	01/28/91
327	84041	M	2	N	N	Y	ENGLAND	WELCOME	01/24/92
328	84042	F	2	N	N	Y	ENGLAND	WELCOME	08/04/88
329	84043	M	2	N	N	Y	ENGLAND	WELCOME	01/24/92
330	84045	M	2	N	N	Y	ENGLAND	WELCOME	12/14/90
331	84046	F	2	N	N	Y	ENGLAND	WELCOME	08/12/91
332	84047	M	2	N	N	Y	ENGLAND	WELCOME	01/24/92
333	84049	F	2	N	N	Y	ENGLAND	WELCOME	07/24/90
334	84050	F	2	N	N	Y	ENGLAND	WELCOME	03/23/91
335	84051	F	2	N	N	Y	ENGLAND	WELCOME	10/05/91
336	84052	M	2	N	N	Y	ENGLAND	WELCOME	01/24/92
337	84053	F	2	N	N	Y	ENGLAND	WELCOME	01/24/92
338	84054	M	2	N	N	Y	ENGLAND	WELCOME	06/24/89
339	84055	M	2	N	N	Y	ENGLAND	WELCOME	01/24/92
340	84056	F	2	N	N	Y	ENGLAND	WELCOME	01/24/92
341	84057	F	2	N	N	Y	ENGLAND	WELCOME	11/17/87
342	84058	M	2	N	N	Y	ENGLAND	WELCOME	03/08/89
343	84059	M	2	N	N	Y	ENGLAND	WELCOME	01/24/92
344	84060	F	2	N	N	Y	ENGLAND	WELCOME	01/24/92
345	84061	F	2	N	N	Y	ENGLAND	WELCOME	08/08/90
346	84062	F	2	N	N	Y	ENGLAND	WELCOME	08/21/91
347	84063	M	2	N	N	Y	ENGLAND	WELCOME	01/24/92
348	84064	F	2	N	N	Y	ENGLAND	WELCOME	01/24/92
349	84065	F	2	N	N	Y	ENGLAND	WELCOME	06/12/88
350	84066	M	2	N	N	Y	ENGLAND	WELCOME	12/20/90
351	84067	F	2	N	N	Y	ENGLAND	WELCOME	07/28/91
352	84176	M	5	N	N	N	Peru	Iquitos	03/31/92
353	84301	F	5	N	N	N	Peru	Iquitos	03/31/92
354	84396	F	5	N	N	N	Peru	Iquitos	03/31/92
355	84865	F	5	N	N	N	Peru	Iquitos	03/31/92
356	84964	M	5	N	N	N	Peru	Iquitos	03/31/92

Primate Research Laboratory
 Age/Sex Census Report
 AID Owl Monkeys

07/24/92

Species	Sex	Infants (0-6mn)	Yearlings (6mn-2yr)	Juveniles (2yr-3yr)	Adults (4+yr)
nancymai(1)	Female:		25	15	46
	Male :	5	25	16	43
griseimembra(2)	Female:			2	10
	Male :	2	3	1	11
griseimembra(3)	Female:		3	3	8
	Male :	1	1	4	8
griseimembra(4)	Female:				
	Male :			1	
vociferans(5)	Female:		2		25
	Male :				31
unknown(99)	Female:		10	6	16
	Male :		5	12	16
Totals:		8	74	60	214

DEPARTMENT OF COMPARATIVE MEDICINE
 Primate Research Laboratory
 Necropsy Report
 AID Squirrel Monkeys

07/15/92

NECROPSY ID	DEATH DATE	AGE_CLASS	SEX	SPECIES	SOURCE	DATE RECEIVED	LOG#
90731	02/19/92	02/19/92	ADULT	M	B	BATTELLE	08/01/89 22PL92
<p>Acute fulminating bacterial pneumonia confirmed by cytologic examination. NOTE: Impression smears were made of the lung. A culture was taken from the trachea. The following tissues were frozen: liver (2 tubes), spleen, kidney (2 tubes), eye, pituitary, testis (2 tubes).</p>							
90246	02/27/92	02/27/92	ADULT	M	B	BATTELLE	04/07/86 26PL92
<p>Severe anemia probably due to acute blood loss. NOTE: Culture was made of heart blood for microbiology. Impression smears were made of the bone marrow, liver, and blood. Cytology Impression smears of the liver revealed numerous neutrophils and immature red blood cells in clumps, suggestive of extramedullary hematopoiesis. Normal maturation sequences were observed in the bone marrow. The myeloid to erythroid ration was 1 to 1.1</p>							
90902	03/03/92	03/03/92	ADULT	F	B	BATTELLE	10/12/87 27PL92
<p>Fibrinopurulent pleuritis, pericarditis, and pneumonia. Tail trauma. NOTE: Pictures were taken of the lungs both in the thorax and removed. The surface of the lung and the thoracic effusion were cultured for microbiology. The effusion was stained for cytologic and bacterial examination. Cytology of Pleural Effusion This is a purulent exudate with numerous gram positive diplococci.</p>							
90001	03/11/92	03/11/92	ADULT	M	B	BATTELLE	11/03/87 31PL92
<p>Septicemia, cellulitis, renal papillary necrosis. NOTE: The area of cellulitis and the lesion at the base of the tongue were both cultured for microbiology.</p>							
92015	03/11/92	03/11/92	INFANT	F	B	USA	03/10/92 32PL92
<p>Euthanasia. Skull fracture.</p>							
92017	03/19/92	03/19/92	INFANT	M	B	USA	03/18/92 36PL92
<p>Neonatal death, cause is undetermined, but may be connected to poor lactation of the dam. Red discoloration of the skin is due to prolonged exposure to the floor which is sanitized with Reserve. NOTE: Liver and heart blood is cultured for microbiology.</p>							
92021	04/15/92	04/15/92	INFANT	M	B	USA	04/12/92 44PL92
<p>Euthanasia, jaundice, thrombosis of tail veins.</p>							
92023	04/16/92	04/16/92	STILLBIR	M	B	USA	45PL92
<p>Stillbirth, premature infant, late stage 3.</p>							
92024	04/23/92	04/23/92	FETUS	M	B	USA	54PL92
<p>Abortion, early stage 2, c-section.</p>							
90901	05/03/92	05/03/92	ADULT	F	B	BATTELLE	10/12/87 61PL92
<p>The most likely cause of death in this animal is pneumonia, however, the fact that this was more pronounced in one lung suggest that this may have been a terminal event. None of the other lesions were grossly pronounced enough to point to them as the primary cause of this animal's death.</p>							
92025	05/05/92	05/05/92	INFANT	F	B	USA	05/05/92 63PL92
<p>Severe abdominal trauma resulting in evisceration.</p>							

20

90625 05/14/92 05/14/92 ADULT F B BATTELLE 10/12/87 72PL92
Shock secondary to blood loss due to tail trauma.

90255 05/21/92 05/21/92 ADULT F B BATTELLE 04/07/86 79PL92
Shock secondary to blood loss from tail trauma.

92028 05/21/92 05/21/92 FETUS M B USA 05/21/92 79B92
Intrauterine death, late stage 3.

90468 05/31/92 05/31/92 ADULT M B BATTELLE 04/14/87 96PL92
Pneumonia, bronchial, moderate/severe, caudal lobes.

90238 06/10/92 06/10/92 ADULT M B BATTELLE 04/07/86 111PL92
Open, however, the enlarged hemorrhagic adrenal glands are suggestive of pronounced stress, and the wet heavy lungs may be due to either acute pulmonary edema or a peracute infectious process.

92012 06/18/92 06/18/92 INFANT F B USA 02/29/92 118PL92
Pneumonia, trauma to the chin.

90152 06/27/92 06/27/92 ADULT M O CDC 04/07/86 128PL92
Acute gastric dilation, adrenal hemorrhage.

90133 06/29/92 06/28/92 ADULT F B BATTELLE 04/07/86 129A92
Dystocia, shock, cannibalized.

92031 06/29/92 06/28/92 FETUS F B USA 06/28/92 129B92
In utero death due to dystocia.

21

Necropsy Screen

[756]

ID : < 92031 > Death Date: 06/28/92
Necropsy Date: < 06/29/92 > Sex: F

BAH Destination: NECROPSIED
Age Class: FETUS

Necropsy#: < 129B92 >

Time: 1415 Prosector: SVG

Weights:	
Body:	83
Liver:	0.00
Spleen:	0.0000
Lung:	0.0000
Brain:	0.0000
Heart:	0.0000
Left Kidney:	0.0000
Right Kidney:	0.0000
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	28.70
Bipar. Diam.:	0.00
Arm:	0.00
Femur:	32.49
Tail:	0.00

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: ()

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	N
Skin:	A
Ab. Viscera:	N
Th. Viserca:	A
Subq Fat:	A

Abdomen:	
Spleen:	
Liver:	
Pancreas:	

Urinary:	
Adrenal:	
Kidney:	
Ureters:	
Bladder:	

Gasto-Int.:	
Mouth:	
Tongue:	
Rectum:	
Stomach:	
Esophagus:	
Small Int.:	
Colon:	
Cecum:	
Anus:	

Gross Pathology Screen 2:

Male:	
Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:	
Larynx:	
Trachea:	
Thyroids:	
Bronchi:	
Pleura:	
Lungs:	

Coronary:	
Pericardium:	
Epicardium:	
Myocardium:	
Arteries:	
Vessels:	
Aorta:	
Venacava:	
Peri. Sac:	

Lymph Node:	
Peripheral:	
Mesenteric:	
Thoracic:	

Muscle:	
Muscles:	
Bones:	
Joints:	

Brain:	
Meninges:	
Greymatter:	
Pituitary:	
Brain:	

CLINICAL ABSTRACT:

This fetus and its mother died, probably as a result of dystocia, late in the evening of 06/28/92.

ABNORMALITIES:

The fetus is in the vertex position in the uterus. The fetus is tightly coiled. The tail extends back over the ventrum of the fetus, back over the shoulder, and down into the vaginal area of the mother. The back of the head is engaged with the cervix and the pelvis, and there is a large subcutaneous hematoma at the back of the head. The placenta is bidiscoid and weighs 14.446 grams. Disc one is 3.8 x 3.7 cm. Disc two is 4.2 by 3.5 cm. Umbilical insertion is marginal onto disc one. The disc thickness is 4.66 mm.

GROSS DIAGNOSIS:

In utero death due to dystocia.

Necropsy Screen

[755]

ID : < 90133> Death Date: 06/28/92
 Necropsy Date: <06/29/92 > Sex: F

BAH Destination: NECROPSIED
 Age Class: ADULT

Necropsy#: <129A92 >

Time: 1415 Prosector: SVG

Weights:	
Body:	766
Liver:	28.88
Spleen:	0.0000
Lung:	6.6300
Brain:	23.8850
Heart:	3.9100
Left Kidney:	2.6000
Right Kidney:	2.5800
Left Adrenal:	0.2700
Right Adrenal:	0.3900
Thymus:	0.0000

Measurements:	
Crown-Rump:	26.50
Crown-Heel:	44.50
Head Circ:	16.10
Bipar. Diam.:	41.61
Arm:	13.20
Femur:	83.88
Tail:	37.60

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: ()

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	A
Skin:	A
Ab. Viscera:	A
Th. Viserca:	N
Subq Fat:	N

Abdomen:	
Spleen:	O
Liver:	N
Pancreas:	N

Urinary:	
Adrenal:	A
Kidney:	N
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	A
Stomach:	N
Esophagus:	A
Small Int.:	N
Colon:	A
Cecum:	A
Anus:	A

Gross Pathology Screen 2:

Male:	
Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	N
Oviducts:	N
Uterus:	N
Cervix:	N
Vagina:	A
Vulva:	A

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	N

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	N
Vessels	
Aorta:	
Venacava:	
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	A
Bones:	N
Joints:	N

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	N

CLINICAL ABSTRACT:

This animal was acquired by AID in April of 1986. It has a history of being used for malarial vaccine work. It was transferred to the PRL in September of 1991. It has had one previous infant #91043 on 06/28/91. Late in the evening of 06/28/92 during evening observations, this animal was found down dead in run #16.

ABNORMALITIES:

A pregnant adult female Bolivian squirrel monkey is presented for necropsy. Both nipples are markedly hyperemic as if they had been chewed both some other monkey. The external genitalia and anus are cannibalized, and the tail of the fetus is present. The fetus is in the vertex position with the back of the head engaged with the cervix. The fetus is tightly drawn into itself with the legs drawn up to the head and encircled with the arms. The tail loops over the shoulder and down into the vaginal area. The vulva and most of the vagina have been cannibalized, as well as the surrounding musculature. The anus, rectum, colon, cecum, and distal small intestine have also been cannibalized. The adrenals are enlarged and hemorrhagic. The skin on the back of the head and associated connective tissue is very tough and thick. This tissue is also mildly hyperemic. The thickness of the skin is suggestive of previous trauma, probably due to bite wounds to the back of the head.

The body weight of this animal with the fetus is 766 grams, 669 grams without the fetus.

GROSS DIAGNOSIS:

Dystocia, shock, cannibalized.

Necropsy Screen

[754]

ID : < 90152> Death Date: 06/27/92
 Necropsy Date: <06/27/92 > Sex: M

BAH Destination: NECROPSIED
 Age Class: ADULT

Necropsy#: <128PL92 >

Time: 1500 Prosector: SVG

Weights:	
Body:	1202
Liver:	50.58
Spleen:	0.0000
Lung:	8.4840
Brain:	24.9100
Heart:	6.4390
Left Kidney:	3.6180
Right Kidney:	3.6200
Left Adrenal:	0.3270
Right Adrenal:	0.4080
Thymus:	0.0000

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	0.00
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	Y
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: ()

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	N
Skin:	N
Ab. Viscera:	A
Th. Viserca:	N
Subq Fat:	A

Abdomen:	
Spleen:	O
Liver:	A
Pancreas:	N

Urinary:	
Adrenal:	A
Kidney:	N
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	A
Esophagus:	A
Small Int.:	N
Colon:	N
Cecum:	N
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	N
Epididymis:	N
Prostrate:	N
Penis:	N

Female:	
Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	N

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	N
Vessels:	
Aorta:	
Venacava:	
Peri. Sac:	

Lymph Node:	
Peripheral:	
Mesenteric:	
Thoracic:	

Muscle:	
Muscles:	N
Bones:	N
Joints:	N

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	N

CLINICAL ABSTRACT:

This adult male squirrel monkey was received from the CDC in March of 1992. This animal has had no clinical problems before today. The animal was found dead, hanging onto the front of the cage with its teeth clinched around the bars at 2:45 p.m. on 06/27/92.

ABNORMALITIES:

An adult male Bolivian squirrel monkey is presented for necropsy. This animal has a prominent and distended abdomen. There is moderate plaque accumulation around the teeth. The teeth are in otherwise good condition. There is approximately 5 ml of serosanguinous fluid in the abdomen. Both adrenals are hemorrhagic. The liver is moderately enlarged and dark red. The stomach is distended with ingesta and gas. There are a few small ulcers 2 to 3 mm in diameter, with associated hemorrhage on the stomach mucosa. The remainder of the gastrointestinal tract is markedly empty of ingesta. There is partially digested food in the esophagus and in the mouth. This animal does not have a spleen.

Note

Stomach contents and liver were cultured for microbiology.

GROSS DIAGNOSIS:

Acute gastric dilation, adrenal hemorrhage.

Necropsy Screen

[740]

ID : < 92012> Death Date: 06/18/92
Necropsy Date: <06/18/92 > Sex: F

BAH Destination: NECROPSIED
Age Class: INFANT

Necropsy#: <118PL92 >

Time: 1800 Prosector: SVG

Weights:	
Body:	168
Liver:	7.47
Spleen:	0.4940
Lung:	0.0000
Brain:	24.4780
Heart:	0.9500
Left Kidney:	0.8760
Right Kidney:	0.8830
Left Adrenal:	0.0800
Right Adrenal:	0.0760
Thymus:	0.2100

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	0.00
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: { }

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	A
Skin:	A
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	A

Abdomen:	
Spleen:	A
Liver:	N
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	N
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	N
Esophagus:	N
Small Int.:	N
Colon:	N
Cecum:	N
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	N
Oviducts:	N
Uterus:	N
Cervix:	N
Vagina:	
Vulva:	

Respiration:	
Larynx:	N
Trachea:	A
Thyroids:	N
Bronchi:	A
Pleura:	N
Lungs:	N

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	
Vessels:	
Aorta:	
Venacava:	
Peri. Sac:	

Lymph Node:	
Peripheral:	A
Mesenteric:	N
Thoracic:	A

Muscle:	
Muscles:	N
Bones:	N
Joints:	N

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	N

28

CLINICAL ABSTRACT:

This infant squirrel monkey had previously had a tail amputation from which it had successfully recovered. In the early afternoon of 06/18/92 it was discovered dead, being carried in the arms of its mother. There have been no immediate previous history of disease in this infant.

ABNORMALITIES:

There is pronounced bruising beneath the mandible. There is marked bruising and hyperemia of the gums along the lower teeth, including the incisors, canines, and premolars. The lymph nodes draining the neck are dark red and enlarged. There is scant ingesta in the gastrointestinal tract. The spleen is mildly enlarged. The lungs are mottled pink to red and there is froth in the trachea. The tracheal-bronchial lymph nodes are prominent and enlarged.

Note

The lung was cultured for microbiology.

GROSS DIAGNOSIS:

Pneumonia, trauma to the chin.

Necropsy Screen

ID : < 90238> Death Date: 06/10/92
 Necropsy Date: <06/10/92 > Sex: M

BAH Destination: NECROPSIED
 Age Class: ADULT

[27]

Necropsy#: <111PL92 >

Time: 1405 Prosector: SVG

Weights:	
Body:	1064
Liver:	39.45
Spleen:	0.0000
Lung:	20.2630
Brain:	27.9050
Heart:	7.0850
Left Kidney:	3.3750
Right Kidney:	3.7450
Left Adrenal:	0.4670
Right Adrenal:	0.6180
Thymus:	0.0000

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	0.00
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	Y
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	Y
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: ()

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	N
Skin:	A
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	N

Abdomen:	
Spleen:	A
Liver:	N
Pancreas:	N

Urinary:	
Adrenal:	A
Kidney:	A
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	A
Esophagus:	N
Small Int.:	A
Colon:	A
Cecum:	A
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	N
Epididymis:	N
Prostrate:	N
Penis:	N

Female:	
Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:	
Larynx:	N
Trachea:	A
Thyroids:	N
Bronchi:	A
Pleura:	N
Lungs:	A

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	
Vessels:	
Aorta:	
Venacava:	
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	N
Bones:	N
Joints:	N

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	N

CLINICAL ABSTRACT:

On the morning of 6/10/92, this adult male squirrel monkey was found down in the cage. This monkey was housed in mega-run #12. The animal was administered oxygen. The glucose was too low to record. The animal was given 2 cc of 20% Dextrose through a naso-gastric tube, 30 cc of Lactated Ringers subcutaneously. Blood pressure was very low and the veins were difficult to identify and maintain. Body temperature was 101.2. Blood was collected for complete blood count and serum chemistry. The animal became dyspneic, and subsequently died.

ABNORMALITIES:

A well fleshed adult squirrel monkey is presented for necropsy. There are multiple scrapes on the soles of the feet. These occurred recently. The tip of the tail is raw. There are no other remarkable lesions on the exterior of this animal. The adrenal glands are markedly enlarged, the left adrenal weighing .467 grams and the right adrenal .618. Both of the adrenal glands are dark red/black, probably due to extensive hemorrhage. The gastrointestinal tract is largely empty. What distention there is to tract is due to gas, possibly through swallowing of oxygen during treatment. The lungs are fully inflated. They are heavy and wet. A small amount of froth is present in the bronchi and trachea when the lungs are expressed. There are no other reportable lesions.

Note

A cut section of the lung was cultured for microbiology.

GROSS DIAGNOSIS:

Open, however, the enlarged hemorrhagic adrenal glands are suggestive of pronounced stress, and the wet heavy lungs may be due to either acute pulmonary edema or a peracute infectious process.

Necropsy Screen

ID : < 90468> Death Date: 05/31/92 BAH Destination: NECROPSIED [49]
 Necropsy Date: <05/31/92 > Sex: M Age Class: ADULT
 Necropsy#: <96PL92 > Time: 1230 Prosector: AGB

Weights:
 Body: 830
 Liver: 36.30
 Spleen: 1.8100
 Lung: 0.0000
 Brain: 26.9000
 Heart: 9.4000
 Left Kidney: 4.1500
 Right Kidney: 0.0000
 Left Adrenal: 0.0000
 Right Adrenal: 0.0000
 Thymus: 0.0000

Measurements:
 Crown-Rump: 0.00
 Crown-Heel: 0.00
 Head Circ: 0.00
 Bipar. Diam.: 0.00
 Arm: 0.00
 Femur: 0.00
 Tail: 0.00

Check List:
 Bacteriology:
 Parasitology:
 Urinalysis:
 Biopsy/Cytology:
 Tissues Frozen: Y
 Tissues Fixed: Y
 Outgoing Samples:
 Photos:
 Other:

Cause of Death Code: (1)
 [Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:
 Haircoat:
 Orifices:
 Skin: A
 Ab. Viscera:
 Th. Viserca:
 Subq Fat: A

Abdomen:
 Spleen:
 Liver:
 Pancreas:

Urinary:
 Adrenal:
 Kidney:
 Ureters:
 Bladder:

Gasto-Int.:
 Mouth:
 Tongue:
 Rectum:
 Stomach:
 Esophagus:
 Small Int.:
 Colon:
 Cecum:
 Anus:

Gross Pathology Screen 2:

Male:
 Testes: A
 Epididymis:
 Prostrate:
 Penis:

Female:
 Ovaries:
 Oviducts:
 Uterus:
 Cervix:
 Vagina:
 Vulva:

Respiration:
 Larynx:
 Trachea:
 Thyroids:
 Bronchi:
 Pleura:
 Lungs: A

Coronary:
 Pericardium:
 Epicardium:
 Myocardium:
 Arteries:
 Vessels
 Aorta:
 Venacava:
 Peri. Sac:

Lymph Node:
 Peripheral:
 Mesenteric:
 Thoracic:

Muscle:
 Muscles: A
 Bones:
 Joints:

Brain:
 Meninges:
 Greymatter:
 Pituitary:
 Brain:

CLINICAL ABSTRACT:

This animal arrived at the PRL in the fall of 1991 from Battelle Northwest Laboratories. He was treated at Battelle in 1990 for a tail injury. He was acquired by Battelle in 1988. While at the PRL this animal was once again treated for tail trauma. The date of this injury was unknown, however, the tail healed well and this animal was being prepared to return to a group cage (the animal was housed in a single caged at the time of his death). On 05/31/92 this animal appeared to be mildly depressed on morning observations. When the animal was removed from his cage for treatment and work-up he expired.

Note

Clinical diagnosis for this case is not established due to the short course of the animal's illness.

ABNORMALITIES:

Subcutaneous tissues - dehydrated
Testes - 5 mm mass on cut surface of testes. Parenchyma - may be abnormal cut
Skin - pale
Gallbladder - distended
Intestine - almost entirely empty
Lungs - bilateral consolidation in caudal lobes, lobes are also discolored. Fibrinous adhesions to pleura

GROSS DIAGNOSIS:

Pneumonia, bronchial, moderate/severe, caudal lobes.

Necropsy Screen

[767]

ID : < 92028> Death Date: 05/21/92
Necropsy Date: <05/21/92 > Sex: M

BAH Destination: NECROPSIED
Age Class: FETUS

Necropsy#: <79B92 >

Time: 1030 Prosector: SVG

Weights:	
Body:	86
Liver:	0.00
Spleen:	0.0000
Lung:	0.0000
Brain:	0.0000
Heart:	0.0000
Left Kidney:	0.0000
Right Kidney:	0.0000
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	11.50
Crown-Heel:	17.30
Head Circ:	12.60
Bipar. Diam.:	30.02
Arm:	6.70
Femur:	31.48
Tail:	13.40

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: ()

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	
Orifices:	
Skin:	
Ab. Viscera:	
Th. Viserca:	
Subq Fat:	

Abdomen:	
Spleen:	
Liver:	
Pancreas:	

Urinary:	
Adrenal:	
Kidney:	
Ureters:	
Bladder:	

Gasto-Int.:	
Mouth:	
Tongue:	
Rectum:	
Stomach:	
Esophagus:	
Small Int.:	
Colon:	
Cecum:	
Anus:	

Gross Pathology Screen 2:

Male:	
Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:	
Larynx:	
Trachea:	
Thyroids:	
Bronchi:	
Pleura:	
Lungs:	

Coronary:	
Pericardium:	
Epicardium:	
Myocardium:	
Arteries:	
Vessels:	
Aorta:	
Venacava:	
Peri. Sac:	

Lymph Node:	
Peripheral:	
Mesenteric:	
Thoracic:	

Muscle:	
Muscles:	
Bones:	
Joints:	

Brain:	
Meninges:	
Greymatter:	
Pituitary:	
Brain:	

CLINICAL ABSTRACT:

ABNORMALITIES:

GROSS DIAGNOSIS:

Intrauterine death, late stage 3.

Necropsy Screen

ID : < 90255> Death Date: 05/21/92
 Necropsy Date: <05/21/92 > Sex: F

BAH Destination: NECROPSIED
 Age Class: ADULT

[533]

Necropsy#: <79PL92 >

Time: 1030 Prosector: SVG

Weights:	
Body:	904
Liver:	32.04
Spleen:	1.1300
Lung:	5.8300
Brain:	26.8900
Heart:	5.9400
Left Kidney:	3.6220
Right Kidney:	3.5800
Left Adrenal:	0.2060
Right Adrenal:	0.1970
Thymus:	0.0000

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	0.00
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: (3)
 [Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	A
Skin:	A
Ab. Viscera:	A
Th. Viserca:	N
Subq Fat:	N

Abdomen:	
Spleen:	N
Liver:	A
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	A
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	A
Tongue:	N
Rectum:	A
Stomach:	N
Esophagus:	N
Small Int.:	A
Colon:	A
Cecum:	A
Anus:	A

Gross Pathology Screen 2:

Male:	
Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	N
Oviducts:	N
Uterus:	N
Cervix:	N
Vagina:	A
Vulva:	A

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	N

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	N
Vessels:	
Aorta:	N
Venacava:	
Peri. Sac:	N

Lymph Node:	
Peripheral:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	N
Bones:	N
Joints:	N

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	N

CLINICAL ABSTRACT:

This adult female Bolivian squirrel monkey was received from Battelle Northwest Laboratory on September 19, 1991. It has recently been treated for tail trauma and for a bite wound to the vulva and has been in the treatment room (#41) until yesterday, until both of those lesions had been healed. Yesterday this animal was returned to its run (#24). This morning the animal was found dead at 7:30 a.m.

ABNORMALITIES:

A pregnant adult female Bolivian squirrel monkey is presented for necropsy. The hair coat is sparse and dry. Approximately 3 cm of the distal tail coccygeal vertebrae are exposed. A circular area, approximately 7 cm in diameter, including the area of the external genitalia and anus have been cannibalized to the extent that those structures are no longer present. The cannibalization has included the medial and caudal aspects of the leg muscles. Also involved are the entire vulva, the distal portion of the vagina, and approximately 2 cm of rectum. There is very little hemorrhage associated with this broad area of cannibalization, which may indicate that it occurred postmortem. Both of the nipples are hyperemic as if they had been chewed. There is a stage 3 fetus in the vertex position in the uterus. The male fetus weighs 66.4 grams and is very close to term. The placenta is bidiscoid and weighs 12.98 grams. The placenta had not separated from the uterus, indicating that delivery was not imminent. There is moderate postmortem degeneration of all abdominal viscera. There are no other reportable lesions.

GROSS DIAGNOSIS:

Shock secondary to blood loss from tail trauma.

Necropsy Screen

ID : < 90625> Death Date: 05/14/92 BAH Destination: NECROPSIED [34]
 Necropsy Date: <05/14/92 > Sex: F Age Class: ADULT

Necropsy#: <72PL92 > Time: 0 Prosector: SVG

Weights:	
Body:	608
Liver:	15.17
Spleen:	0.0000
Lung:	4.2800
Brain:	23.7410
Heart:	4.1450
Left Kidney:	1.8220
Right Kidney:	1.8400
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	27.00
Crown-Heel:	42.50
Head Circ:	16.40
Bipar. Diam.:	4.36
Arm:	15.00
Femur:	6.32
Tail:	0.00

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: (3)
 [Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:
Haircoat:
Orifices:
Skin:
Ab. Viscera:
Th. Viserca:
Subq Fat:

Abdomen:
Spleen:
Liver:
Pancreas:

Urinary:
Adrenal:
Kidney:
Ureters:
Bladder:

Gasto-Int.:
Mouth:
Tongue:
Rectum:
Stomach:
Esophagus:
Small Int.:
Colon:
Cecum:
Anus:

Gross Pathology Screen 2:

Male:
Testes:
Epididymis:
Prostrate:
Penis:

Female:
Ovaries:
Oviducts:
Uterus:
Cervix:
Vagina:
Vulva:

Respiration:
Larynx:
Trachea:
Thyroids:
Bronchi:
Pleura:
Lungs:

Coronary:
Pericardium:
Epicardium:
Myocardium:
Arteries:
Vessels
Aorta:
Venacava:
Peri. Sac:

Lymph Node:
Peripheral:
Mesenteric:
Thoracic:

Muscle:
Muscles:
Bones:
Joints:

Brain:
Meninges:
Greymatter:
Pituitary:
Brain:

CLINICAL ABSTRACT:

This animal was found down dead in the run at 3:00 p.m on the afternoon of 05/14/92. The animal had a tail bite injury from which apparently she had been exanguinated by her cage mates. .

ABNORMALITIES:

An adult female Bolivian squirrel monkey is presented for necropsy. This animal is extremely pale. There is approximately 2 cm of the distal coccygeal vertabrae exposed and the surrounding tissue has been chewed. This animal has poor dentition, a score of 4 to 5 for all remaining teeth. There are silk sutures in the abdominal musculature. The suture line is approximately 3 cm from the xyphoid process. There are also two silk sutures adjacent to the pancreas in an area usually occupied by the spleen. The eyes are sunk in the orbits. The abdominal viscera are pale. The adrenal glands appear to be small. There is multifocal hemorrhage of the gastric mucosa. There are scant gastrointestinal contents. There is an area of hyperemia involving the right nipple.

GROSS DIAGNOSIS:

Shock secondary to blood loss due to tail trauma.

Necropsy Screen

ID : < 92025> Death Date: 05/05/92
 Necropsy Date: <05/05/92 > Sex: F

[491]
 BAH Destination: NECROPSIED
 Age Class: INFANT

Necropsy#: <63PL92 >

Time: 0 Prosector: AGB

Weights:	
Body:	73
Liver:	2.56
Spleen:	0.0800
Lung:	1.9900
Brain:	13.5000
Heart:	0.5100
Left Kidney:	0.2600
Right Kidney:	0.1200
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	11.70
Crown-Heel:	0.00
Head Circ:	11.60
Bipar. Diam.:	27.70
Arm:	0.00
Femur:	25.30
Tail:	0.00

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	Y
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: (3)
 [Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	
Orifices:	
Skin:	
Ab. Viscera:	A
Th. Viserca:	
Subq Fat:	A

Abdomen:	
Spleen:	
Liver:	
Pancreas:	

Urinary:	
Adrenal:	
Kidney:	
Ureters:	
Bladder:	

Gasto-Int.:	
Mouth:	
Tongue:	
Rectum:	
Stomach:	
Esophagus:	
Small Int.:	A
Colon:	A
Cecum:	A
Anus:	

Gross Pathology Screen 2:

Male:	
Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:	
Larynx:	
Trachea:	
Thyroids:	
Bronchi:	
Pleura:	
Lungs:	

Coronary:	
Pericardium:	
Epicardium:	
Myocardium:	
Arteries:	
Vessels:	
Aorta:	
Venacava:	
Peri. Sac:	

Lymph Node:	
Peripheral:	
Mesenteric:	
Thoracic:	

Muscle:	
Muscles:	
Bones:	
Joints:	

Brain:	
Meninges:	
Greymatter:	
Pituitary:	
Brain:	

CLINICAL ABSTRACT:

The mother of this infant (animal 90765) was captured from the wild and arrived at Battelle Northwestern in 1989 and was brought to the Primate Research Laboratory in the autumn of 1992. She has had no clinical incidence during her gestation. This infant was never seen alive and was found dead on morning observation of 05/05/92. A CBC performed on the mother on that date demonstrated a hematocrit of 18%. No other information is available on infant's death.

ABNORMALITIES:

The lungs float in formalin, indicating that this is a neonatal death rather than a still birth. Subcutaneous tissues are pale. There is severe trauma to the right abdominal wall. The intestine from the stomach to the terminal colon is absent and appears to have been removed during the trauma to the abdominal wall. This may have been the result of a botched attempt to cut the umbilical cord.

GROSS DIAGNOSIS:

Severe abdominal trauma resulting in evisceration.

Necropsy Screen

[729]

ID : < 90901 > Death Date: 05/03/92
Necropsy Date: < 05/03/92 > Sex: F

BAH Destination: NECROPSIED
Age Class: ADULT

Necropsy#: < 61PL92 >

Time: 0 Prosector: AGB

Weights:

Body:	756
Liver:	34.10
Spleen:	0.0000
Lung:	0.0000
Brain:	24.3000
Heart:	6.0000
Left Kidney:	3.9900
Right Kidney:	0.0000
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:

Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	0.00
Femur:	0.00
Tail:	0.00

Check List:

Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	
Outgoing Samples:	
Photos:	
Other:	Y

Cause of Death Code: { 1 }

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:

Haircoat:	
Orifices:	
Skin:	A
Ab. Viscera:	
Th. Viserca:	
Subq Fat:	

Abdomen:

Spleen:	
Liver:	A
Pancreas:	

Urinary:

Adrenal:	
Kidney:	
Ureters:	
Bladder:	

Gasto-Int.:

Mouth:	
Tongue:	
Rectum:	
Stomach:	
Esophagus:	
Small Int.:	
Colon:	
Cecum:	
Anus:	

Gross Pathology Screen 2:

Male:

Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:

Ovaries:	
Oviducts:	
Uterus:	A
Cervix:	
Vagina:	
Vulva:	

Respiration:

Larynx:	
Trachea:	
Thyroids:	
Bronchi:	
Pleura:	
Lungs:	A

Coronary:

Pericardium:	
Epicardium:	
Myocardium:	
Arteries:	
Vessels:	
Aorta:	
Venacava:	
Peri. Sac:	

Lymph Node:

Peripheral:	
Mesenteric:	
Thoracic:	

Muscle:

Muscles:	
Bones:	
Joints:	

Brain:

Meninges:	A
Greymatter:	
Pituitary:	
Brain:	

42

CLINICAL ABSTRACT:

This animal was received as part of the AID contract in the latter part of 1991. She was received by Battelle in 1989 and has no illnesses reported in her file from Battelle, nor have there been any illnesses reported at the PRL. The animal was found dead on morning observation, on the morning of 05/03/92.

ABNORMALITIES:

The body is that of a female adult Bolivian squirrel monkey. The animal is in good flesh. There are small bite wounds on the occipital scalp and the tip of the tail. The animal is pregnant. The placental thickness of this animal is 3.4 mm with placental disc dimensions of 34 x 36 mm. According to the data of Narita, this would put the fetus at about 70 days before delivery or about 80 days gestation. The surface of the placental disc has a white pseudomembrane adhered to it. There are no abnormalities of the uterine wall. The right lung is diffusely dark red. The left lung is mottled red. The liver is pale both on the serosal surface and in the parenchyma, however, this is difficult to evaluate because of the moderate degree of postmortem autolysis. A sample of vitreous is collected for BUN determination.

GROSS DIAGNOSIS:

The most likely cause of death in this animal is pneumonia, however, the fact that this was more pronounced in one lung suggest that this may have been a terminal event. None of the other lesions were grossly pronounced enough to point to them as the primary cause of this animal's death.

43

Necropsy Screen

ID : < 92024> Death Date: 04/23/92
 Necropsy Date: <04/23/92 > Sex: M

BAH Destination: ABORTION
 Age Class: FETUS

[700]

Necropsy#: <54PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	0
Liver:	0.00
Spleen:	0.0000
Lung:	0.0000
Brain:	0.0000
Heart:	0.0000
Left Kidney:	0.0000
Right Kidney:	0.0000
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	0.00
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: { 5 }
 [Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:
Haircoat:
Orifices:
Skin:
Ab. Viscera:
Th. Viserca:
Subq Fat:

Abdomen:
Spleen:
Liver:
Pancreas:

Urinary:
Adrenal:
Kidney:
Ureters:
Bladder:

Gasto-Int.:
Mouth:
Tongue:
Rectum:
Stomach:
Esophagus:
Small Int.:
Colon:
Cecum:
Anus:

Gross Pathology Screen 2:

Male:
Testes:
Epididymis:
Prostrate:
Penis:

Female:
Ovaries:
Oviducts:
Uterus:
Cervix:
Vagina:
Vulva:

Respiration:
Larynx:
Trachea:
Thyroids:
Bronchi:
Pleura:
Lungs:

Coronary:
Pericardium:
Epicardium:
Myocardium:
Arteries:
Vessels
Aorta:
Venacava:
Peri. Sac:

Lymph Node:
Peripheral:
Mesenteric:
Thoracic:

Muscle:
Muscles:
Bones:
Joints:

Brain:
Meninges:
Greymatter:
Pituitary:
Brain:

CLINICAL ABSTRACT:

This fetus was removed by C-section from monkey #90622 on the morning of 4/23/92. The dam, 90622, had been found comatose on the floor of run 16 earlier that morning. She was severely anemic from a tail trauma.

ABNORMALITIES:

The fetus was preserved intoto in the amnionic sac. The combined weight of the fetus and the placenta was 20.9 grams. Half of the placenta was frozen in liquid nitrogen.

GROSS DIAGNOSIS:

Abortion, early stage 2, c-section.

45

Necropsy Screen

[732]

ID : < 92023> Death Date: 04/16/92
Necropsy Date: <04/16/92 > Sex: M

BAH Destination: STILLBIRTH
Age Class: STILLBIR

Necropsy#: <45PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	64
Liver:	0.00
Spleen:	0.0000
Lung:	0.0000
Brain:	0.0000
Heart:	0.0000
Left Kidney:	0.0000
Right Kidney:	0.0000
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	0.00
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: (4)
[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	A
Orifices:	N
Skin:	A
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	A

Abdomen:	
Spleen:	A
Liver:	A
Pancreas:	A

Urinary:	
Adrenal:	A
Kidney:	A
Ureters:	A
Bladder:	A

Gasto-Int.:	
Mouth:	A
Tongue:	A
Rectum:	A
Stomach:	A
Esophagus:	A
Small Int.:	A
Colon:	A
Cecum:	A
Anus:	A

Gross Pathology Screen 2:

Male:	
Testes:	N
Epididymis:	N
Prostrate:	N
Penis:	N

Female:	
Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:	
Larynx:	A
Trachea:	A
Thyroids:	A
Bronchi:	A
Pleura:	A
Lungs:	A

Coronary:	
Pericardium:	A
Epicardium:	A
Myocardium:	A
Arteries:	A
Vessels:	
Aorta:	A
Venacava:	A
Peri. Sac:	A

Lymph Node:	
Peripheral:	
Mesenteric:	
Thoracic:	

Muscle:	
Muscles:	
Bones:	
Joints:	

Brain:	
Meninges:	A
Greymatter:	A
Pituitary:	A
Brain:	A

CLINICAL ABSTRACT:

ABNORMALITIES:

A premature male infant squirrel monkey is presented for necropsy. The infant is haired, but the hair coat over the legs and tail is sparse. There is red discoloration to the skin. The brain and tongue have been cannibalized, and the placenta has been partially cannibalized. The lungs are dark red and are not inflated. There are hemorrhages on the pericardial sac. There is advanced postmortem degeneration.

GROSS DIAGNOSIS:

Stillbirth, premature infant, late stage 3.

Necropsy Screen

ID : < 92021> Death Date: 04/15/92
 Necropsy Date: <04/15/92 > Sex: M

[731]
 BAH Destination: NECROPSIED
 Age Class: INFANT

Necropsy#: <44PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	85
Liver:	2.23
Spleen:	0.2800
Lung:	0.2870
Brain:	15.1700
Heart:	0.4700
Left Kidney:	0.2870
Right Kidney:	0.2800
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.1200

Measurements:	
Crown-Rump:	14.50
Crown-Heel:	22.50
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	6.30
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: { 2 }
 [Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	A
Orifices:	N
Skin:	A
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	A

Abdomen:	
Spleen:	N
Liver:	A
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	N
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	A
Rectum:	A
Stomach:	A
Esophagus:	N
Small Int.:	A
Colon:	A
Cecum:	A
Anus:	A

Gross Pathology Screen 2:

Male:	
Testes:	N
Epididymis:	N
Prostrate:	N
Penis:	N

Female:	
Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	A

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	N
Vessels	
Aorta:	N
Venacava:	N
Peri. Sac:	N

Lymph Node:	
Peripheral:	
Mesenteric:	
Thoracic:	

Muscule:	
Muscles:	N
Bones:	N
Joints:	N

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	N

CLINICAL ABSTRACT:

This animal was born on 4/12/92 and weighed 87 grams at birth. On the morning of 4/13/92 the animal was found collapsed with a tail injury, and amputation of the tail was required. The condition of this animal continued to deteriorate and the decision was made to euthanize the animal. The animal was euthanized at 11:53 a.m. on 4/15/92.

ABNORMALITIES:

This animal is jaundiced. 3 cm of the distal tail is dark red with poor perfusion. The thymus is small and indistinct. There are prominent interlobular septae of the lungs. There are hyperemia in the right lung lobes. Fluid is in the thorax and the pericardial sac. This animal is anemic and had an elevated BUN and creatinine.

GROSS DIAGNOSIS:

Euthanasia, jaundice, thrombosis of tail veins.

Necropsy Screen

[721]

ID : < 92019 > Death Date: 03/25/92
Necropsy Date: <03/25/92 > Sex: U

BAH Destination: NECROPSIED
Age Class: INFANT

Necropsy#: <38PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	110
Liver:	5.36
Spleen:	0.0950
Lung:	1.7830
Brain:	15.4650
Heart:	0.8150
Left Kidney:	0.4060
Right Kidney:	0.4050
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	12.30
Crown-Heel:	18.80
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	7.50
Femur:	0.00
Tail:	19.00

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: { 4 }
[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:
Haircoat:
Orifices:
Skin:
Ab. Viscera:
Th. Viserca:
Subq Fat:

Abdomen:
Spleen:
Liver:
Pancreas:

Urinary:
Adrenal: A
Kidney:
Ureters:
Bladder:

Gasto-Int.:
Mouth:
Tongue:
Rectum:
Stomach:
Esophagus:
Small Int.:
Colon:
Cecum:
Anus:

Gross Pathology Screen 2:

Male:
Testes:
Epididymis:
Prostrate:
Penis:

Female:
Ovaries:
Oviducts:
Uterus:
Cervix:
Vagina:
Vulva:

Respiration:
Larynx:
Trachea:
Thyroids:
Bronchi:
Pleura:
Lungs:

Coronary:
Pericardium:
Epicardium:
Myocardium:
Arteries:
Vessels
Aorta:
Venacava:
Peri. Sac:

Lymph Node:
Peripheral:
Mesenteric:
Thoracic:

Muscle:
Muscles:
Bones:
Joints:

Brain:
Meninges:
Greymatter:
Pituitary:
Brain:

CLINICAL ABSTRACT:

This infant was found dead on the floor of room 45 on the morning of 3/25/92. The mother's number is 90088.

ABNORMALITIES:

A full term infant squirrel monkey of indeterminate sex is presented for necropsy. The infant's hair coat is very dirty. There is blood at the umbilicus. There is a purple/red discoloration to the abdomen. The external genitalia and the anus have been macerated. This infant was partially eviscerated through the umbilicus. Only the stomach, duodenum, and rectum remain of the intestinal tract. Blood is pooled in the venus system of the abdomen. There is postmortem imbibition of bile along the dorsal margins of the liver. Both adrenals are dark red, indicative of marked hemorrhage. The skeletal muscle is pale. There is noticeable body fat in the retroperitoneal area, between the kidneys and adrenals, and in the pericardial sac. There was insufficient remnants of the internal and external genitalia to determine sex of this infant. The lungs are plum colored, not inflated, and sank when placed in formalin.

GROSS DIAGNOSIS:

Stillbirth which is partially cannibalized and eviscerated.

Necropsy Screen

[724]

ID : < 92017 > Death Date: 03/19/92
Necropsy Date: < 03/19/92 > Sex: M

BAH Destination: NECROPSIED
Age Class: INFANT

Necropsy#: < 36PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	128
Liver:	3.67
Spleen:	0.1460
Lung:	1.8820
Brain:	17.6160
Heart:	0.7840
Left Kidney:	0.3970
Right Kidney:	0.4350
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	0.00
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	Y
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: { 1 }

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	A
Orifices:	A
Skin:	A
Ab. Viscera:	A
Th. Viserca:	N
Subq Fat:	N

Abdomen:	
Spleen:	N
Liver:	A
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	N
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	A
Stomach:	A
Esophagus:	N
Small Int.:	A
Colon:	A
Cecum:	A
Anus:	A

Gross Pathology Screen 2:

Male:	
Testes:	N
Epididymis:	N
Prostrate:	N
Penis:	N

Female:	
Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	N
Vessels:	
Aorta:	N
Venacava:	N
Peri. Sac:	

Lymph Node:	
Peripheral:	
Mesenteric:	
Thoracic:	

Muscle:	
Muscles:	A
Bones:	N
Joints:	

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	

52

CLINICAL ABSTRACT:

This infant was born to animal #90175 on 3/18/92. The baby was active and strong, with a blood glucose level of greater than 60. The dam was noted to have no milk, however, it was assumed that the baby had recently suckled. The baby was noticed to travel low over the hip of the mother, but it would climb up and assume a normal position during the period of a five minute observation. On the morning of 3/19/92 this animal was found dead on the floor of the cage.

ABNORMALITIES:

A full term infant male Bolivian squirrel monkey is presented for necropsy. This infant is wet and filthy, probably from being on the floor of the cage for an extended period of time. The skin at all the contact points on the ventrum is bright red, this includes the chin, palms of the hand, sternum and ventral thorax, medial aspects of the knees and elbows, and the soles of the feet. The hyperemia is limited to the skin and does not extend to the underlying tissues. There is a distinct yellow cast to the subcutaneous tissues and body weight. The weight of the liver is low for an infant of this size. The liver is mottled yellow/red. The stomach and intestines are in a state of advanced postmortem degeneration. They contain red/brown to black, grainy ingesta. The lungs are pink and fully inflated. The thymus is normal. There is diapedesis of erythrocytes on the surface of the brain. The skeletal musculature is pale.

GROSS DIAGNOSIS:

Neonatal death, cause is undetermined, but may be connected to poor lactation of the dam. Red discoloration of the skin is due to prolonged exposure to the floor which is sanitized with Reserve.
NOTE: Liver and heart blood is cultured for microbiology.

Necropsy Screen

ID : < 90001> Death Date: 03/11/92
 Necropsy Date: <03/11/92 > Sex: M

[715]
 BAH Destination: NECROPSIED
 Age Class: ADULT

Necropsy#: <31PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	1102
Liver:	32.81
Spleen:	0.8590
Lung:	9.4900
Brain:	25.9500
Heart:	8.4350
Left Kidney:	3.8960
Right Kidney:	3.7740
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	0.00
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	Y
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: {1 }

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	A
Skin:	A
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	A

Abdomen:	
Spleen:	A
Liver:	A
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	A
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	A
Tongue:	A
Rectum:	N
Stomach:	N
Esophagus:	N
Small Int.:	N
Colon:	N
Cecum:	N
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	N
Epididymis:	N
Prostrate:	N
Penis:	N

Female:	
Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:	
Larynx:	A
Trachea:	N
Thyroids:	A
Bronchi:	N
Pleura:	N
Lungs:	

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	N
Vessels	
Aorta:	N
Venacava:	N
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	A
Bones:	N
Joints:	

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	

CLINICAL ABSTRACT:

This adult male squirrel monkey was received from Battelle Northwest Laboratories on September 17, 1991. The animal went through quarantine without any clinical problems. Recently it has been part of a mega-run with several males and has been in multiple fights and has been treated on several occasions for fight wounds. On 3/11/92 the animal was noticed to have a swelling on the right side of the face, and his temperature was over 103 degrees Fahrenheit. The animal was anesthetized with Ketamine and Rompun and the teeth were examined for a possible canine or molar abscess. The right lower canine was removed, however, no exudate was observed. The animal appeared to have respiratory difficulty during anesthesia. The animal was also dehydrated. Subcutaneous fluids were administered, the animal was placed on oxygen for a short time and was returned to an individual cage for recovery. Because of the lack of information collected from the physical examination, it was decided to x-ray the affected area. The animal was still sedated and x-rays were attempted, however, the animal would not remain still so an additional .25 cc of Ketamine was administered in two doses in order to achieve anesthesia. The x-rays were completed. An additional 50 cc of subcutaneous Lactated Ringers was administered. The animal never recovered from anesthesia and went into respiratory arrest. It was treated with Dopram and intracardiac Epinephrin and subsequently expired. The values for CBC and serum chemistry from this animal this morning indicated that the animal was probably in renal distress and had a very severe infection. The white count was 2800. The majority of the white cells were neutrophils and there was a pronounced left shift. All of the neutrophils had toxic changes to cytoplasm. The serum phosphorous and calcium were elevated, as were the blood urea nitrogen and creatinine.

ABNORMALITIES:

An adult male Bolivian squirrel monkey is presented for necropsy. There is a marked discoloration to the skin of the right side of the face from the level of the middle right masseter muscle below the ramus of the mandible, extending down over the ventrum of the chest at the level of the clavicle. Upon dissection, there is subcutaneous fluid in this area. The fluid is colored yellow/tan. The subcutaneous tissues and fascia are similarly discolored yellow/tan. Dissection of the skin reveals that the cellulitis has spread from the level of the middle of the right masseter muscle beneath the mandible, over to the left mandible, including the ventral thorax to the level of the nipple, to the level of the axilla on the right and left arms. The exact origin of the cellulitis was difficult to pinpoint. There was a chronic grey/white lesion at the base of the tongue at its insertion on the right side. There was also exudate on the right side of the larynx exterior to the larynx, involving the muscles and perilaryngeal fascial tissue including the right thyroid gland. The infection did not seem to originate from any of the teeth. There were prominent intralobular septa in the lungs, probably due to resuscitative attempts. The spleen is pale and the liver is mildly pale. There is bilateral papillary necrosis of the kidneys.

GROSS DIAGNOSIS:

Septicemia, cellulitis, renal papillary necrosis.

57

Necropsy Screen

ID : < 90902> Death Date: 03/03/92
Necropsy Date: <03/03/92 > Sex: F

BAH Destination: NECROPSIED
Age Class: ADULT

[710]

Necropsy#: <27PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	688
Liver:	30.14
Spleen:	1.2500
Lung:	18.3670
Brain:	25.4600
Heart:	4.3560
Left Kidney:	2.7100
Right Kidney:	2.7600
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	26.20
Crown-Heel:	41.40
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	15.00
Femur:	0.00
Tail:	38.60

Check List:	
Bacteriology:	Y
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	Y
Other:	

Cause of Death Code: { 1 }

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	N
Skin:	A
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	A

Abdomen:	
Spleen:	A
Liver:	A
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	N
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	N
Esophagus:	N
Small Int.:	N
Colon:	N
Cecum:	N
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	N
Oviducts:	N
Uterus:	N
Cervix:	N
Vagina:	N
Vulva:	N

Respiration:	
Larynx:	N
Trachea:	A
Thyroids:	N
Bronchi:	A
Pleura:	A
Lungs:	

Coronary:	
Pericardium:	A
Epicardium:	N
Myocardium:	N
Arteries:	N
Vessels:	
Aorta:	N
Venacava:	N
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	N
Bones:	A
Joints:	

Brain:	
Meninges:	N
Grey matter:	N
Pituitary:	N
Brain:	

CLINICAL ABSTRACT:

This animal was received from New York University by Battelle Northwest Laboratories in April of 1989. The animal was shipped from Battelle Northwest to USA in mid September of 1991. This animal has had no previous history of clinical disease. On the morning of 3/03/92 the animal was noted to be down on the floor of the cage, having multiple seizures, paddling, and unaware of her surroundings. The animal was taken to the clinic where she went into respiratory arrest. Chest massage and resuscitative measures were undertaken. The chest was very hard to compress. The animal subsequently tied and went into very rapid rigor.

ABNORMALITIES:

An adult female Bolivian squirrel monkey is presented for necropsy. The animal has a good hair coat and appears to be in good flesh. The very tip of the tail is raw and the vertebral bone is exposed. This animal has very poor teeth with excessive wear of incisors, canines, and molars. The liver and spleen appear to be slightly pale. In the thorax, there is approximately 4 mm of yellow clear fluid with fibrin tags. This fluid is in the left hemithorax. There is thick yellow/white irregular exudate along the pleural surface of the left hemithorax. This exudate also involved the pericardium on the left side. The pericardium is also markedly thickened. The lung lobes of the left hemithorax are pneumonic. These lobes are dark red. They are expanded with very prominent septa. There is grey/green exudate within the bronchi. The right lung lobes are grossly normal.

GROSS DIAGNOSIS:

Fibrinopurulent pleuritis, pericarditis, and pneumonia. Tail trauma. NOTE: Pictures were taken of the lungs both in the thorax and removed. The surface of the lung and the thoracic effusion were cultured for microbiology. The effusion was stained for cytologic and bacterial examination. Cytology of Pleural Effusion This is a purulent exudate with numerous gram positive diplococci.

5

Necropsy Screen

[709]

ID : < 90246> Death Date: 02/27/92
 Necropsy Date: <02/27/92 > Sex: M

BAH Destination: NECROPSIED
 Age Class: ADULT

Necropsy#: <26PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	1052
Liver:	33.70
Spleen:	0.0000
Lung:	6.9300
Brain:	23.0600
Heart:	5.7060
Left Kidney:	4.2700
Right Kidney:	4.5300
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	31.50
Crown-Heel:	49.80
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	15.30
Femur:	0.00
Tail:	18.40

Check List:	
Bacteriology:	Y
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	Y

Cause of Death Code: { 1 }
 [Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	N
Skin:	A
Ab. Viscera:	A
Th. Viscera:	A
Subq Fat:	N

Abdomen:	
Spleen:	A
Liver:	A
Pancreas:	A

Urinary:	
Adrenal:	N
Kidney:	A
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	N
Esophagus:	N
Small Int.:	N
Colon:	N
Cecum:	N
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	N
Epididymis:	N
Prostrate:	N
Penis:	N

Female:	
Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	N
Vessels	
Aorta:	N
Venacava:	N
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	N
Bones:	N
Joints:	

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	

58

CLINICAL ABSTRACT:

This adult male Bolivian was received from Battelle Northwest Laboratories on September 17, 1991. Recently, large mixed male and female groups have been formed. This animal has had its canine teeth clipped. Most recently this animal has been treated for a tail bite at the tip of its tail. On the afternoon of 2/27/92, this animal was found huddled in the hide box at the back of the run. The animal was extremely pale. He was treated symptomatically and subsequently expired at 5:40 p.m. on 2/27/92.

ABNORMALITIES:

An adult male Bolivian squirrel monkey is presented for necropsy. There is a bandage at the tip of the tail. Upon removing the bandage it is noticed that the tail tip has been bitten. There is no blood associated with bite. The vertebra is exposed. This animal has apparently been splenectomized as there is no spleen in the abdomen. The liver is pale, as are the kidneys, pancreas, lungs, and brain. When a blood vessel is cut the resultant blood is very thin and watery. The bone marrow appears adequate.

GROSS DIAGNOSIS:

Severe anemia probably due to acute blood loss. NOTE: Culture was made of heart blood for microbiology. Impression smears were made of the bone marrow, liver, and blood. Cytology Impression smears of the liver revealed numerous neutrophils and immature red blood cells in clumps, suggestive of extramedullary hematopoiesis. Normal maturation sequences were observed in the bone marrow. The myeloid to erythroid ration was 1 to 1.1

Necropsy Screen

[705]

ID : < 90731 > Death Date: 02/19/92
Necropsy Date: < 02/19/92 > Sex: M

BAH Destination: NECROPSIED
Age Class: EDULT

Necropsy#: < 22PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	1222
Liver:	54.55
Spleen:	3.8000
Lung:	25.1300
Brain:	26.8100
Heart:	8.8400
Left Kidney:	5.9300
Right Kidney:	6.0100
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	31.00
Crown-Heel:	49.50
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	17.10
Femur:	0.00
Tail:	40.50

Check List:	
Bacteriology:	Y
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	Y

Cause of Death Code: { 1 }

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	N
Skin:	N
Ab. Viscera:	A
Th. Viscera:	A
Subq Fat:	N

Abdomen:	
Spleen:	A
Liver:	A
Pancreas:	A

Urinary:	
Adrenal:	N
Kidney:	A
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	A
Esophagus:	N
Small Int.:	N
Colon:	N
Cecum:	N
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	N
Epididymis:	N
Prostrate:	N
Penis:	N

Female:	
Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:	
Larynx:	N
Trachea:	A
Thyroids:	N
Bronchi:	A
Pleura:	N
Lungs:	

Coronary:	
Pericardium:	N
Epicardium:	A
Myocardium:	N
Arteries:	N
Vessels:	
Aorta:	N
Venacava:	N
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	N
Bones:	N
Joints:	

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	

CLINICAL ABSTRACT:

This animal was acquired by Battelle Northwest Laboratories on August 1, 1989. The animal was subsequently shipped to USA in September of 1991. This animal has no history of clinical problems neither at Battelle or here at USA. On the morning of 2/19/92 this animal was found dead in its run.

ABNORMALITIES:

This is an adult male Bolivian squirrel monkey. This animal is well fleshed with a thick, luxurious hair coat. There are old bite wounds around the margins of the right ear. The tip of the tail has been chewed so that there is exposed bone. There is no blood associated with this lesion. There is edema, bilateral, of the vas deferens. There is approximately 6 ml of a clear, orange/yellow abdominal transudate. The liver is enlarged, pale yellow brown. The spleen is enlarged and dark red. The pancreas and kidneys appear somewhat pale. There are three small focal hemorrhages on the stomach mucosa. The gastrointestinal tract is relatively empty. There are scant formed feces in the colon. The lungs are wet and heavy with prominent interlobular septa and multifocal dark red areas of consolidation. There is superficial fibrosis of the epicardium of the right ventricle. On expression of the lungs, there is white froth in the trachea.

GROSS DIAGNOSIS:

Acute fulminating bacterial pneumonia confirmed by cytologic examination. NOTE: Impression smears were made of the lung. A culture was taken from the trachea. The following tissues were frozen: liver (2 tubes), spleen, kidney (2 tubes), eye, pituitary, testis (2 tubes).

Necropsy Screen

[768]

ID : < 92015> Death Date: 03/11/92
 Necropsy Date: <03/11/92 > Sex: F

BAH Destination: NECROPSIED
 Age Class: INFANT

Necropsy#: <32PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	88
Liver:	3.08
Spleen:	0.1380
Lung:	2.0320
Brain:	16.5460
Heart:	0.5430
Left Kidney:	0.2890
Right Kidney:	0.3090
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	11.70
Crown-Heel:	17.90
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	7.40
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	Y
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	Y
Other:	

Cause of Death Code: { 2 }
 [Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	A
Skin:	A
Ab. Viscera:	N
Th. Viscera:	A
Subq Fat:	A

Abdomen:	
Spleen:	N
Liver:	N
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	N
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	N
Esophagus:	N
Small Int.:	N
Colon:	N
Cecum:	N
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	N
Oviducts:	N
Uterus:	N
Cervix:	N
Vagina:	N
Vulva:	N

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	N
Vessels:	
Aorta:	
Venacava:	
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	N
Bones:	A
Joints:	

Brain:	
Meninges:	A
Grey matter:	N
Pituitary:	N
Brain:	

62

CLINICAL ABSTRACT:

This female infant was born on 03/10/92 to animal #90779 in run 16 at the PRL. The infant's body weight was 92 grams and its blood glucose was over 60. The animal was ok on morning observations on 03/11/92. On the afternoon observations of 03/11/92, this infant was found down on the floor, non-responsive, temperature less than 94 degrees Fahrenheit, and very cold. Blood glucose measurement was 70. Treatment included warming the animal with a hot water bottle, subcutaneous administration of 5% Dextrose, and oral feeding. Attempts were made to reunite the infant with its mother. These attempts were unsuccessful. The tip of the tail of the infant and the external genitalia appear to have been bitten. The infant was placed in the nursery. It became progressively weaker and very reluctant to feed. The decision was made to euthanize this animal at 8:00 p.m. 03/11/92. The animal was euthanized with an overdose of Sodium Pentobarbital administered intravenously.

ABNORMALITIES:

A female infant Bolivian squirrel monkey is presented for necropsy. This animal has a full and mature hair coat. The tip of the tail for approximately 1 cm is dry and necrotic, and proximal to that, approximately 2 cm, the tail is hyperemic. The external genitalia is also hyperemic and appears to have been bitten. There is a distinct yellow cast to the skin and subcutaneous tissues. There are fat stores both retroperitoneally and around each kidney and adrenal gland. There is a prominent reticulated pattern to the lungs. There is a fracture of the right lateral occipital bone of the skull, ranging from the sagittal suture back to the occipital suture. This fracture is marginally displaced. There is associated diffuse subdural hemorrhage.

Note

The trachea has been cultured for microbiology.

GROSS DIAGNOSIS:

Euthanasia. Skull fracture.

DEPARTMENT OF COMPARATIVE MEDICINE
 Primate Research Laboratory
 Necropsy Report
 AID Owl Monkeys

07/15/92

ID	NECROPSY DATE	DEATH DATE	AGE_CLASS	SEX	SPECIES	SOURCE	DATE RECEIVED	LOG#
80416	01/01/92	01/01/92	ADULT	F	2	BATTELLE	11/15/85	1PL92
<p>Previous blood work is highly suggestive of renal failure, the most prominent gross lesion was the marked dehydration of this animal. NOTE: The cecal mucosa was cultured for bacteriology.</p>								
81603	01/05/92	01/05/92	INFANT	F	2	BATTELLE	07/05/91	2PL92
<p>Malnutrition is the most likely cause of death. This probably resulted from competition from the sire for food following the death of the dam. The father may have rejected this infant following the dam's death. Pneumonia may be a final complication. NOTE: The trachea was cultured for bacteriology. The following tissues were frozen: liver, lung, and tongue.</p>								
81425	01/09/92	01/09/92	YEARLING	F	4	BATTELLE	03/15/90	3PL92
<p>Enteritis, renal failure. NOTE: Smears of scrapings from the rectum, cecum and small intestine were prepared and stained with a Wright stain. The cecum and small intestine were cultured for microbiology. The liver, kidney, and cecum were frozen. Cytology Examination of smears from the cecum and small intestine reveal numerous one celled protozoal organisms both in the trophozoite and cyst form. No protozoa were noticed in the smears from the rectum.</p>								
80154	01/10/92	01/10/92	ADULT	F	3	BATTELLE	05/05/83	5PL92
<p>Sinusitis, renal failure, constipation. Note: The following tissues were cultured: mesenteric lymph nodes, feces, brain and sinuses. The liver and kidney were frozen in liquid nitrogen.</p>								
80376	01/10/92	01/10/92	ADULT	M	2	BATTELLE	02/14/78	4PL92
<p>Enterocolitis and renal shutdown. NOTE: The following tissues were frozen: liver and kidney. The small intestine and cecum were cultured for microbiology.</p>								
80420	01/10/92	01/10/92	ADULT	M	2	BATTELLE	09/06/86	6PL92
<p>Open. CLINICAL DIAGNOSIS: Not established due to the short time course, however, paralysis and paresis has been observed in several of these animals since there arrival here in September and October, 1991.</p>								
80307	01/11/92	01/11/92	ADULT	F	4	BATTELLE	05/01/80	9PL92
<p>Dehydration and typhlocolitis.</p>								
80373	01/11/92	01/11/92	ADULT	M		BATTELLE	06/01/89	8PL92
<p>Typhlocolitis. This animal was dehydrated and the immediate cause of death may have been dehydration and electrolyte imbalance.</p>								
80716	01/11/92	01/11/92	ADULT	F	1	BATTELLE	02/10/87	7PL92
<p>This animal appears to have died from cardiomyopathy.</p>								
81075	01/12/92	01/12/92	ADULT	F	2	BATTELLE	04/30/88	11PL92
<p>Fibrinopurulent peritonitis, septicemia. NOTE: Cultures were taken from the interior of the small intestine, from the peritoneal surface, and from the heart blood. A beta hemolytic E. coli was recovered from the intestine, from the peritoneum, and the heart blood.</p>								
81427	01/12/92	01/12/92	ADULT	M	3	BATTELLE	03/19/90	10PL92
<p>Gastroenteritis and myocarditis.</p>								
80048	01/13/92	01/13/92	ADULT	M	3	BATTELLE	12/27/82	13PL92
<p>Enteritis, cholelithiasis. NOTE: The small intestine was cultured aerobically</p>								

64

for bacteriology and a beta hemolytic E. coli was recovered.

81073 01/20/92 01/20/92 ADULT F 3 BATTELLE 04/29/88 14PL92
Hypoglycemia was probably the terminal event, however, this animal has a history of enteritis and serum chemistry values suggestive of renal failure.

80741 01/23/92 01/23/92 ADULT M 1 BATTELLE 02/10/87 15PL92
Congestive heart failure. NOTE: Impression smears of the liver and spleen were taken for cytologic examination. Cytology is consistent for congestive heart failure.

81598 01/23/92 01/23/92 INFANT M 4 BATTELLE 06/17/91 16PL92
History and lesions are consistent with protein losing enteropathy. CLINICAL DIAGNOSIS The infant appeared to have a variety of problems, the most serious of which was the diarrhea which apparently was the original problem. The loss of both parents was also a major contributing factor to this infant's death.

82011 01/25/92 01/25/92 FETUS M 2 USA 01/25/92 17PL92
This is an abortion, second trimester owl monkey.

84307 01/25/92 01/25/92 INFANT F 2 WELCOME 12/16/91 18PL92
Euthanasia due to parental neglect and trauma.

80711 01/26/92 01/26/92 ADULT F 1 BATTELLE 02/10/87 19PL92
The lesions observed on the heart together with the heart weight (which is greater than 1% of the body weight), and pulmonary and tracheal abnormalities all suggest death by heart failure. Other abnormal observations can be explained by either a brief illness (which would be consistent with heart failure) and/or the amount of postmortem decomposition in this animal.

82012 02/06/92 02/06/92 INFANT M 2 USA 02/03/92 20PL92
Euthanasia. This is a very premature infant which could not have survived. CLINICAL DIAGNOSIS: Premature infant. A contribution cause to this infants illness may have been the diarrhea in the parents during the December months.

84001 02/17/92 02/17/92 ADULT M 2 WELCOME 01/24/92 21PL92
Congestive heart failure, possible cardiomyopathy.

80992 02/24/92 02/24/92 ADULT F 1 BATTELLE 03/04/88 24PL92
Lesions are consistent with congestive heart failure. NOTE: The trachea was cultured for bacteriology.

82014 02/27/92 02/27/92 INFANT M 2 USA 02/27/92 25PL92
This is a neonatal death. Euthanasia, premature infant.

84032 03/03/92 03/03/92 ADULT M 2 WELCOME 04/12/87 28PL92
Renal shutdown and sepsis are indicated by the hematology and serum chemistry test results immediately prior to death. NOTE: The foot wound was cultured for microbiology.

81335 03/05/92 03/05/92 ADULT F 5 BATTELLE 10/25/89 29PL92
Open, however the kidney lesions are suggestive of a renal abnormality.

84036 03/07/92 03/07/92 ADULT M 2 WELCOME 01/24/92 30PL92
Euthanasia, cachexia, chronic non-healing dermatitis.

84044 03/16/92 03/16/92 ADULT F 2 WELCOME 01/24/92 35PL92
Nephrotic syndrome, chronic dissecting aneurysm of the thoracic aorta, euthanasia.

80651 03/30/92 03/30/92 ADULT F 1 BATTELLE 01/29/87 40PL92
Heart failure. NOTE: A culture of the placental uterine interface was made for bacteriology.

65

82018	03/30/92	03/30/92	FETUS	F	1	USA	03/30/92	40B92	In utero death, early stage 3 fetus.

82020	04/12/92	04/11/92	FETUS	F	1	USA	04/11/92	43PL92	The cause of death in this infant was a massive intracranial hemorrhage in the occipital region during or shortly before parturition.
82022	04/20/92	04/20/92	INFANT	F	5	USA	04/16/92	51PL92	The cause of death in this infant was a massive intracranial hemorrhage in the occipital region during or shortly before parturition.

82024	05/03/92	04/26/92	FETUS	U	1	USA	04/26/92	55PL92	Abortion, stage 2.
80163	05/15/92	05/15/92	ADULT	F	3	BATTELLE	07/03/84	74PL92	Renal disease, possible cardiac hypertrophy.
82025	05/19/92	05/18/92	INFANT	M	1	USA	05/11/92	75PL92	Euthanasia, tail trauma, premature live birth.
84048	05/19/92	05/19/92	ADULT	F	2	WELCOME	01/24/92	76PL92	Acute dissecting aneurysm of the thoracic and abdominal aorta, aortic rupture and cardiovascular collapse.
80419	05/22/92	05/22/92	ADULT	F	2	BATTELLE	08/28/86	84PL92	Euthanasia, chronic enterocolitis of unknown origin, anemia, hypoproteinemia, hypophosphatemia.
82015	05/26/92	05/26/92	INFANT	F	3	USA	03/05/92	92PL92	Malnutrition. Apparently the adult female had not been feeding this infant for some time.

82426	06/04/92	06/04/92	ADULT	M	5	UNIV MIAMI	03/31/92	105PL92	Lesions are consistent with right sided heart failure, however, primary liver disease cannot be ruled out at this time.
81350	06/06/92	06/06/92	ADULT	M	5	BATTELLE	10/25/89	108PL92	Hypertrophic cardiomyopathy, chronic renal disease, pulmonary edema.
81465	06/08/92	06/08/92	ADULT	M	1	BATTELLE	06/27/90	110PL92	Pericardial effusion, symphadempathy, pulmonary consolidation.
81419	06/18/92	06/18/92	ADULT	F	99	BATTELLE	03/06/90	117PL92	Euthanasia, severe renal disease, severe regenerative anemia. Large swollen kidneys can be indicative of membranous glomerulonephritis.
82021	06/18/92	06/18/92	INFANT	M	1	USA	04/14/92	119PL92	Death was probably associated with some stress, probably stresses within the family group. This is indicated by the multifocal erosions and ulcerations of the stomach mucosa.
80729	06/25/92	06/25/92	ADULT	M	1	BATTELLE	02/10/87	124PL92	Cardiomyopathy, heart failure.
82030	06/25/92	06/25/92	INFANT	M	1	USA	06/25/92	125PL92	Euthanasia, premature live birth.
80301	06/26/92	06/26/92	ADULT	M	3	BATTELLE	01/10/75	126PL92	Chronic dissecting aneurysm of the thoracic aorta with rupture into the left hemithorax.

Necropsy Screen

[682]

ID : < 80416> Death Date: 01/01/92
Necropsy Date: <01/01/92 > Sex: F

BAH Destination: NECROPSIED
Age Class: ADULT

Necropsy#: <1PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	656
Liver:	22.22
Spleen:	0.4100
Lung:	8.4200
Brain:	18.1400
Heart:	4.7900
Left Kidney:	3.4500
Right Kidney:	3.3200
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	29.00
Crown-Heel:	47.80
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	19.00
Femur:	0.00
Tail:	42.50

Check List:	
Bacteriology:	Y
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: (1)

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	A
Orifices:	N
Skin:	A
Ab. Viscera:	A
Th. Viscera:	N
Subq Fat:	A

Abdomen:	
Spleen:	N
Liver:	N
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	N
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	N
Esophagus:	N
Small Int.:	N
Colon:	N
Cecum:	N
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	N
Oviducts:	N
Uterus:	N
Cervix:	N
Vagina:	N
Vulva:	N

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	N
Vessels:	
Aorta:	N
Venacava:	N
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	N
Bones:	A
Joints:	

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	

CLINICAL ABSTRACT:

This animal has been treated off and on for diarrhea for greater than a month. Treatments have included subcutaneous fluids, oral Gentocin, and Kaopectate. Most currently it has been placed on subcutaneous Lactated Ringers, Bactrim, Dexamamethazone. It's mate died approximately two weeks ago. This animal is survived by an infant. Recent hematology and serum chemistry indicate a mild leukocytosis with a slight left shift, severe hyperphosphatemia, severe hyperglycemia, increased BUN and creatinine measurements, suggestive of renal failure. This animal was found dead in its cage on the morning of 01/01/92.

ABNORMALITIES:

An adult female owl monkey Karyotype II is presented for necropsy. This animal is slightly thin. The subcutaneous tissues are very dry and tacky, and the skin adheres tightly to the underlying tissues. This is suggestive of severe dehydration. There is mild post mortem imbibition of bile in the duodenum and the kidneys. Gastrointestinal contents are scant, composed primarily of mucus. The bones of the skull are very thin and brittle. There are no formed feces.

GROSS DIAGNOSIS:

Previous blood work is highly suggestive of renal failure, the most prominent gross lesion was the marked dehydration of this animal.
NOTE: The cecal mucosa was cultured for bacteriology.

Necropsy Screen

ID : < 81603> Death Date: 01/05/92
 Necropsy Date: <01/05/92 > Sex: F

BAH Destination: NECROPSIED
 Age Class: INFANT

[683]

Necropsy#: <2PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	209
Liver:	8.74
Spleen:	0.3500
Lung:	8.7400
Brain:	14.3900
Heart:	1.1400
Left Kidney:	1.0600
Right Kidney:	1.0300
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	20.00
Crown-Heel:	32.80
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	10.00
Femur:	0.00
Tail:	25.00

Check List:	
Bacteriology:	Y
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: { 1 }

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	A
Skin:	A
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	A

Abdomen:	
Spleen:	A
Liver:	N
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	N
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	A
Rectum:	N
Stomach:	A
Esophagus:	N
Small Int.:	A
Colon:	N
Cecum:	N
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	N
Oviducts:	N
Uterus:	N
Cervix:	N
Vagina:	N
Vulva:	N

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	A
Pleura:	N
Lungs:	

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	N
Vessels	
Aorta:	N
Venacava:	N
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	A
Thoracic:	N

Muscle:	
Muscles:	A
Bones:	A
Joints:	

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	

CLINICAL ABSTRACT:

This infant female Karyotype II owl monkey was born at Battelle Laboratories Northwest on 7/05/91. The infant was transported along with its family group to USA on 10/03/91. There have been numerous illnesses and deaths in room 132, from which this animal comes, over the past month. The mother of this infant died on 12/21/91, however, the infant appeared healthy until this morning. The infant was found comatose on morning observation, glucose did not register and it died during treatment. The tongue had a white mottled appearance. The animal's weight on arrival was 362 grams, it's weight on 11/28/91 was 388 grams, it's death weight was 209 grams.

ABNORMALITIES:

An underweight female infant owl monkey Karyotype II is present for necropsy. There is a decreased muscle mass most noticeable in the legs. There is a wet spot, approximately 3 cm in diameter in the mid dorsum of the back, apparently a site of fluid administration as there is subcutaneous fluid accumulation associated with the wet spot. Skeletal muscles are pale. There is edema of the thymic remnant and of the mediastinum tissues. The lungs are mottled red to black. There is no visible body fat. There is edema of the capsule of the kidneys. The adrenal glands appear to be small. The spleen is pale. There is clear fluid in the stomach. No ingesta in the small intestines. There is ingesta in the cecum which appears to be monkey chow and small orange particles which may be partially digested yams. There are scant formed feces in the rectum. The bones are easily broken. There is abundant dark red bone marrow. There is a white coating to the surface of the tongue, however there are no erosions or ulcers associated with this white coating.

GROSS DIAGNOSIS:

Malnutrition is the most likely cause of death. This probably resulted from competition from the sire for food following the death of the dam. The father may have rejected this infant following the dam's death. Pneumonia may be a final complication. NOTE: The trachea was cultured for bacteriology. The following tissues were frozen: liver, lung, and tongue.

Necropsy Screen

ID : < 81425> Death Date: 01/09/92
 Necropsy Date: <01/09/92 > Sex: F

BAH Destination: NECROPSIED
 Age Class: YEARLING

[684]

Necropsy#: <3PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	453
Liver:	16.19
Spleen:	0.3700
Lung:	5.1900
Brain:	15.2900
Heart:	3.9700
Left Kidney:	2.9800
Right Kidney:	2.9700
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	27.00
Crown-Heel:	44.50
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	14.20
Femur:	0.00
Tail:	32.50

Check List:	
Bacteriology:	Y
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	Y

Cause of Death Code: { 1 }
 [Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	A
Orifices:	A
Skin:	A
Ab. Viscera:	A
Th. Viserca:	N
Subq Fat:	A

Abdomen:	
Spleen:	N
Liver:	N
Pancreas:	A

Urinary:	
Adrenal:	N
Kidney:	N
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	A
Stomach:	A
Esophagus:	N
Small Int.:	A
Colon:	A
Cecum:	A
Anus:	A

Gross Pathology Screen 2:

Male:	
Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	N
Oviducts:	N
Uterus:	N
Cervix:	N
Vagina:	N
Vulva:	N

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	A
Arteries:	A
Vessels:	
Aorta:	A
Venacava:	A
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	N
Bones:	A
Joints:	

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	

CLINICAL ABSTRACT:

This is a colony born Karyotype IV owl monkey. The animal was born at Battelle Northwest Laboratories on March 15, 1990. It arrived at USA on 10/03/91. This monkey has had a history of seizures at Battelle. Seizure activity was not noted at MCRB. The animal developed diarrhea and was markedly depressed on 1/06/92. The animal was treated with Polyvisol, 30 cc Lactated Ringers subcutaneously BID, and 3 cc Neutragel per os TID. Feces were submitted for fecal flotation and for culture and CBC and chemistries were submitted. Few protozoa were seen in the fecal smears. There were no parasites in the fecal flotations. The CBC was within normal limits. Serum chemistries were characterized by a markedly elevated BUN, elevated phosphorous, decreased albumin, slightly decreased total protein, and a creatinine of 1.1. The animal was euthanatized in the evening, approximately 4:30 on 1/09/92 because it was not responding to treatment and was markedly depressed.

ABNORMALITIES:

A young female Karyotype IV owl monkey is submitted for necropsy. This animal is slight and has recently lost weight. There is fecal staining at the base of the tail, however the eyes are not sunken. There is subcutaneous fluid accumulation over the ventral thorax and abdomen, probably due to fluid administration. There is serosal edema of the cecum, colon, and stomach. There is marked hyperemia of the rectal mucosa for approximately 1.5 cm from the anus. There is scant fluid, green ingesta with black flecks in the cecum and colon. The small intestine is moderately hyperemic. Hyperemia is most pronounced in the distal small intestines. The small intestine contains fluid, reddish ingesta, and the intestine is very thin walled and dilated. The pancreas is moderately hyperemic. The duodenum contains foamy, scant, bile stained contents. The stomach has small dark flecks over the mucosal surface.

GROSS DIAGNOSIS:

Enteritis, renal failure. NOTE: Smears of scrapings from the rectum, cecum and small intestine were prepared and stained with a Wright stain. The cecum and small intestine were cultured for microbiology. The liver, kidney, and cecum were frozen. Cytology Examination of smears from the cecum and small intestine reveal numerous one celled protozoal organisms both in the trophozoite and cyst form. No protozoa were noticed in the smears from the rectum.

Necropsy Screen

ID : < 80154> Death Date: 01/10/92
 Necropsy Date: <01/10/92 > Sex: F

BAH Destination: NECROPSIED
 Age Class: ADULT

[586]

Necropsy#: <5PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	847
Liver:	45.47
Spleen:	0.7900
Lung:	8.2000
Brain:	20.5200
Heart:	5.5300
Left Kidney:	5.0700
Right Kidney:	5.3700
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	29.70
Crown-Heel:	48.20
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	15.10
Femur:	0.00
Tail:	47.50

Check List:	
Bacteriology:	Y
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	Y

Cause of Death Code: (1)
 [Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	A
Skin:	N
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	N

Abdomen:	
Spleen:	N
Liver:	A
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	A
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	A
Stomach:	A
Esophagus:	N
Small Int.:	A
Colon:	A
Cecum:	A
Anus:	A

Gross Pathology Screen 2:

Male:	
Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	N
Oviducts:	N
Uterus:	N
Cervix:	N
Vagina:	N
Vulva:	N

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	

Coronary:	
Pericardium:	A
Epicardium:	N
Myocardium:	N
Arteries:	N
Vessels:	
Aorta:	N
Venacava:	N
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	A
Thoracic:	N

Muscle:	
Muscles:	N
Bones:	N
Joints:	

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	

CLINICAL ABSTRACT:

This animal was noticed to be weak and depressed, not eating or drinking, and had no feces and little urine. Treatment began on 1/08/92 including subcutaneous fluids and the antibiotic Ditrin. The animal had a slight hemorrhagic nasal discharge. CBC on this animal was normal. All serum submissions of which there were three, were severally hemolyzed so that serum chemistries could not be performed.

ABNORMALITIES:

An adult female owl monkey in good flesh with a plush hair coat is presented for necropsy. There is a small amount of dark fecal staining around the anus. The kidneys are large, pale tan, and the capsule is tightly adhered to the kidney surface. The liver is slightly enlarged and is congested with blood. The mesenteric lymph nodes are enlarged and very prominent. There are large firm fecal masses in the colon through the rectum, and frequently these fecal masses are associated with multifocal mucosal hemorrhage. The blind end of the cecum is obstipated and there is frank mucosal hemorrhage associated with these firm feces in the blind end of the cecum. The remainder of the fecal contents are clay like. The surface of the brain appeared to be very wet. There are multifocal hemorrhages in the dorsum of both lung lobes, and a blood clot in the pericardial sac which are probably secondary to the method of euthanasia. There is a small amount of crusty material adhered to the nares and there is marked hyperemia of the nasal sinuses.

GROSS DIAGNOSIS:

Sinusitis, renal failure, constipation. Note: The following tissues were cultured: mesenteric lymph nodes, feces, brain and sinuses. The liver and kidney were frozen in liquid nitrogen.

Necropsy Screen

ID : < 80376> Death Date: 01/10/92
 Necropsy Date: <01/10/92 > Sex: M

[685]
 BAH Destination: NECROPSIED
 Age Class: ADULT

Necropsy#: <4PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	747
Liver:	34.26
Spleen:	0.4600
Lung:	8.6100
Brain:	16.0300
Heart:	6.6700
Left Kidney:	3.4100
Right Kidney:	3.3600
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	33.00
Crown-Heel:	53.50
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	16.00
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	Y
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	Y

Cause of Death Code: {1 }

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	N
Skin:	A
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	A

Abdomen:	
Spleen:	A
Liver:	A
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	A
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	A
Stomach:	A
Esophagus:	N
Small Int.:	A
Colon:	A
Cecum:	A
Anus:	A

Gross Pathology Screen 2:

Male:	
Testes:	N
Epididymis:	N
Prostrate:	N
Penis:	N

Female:	
Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	

Coronary:	
Pericardium:	A
Epicardium:	N
Myocardium:	N
Arteries:	N
Vessels:	
Aorta:	N
Venacava:	N
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	A
Thoracic:	N

Muscle:	
Muscles:	N
Bones:	N
Joints:	

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	

1
75

CLINICAL ABSTRACT:

This animal is one of many in room 120 that has experienced diarrhea since 12/13/91. The animal most recently became ill on 1/09/92. Clinical signs include dysentery and depression. The monkey was treated with fluids, vitamins, and supplemental feeding. This animal failed to respond, was markedly depressed and down, and was euthanatized. Hematology and serum chemistry were performed on 1/06/92. The CBC was unremarkable. The animal had an elevated phosphorous, low albumin, low calcium, a creatinine of 4.3, and a BUN of 132. The animal has lost 300 g in the past six weeks.

ABNORMALITIES:

A slightly thin adult male Karyotype II owl monkey is presented for necropsy. This animal has a full plush hair coat. The liver is congested with blood and the gallbladder is full with dark green bile. The bile duct is patent. The spleen is very small and pale. There is a large clot in the pericardial sac. This clot probably occurred secondary to euthanasia. There is an old infarct in the right kidney. The small intestine is hyperemic. The colon is thickened. There is scant fluid ingesta throughout the gastrointestinal tract.

GROSS DIAGNOSIS:

Enterocolitis and renal shutdown. NOTE: The following tissues were frozen: liver and kidney. The small intestine and cecum were cultured for microbiology.

Necropsy Screen

ID : < 80420> Death Date: 01/10/92 BAH Destination: NECROPSIED [687]
 Necropsy Date: <01/10/92 > Sex: M Age Class: ADULT

Necropsy#: <6PL92 > Time: 0 Prosector: SVG

Weights:	
Body:	651
Liver:	22.47
Spleen:	0.4900
Lung:	8.4400
Brain:	16.5300
Heart:	5.5400
Left Kidney:	4.1400
Right Kidney:	4.2100
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	26.50
Crown-Heel:	44.50
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	14.20
Femur:	0.00
Tail:	34.00

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: (1)

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	N
Skin:	N
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	A

Abdomen:	
Spleen:	N
Liver:	A
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	A
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	A
Stomach:	A
Esophagus:	A
Small Int.:	A
Colon:	A
Cecum:	A
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	N
Epididymis:	N
Prostrate:	N
Penis:	N

Female:	
Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	A
Arteries:	N
Vessels	
Aorta:	N
Venacava:	N
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	N
Bones:	N
Joints:	

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	

CLINICAL ABSTRACT:

This male Karyotype II Aotus monkey was shipped from Battelle on September 30, 1991. The animal was housed in room 130. The arrival weight was 714 grams. This animal was born at Battelle Northwest on 9/06/86. On December 11 this animal was partially paralyzed in all its extremities. The animal was given Dexamethasone, Vitamin B complex and appeared improved the following day. No cause was found for this paralysis. A CBC revealed an elevated white blood cell count with a high percentage of lymphocytes. Animal #80420 was paired with animal #80371 on 12/13/91. Later in December the animals had to be separated during fighting. On January 9, 1992 the animals were placed back together again. On morning observations of 1/10/92 this animal was found collapsed in the cage with another animal close by. There was no obvious evidence of trauma on cursory examination. The animal was given emergency treatment with intravenous fluids. During administration of intravenous fluids the animal expired. A CBC and chemistry were collected just prior to death.

ABNORMALITIES:

This is a slightly thin adult male Karyotype II owl monkey. The hair coat is nice with some fecal debris in the coat. The eyes are very prominent. The back of both legs have been clipped. There are small hematomas in both inguinal regions. There is imbibition of bile on the margins of the liver, the cranial poles of both kidneys and at the entrance to the bile duct into the duodenum. The liver is congested with blood and the gall bladder is distended with bright green bile. The bile duct is patent. There is clear fluid in the stomach. There is gaseous distention in the large intestine. There is scant ingesta throughout the gastrointestinal tract. The mesenteric vasculature is permanent. There is esophageal dilation from the larynx to insertion in the stomach. The diameter of the esophagus is approximately 1 cm. There was no ingesta in the esophagus. There was no evidence of a hiatal hernia. There is an amorphous dull red material irregularly streaked on the pericardial sac occupying approximately 10% of the ventral surface. On cross section, there is an area of increased pallor to the myocardium on the interior of the left ventricular free wall. This animal has a chest tattoo, RR224.

GROSS DIAGNOSIS:

Open. **CLINICAL DIAGNOSIS:** Not established due to the short time course, however, paralysis and paresis has been observed in several of these animals since their arrival here in September and October, 1991.

10

Necropsy Screen

ID : < 80307> Death Date: 01/11/92
 Necropsy Date: <01/11/92 > Sex: F

BAH Destination: NECROPSIED [690]
 Age Class: ADULT

Necropsy#: <9PL92 >

Time: 0 Prosector: CRA

Weights:	
Body:	626
Liver:	33.15
Spleen:	0.9100
Lung:	0.0000
Brain:	16.5600
Heart:	5.1000
Left Kidney:	3.0400
Right Kidney:	2.9600
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	0.00
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: (1)
 [Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	A
Orifices:	N
Skin:	A
Ab. Viscera:	A
Th. Viserca:	N
Subq Fat:	A

Abdomen:	
Spleen:	N
Liver:	A
Pancreas:	N

Urinary:	
Adrenal:	
Kidney:	
Ureters:	
Bladder:	

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	A
Esophagus:	N
Small Int.:	A
Colon:	A
Cecum:	A
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	N
Oviducts:	
Uterus:	N
Cervix:	
Vagina:	N
Vulva:	N

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	
Bronchi:	N
Pleura:	N
Lungs:	

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	N
Vessels:	
Aorta:	N
Venacava:	N
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	A
Thoracic:	N

Muscule:	
Muscles:	N
Bones:	N
Joints:	

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	

79

CLINICAL ABSTRACT:

This is an adult female Karyotype III owl monkey. The hair coat on this animal is rough. The skin is tightly adhered to the subcutis. There is no subcuticular fat. There is no abdominal fat observed. The abdominal viscera are dry and sticky. The intestines are rather tightly adherent to the dorsum, giving the abdominal cavity a very sunken appearance. The liver has a distinct reticular pattern and appears rough on its surface. The stomach is empty except for a small amount of mucoid fluid. The small intestines are empty except for a small amount of mucus. The colon and cecum appear to be thickened. There appears to be a small amount of hemorrhage into the lumen. The ileocecal lymph nodes are enlarged and possibly hemorrhagic. The viscera in the abdomen have dry, sticky surfaces. This animal appeared to be dehydrated at death.

ABNORMALITIES:

There are none and this can be deleted.

GROSS DIAGNOSIS:

Dehydration and typhlocolitis.

Necropsy Screen

ID : < 80373> Death Date: 01/11/92 BAH Destination: NECROPSIED [689]
 Necropsy Date: <01/11/92 > Sex: M Age Class: ADULT

Necropsy#: <8PL92 > Time: 0 Prosector: CRA

Weights:
 Body: 683
 Liver: 31.87
 Spleen: 1.3100
 Lung: 8.0500
 Brain: 16.7400
 Heart: 5.3100
 Left Kidney: 3.5800
 Right Kidney: 3.4500
 Left Adrenal: 0.0000
 Right Adrenal: 0.0000
 Thymus: 0.0000

Measurements:
 Crown-Rump: 0.00
 Crown-Heel: 0.00
 Head Circ: 0.00
 Bipar. Diam.: 0.00
 Arm: 0.00
 Femur: 0.00
 Tail: 0.00

Check List:
 Bacteriology:
 Parasitology:
 Urinalysis:
 Biopsy/Cytology:
 Tissues Frozen:
 Tissues Fixed:
 Outgoing Samples:
 Photos:
 Other:

Cause of Death Code: { 1 }
 [Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:
 Haircoat: A
 Orifices: N
 Skin: A
 Ab. Viscera: A
 Th. Viserca: N
 Subq Fat: A

Abdomen:
 Spleen: N
 Liver: N
 Pancreas: N

Urinary:
 Adrenal: N
 Kidney: N
 Ureters:
 Bladder: N

Gasto-Int.:
 Mouth: N
 Tongue: N
 Rectum: N
 Stomach: A
 Esophagus: N
 Small Int.: A
 Colon: A
 Cecum: A
 Anus: N

Gross Pathology Screen 2:

Male:
 Testes: N
 Epididymis:
 Prostrate:
 Penis:

Female:
 Ovaries:
 Oviducts:
 Uterus:
 Cervix:
 Vagina:
 Vulva:

Respiration:
 Larynx: N
 Trachea: N
 Thyroids: N
 Bronchi: N
 Pleura: N
 Lungs:

Coronary:
 Pericardium: N
 Epicardium: A
 Myocardium: N
 Arteries: N
 Vessels
 Aorta: N
 Venacava: N
 Peri. Sac:

Lymph Node:
 Peripheral: N
 Mesenteric: A
 Thoracic: N

Muscle:
 Muscles: N
 Bones: N
 Joints:

Brain:
 Meninges: N
 Greymatter: N
 Pituitary: N
 Brain:

- 81

CLINICAL ABSTRACT:

This is an adult male Aotus Karyotype III owl monkey. This animal had been observed ataxic and weak in the past. He has been on treatment, off and on, since December 1, 1991. He has been treated with Pediolyte SID and Osteoform with his food SID. The animal has been treated in the past for diarrhea. Previous treatment has included Tetracycline, Gentocin, Imodium, and Flagyl. The animal was found dead in his cage this morning.

ABNORMALITIES:

The hair coat of this animal is rough and dry appearing. The skin is tightly adherent to the subcutaneous tissue, indicating that the animal was most likely dehydrated at the time of death. The abdominal viscera are dry and sticky. The animal appears to have been severely dehydrated. The serosal surface of the cecum appears edematous and has a reddish/grey discoloration over its surface, indicating that there may be hemorrhage on the mucosal surface. There is very little subcutaneous fat, however, there was an area in the lower abdominal quadrant that appeared to be saponified fat. This area was dissected away and placed in a cassette for microscopic examination. There is no ingesta throughout the entire tract, with the exception of the cecum. There is a small amount of granular, green ingesta observed in the cecum. The mucosa, the cecum, and the large bowel are reddened and appear to be hyperemic. There is a small amount of hemorrhage into the lumen of the cecum and the proximal colon. Over the left ventricular epicardium there are light tan discolored areas. The lymph nodes at the ileocecal junction are enlarged and hemorrhagic.

GROSS DIAGNOSIS:

Typhlocolitis. This animal was dehydrated and the immediate cause of death may have been dehydration and electrolyte imbalance.

Necropsy Screen

ID : < 80716> Death Date: 01/11/92
 Necropsy Date: <01/11/92 > Sex: F

BAH Destination: NECROPSIED
 Age Class: ADULT

[688]

Necropsy#: <7PL92 >

Time: 0 Prosector: CRA

Weights:	
Body:	863
Liver:	45.57
Spleen:	1.1300
Lung:	22.6000
Brain:	19.7400
Heart:	15.2100
Left Kidney:	0.0000
Right Kidney:	3.9600
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	0.00
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: { 1 }

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	N
Skin:	A
Ab. Viscera:	A
Th. Viscera:	A
Subq Fat:	N

Abdomen:	
Spleen:	N
Liver:	A
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	A
Ureters:	
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	N
Esophagus:	N
Small Int.:	N
Colon:	N
Cecum:	N
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	N
Oviducts:	
Uterus:	N
Cervix:	
Vagina:	N
Vulva:	N

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	

Coronary:	
Pericardium:	A
Epicardium:	N
Myocardium:	A
Arteries:	N
Vessels:	
Aorta:	N
Venacava:	N
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	A
Bones:	
Joints:	

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	

CLINICAL ABSTRACT:

Animal found dead in nest box; was housed with two other animals. Appears to have death wounds prior to death.

ABNORMALITIES:

There was a laceration over the biceps of the left arm. This laceration extended into the biceps's muscle mass and appeared to have occurred antemortem. There is also trauma to the fingers of both hands. The left index finger is traumatized and was bleeding prior to death, as was the index finger of the right hand. The liver was enlarged and displaced. The heart was greatly enlarged and filling most of the thoracic cavity. The liver had a somewhat roughened surface and a slight reticulated appearance. It appeared greatly enlarged and the weight of the liver was 45.57 grams. The kidneys were dark red to purple with numerous yellow/white patches scattered over the surface's of both kidneys. These may have been old infarct's. At this point it is difficult to determine. The stomach is filled with green, granular ingesta, indicating that the animal had eaten well prior to death. The weight of the lungs is 22.6 grams, they are mottled, red in appearance. There is approximately 7 cc of a straw colored, slightly turbid fluid in the pericardial sac. This is pericardial effusion. The pericardial sac surrounds a heart that is greatly enlarged. There is hypertrophy of the myocardium, particularly the left ventricular myocardium. The heart is greatly enlarged.

GROSS DIAGNOSIS:

This animal appears to have died from cardiomyopathy.

24

Necropsy Screen

ID : < 81075> Death Date: 01/12/92
 Necropsy Date: <01/12/92 > Sex: F

[694]
 BAH Destination: NECROPSIED
 Age Class: ADULT

Necropsy#: <11PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	629
Liver:	26.05
Spleen:	0.4720
Lung:	7.8000
Brain:	17.2800
Heart:	3.8970
Left Kidney:	3.7800
Right Kidney:	3.1240
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	0.00
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	Y
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: (1)
 [Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:
Haircoat:
Orifices:
Skin:
Ab. Viscera:
Th. Viserca:
Subq Fat:

Abdomen:
Spleen:
Liver:
Pancreas:

Urinary:
Adrenal:
Kidney:
Ureters:
Bladder:

Gasto-Int.:
Mouth:
Tongue:
Rectum:
Stomach:
Esophagus:
Small Int.:
Colon:
Cecum:
Anus:

Gross Pathology Screen 2:

Male:
Testes:
Epididymis:
Prostrate:
Penis:

Female:
Ovaries:
Oviducts:
Uterus:
Cervix:
Vagina:
Vulva:

Respiration:
Larynx:
Trachea:
Thyroids:
Bronchi:
Pleura:
Lungs:

Coronary:
Pericardium:
Epicardium:
Myocardium:
Arteries:
Vessels:
Aorta:
Venacava:
Peri. Sac:

Lymph Node:
Peripheral:
Mesenteric:
Thoracic:

Muscule:
Muscles:
Bones:
Joints:

Brain:
Meninges:
Greymatter:
Pituitary:
Brain:

Handwritten mark

CLINICAL ABSTRACT:

This animal was shipped from Battelle Northwest Laboratories in September of 1991 and arrived here October 3, 1991. It weighed 966 grams on arrival from Battelle. On 01/05/92 this animal was observed to have diarrhea with mucus and treatment was begun, including 30 ml of Lactated Ringers subcutaneously. The animal weighed 880 grams at this time. Treatment was stopped on 01/07/92 and the animal was observed from that point on. On 01/12/92 this animal was observed to have dyspnea at approximately noon, and it was found dead at 2:00 p.m.

ABNORMALITIES:

An adult female owl monkey was presented for necropsy. This animal was severely dehydrated as indicated by the adherence of the skin to the subcutaneous and muscular tissues and the fact that the eyes are sunken. This animal has peritonitis characterized by yellow/gray exudate on the surface of all the viscera. This exudate is thick and mucoid in appearance. Both ovaries are large and dark.

GROSS DIAGNOSIS:

Fibrinopurulent peritonitis, septicemia. NOTE: Cultures were taken from the interior of the small intestine, from the peritoneal surface, and from the heart blood. A beta hemolytic E. coli was recovered from the intestine, from the peritoneum, and the heart blood.

Necropsy Screen

ID : < 81427> Death Date: 01/12/92
 Necropsy Date: <01/12/92 > Sex: M

[691]
 BAH Destination: NECROPSIED
 Age Class: ADULT

Necropsy#: <10PL92 >

Time: 0 Prosector: CRA

Weights:	
Body:	627
Liver:	25.22
Spleen:	0.5800
Lung:	8.0400
Brain:	18.5800
Heart:	3.7400
Left Kidney:	2.3800
Right Kidney:	2.3600
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	0.00
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: { 1 }
 [Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	A
Orifices:	A
Skin:	N
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	A

Abdomen:	
Spleen:	N
Liver:	N
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	N
Ureters:	
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	A
Stomach:	A
Esophagus:	N
Small Int.:	A
Colon:	A
Cecum:	A
Anus:	A

Gross Pathology Screen 2:

Male:	
Testes:	N
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	

Coronary:	
Pericardium:	N
Epicardium:	A
Myocardium:	A
Arteries:	N
Vessels:	
Aorta:	N
Venacava:	N
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	A
Thoracic:	N

Muscle:	
Muscles:	N
Bones:	N
Joints:	

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	

CLINICAL ABSTRACT:

This is an adult male Karyotype III owl monkey. This animal was started on treatment for dysentery on January 8, 1992. Dr. Abee treated with 35 ml Lactated Ringers solution I.V. and 1.5 ml of Solu-Delta-Cortef on 1/11/92. Pediolyte was also given orally several time on 1/11/92. This animal weighed 946 grams on September 30, 1991. The death weight is 627 grams, indicating that the animal has lost approximately one third of its body weight since it arrived here.

ABNORMALITIES:

The hair coat appears rough and dry. There is approximately a 2 cm segment of dark red to black fecal material adjacent to the anus. The serosal surface of the intestines is very dry and sticky. All abdominal viscera are dry and sticky on their surfaces. There is virtually no mesenteric fat. The intestines are a uniform dark grey color, and appear to have no formed feces and very little in the intestinal lumen. The thoracic viscera are dry and sticky, otherwise they are normal. There is virtually no subcutaneous fat and the subcuticular tissue is tightly adherent to the skin, indicating dehydration at the time of death. There is no formed feces in the rectum. There is a small amount of black, tarry, mucoid material. The stomach has no ingesta in it. The glandular portion of the stomach appears to be thickened and has frank hemorrhage over its entire surface. There appears to be little or no mucosa in the small intestines. The small intestine has no ingesta in it, but there is a small amount of green, black mucoid fluid throughout the small intestine. The colon is somewhat thickened and has a small amount of dark, tarry material in it. The cecum is filled with a dark red to black mucoid material. There appears to be no ingesta in the entire G.I. tract. The entire G.I. tract has been saved for microscopic examination. The kidneys appear small and soft. The gallbladder is filled with bile. When the gallbladder was opened the bile was extremely concentrated and was green to black. The heart appears quite small. The entire surface of the left ventricle is discolored an irregular yellow/tan. This yellow/tan discoloration over the epicardium of the left ventricle extends throughout the myocardium of the left ventricle. The left ventricular space is quite small. The mesenteric lymph nodes appear prominent in the ileocecal area and are dark grey.

GROSS DIAGNOSIS:

Gastroenteritis and myocarditis.

83

Necropsy Screen

ID : < 80048> Death Date: 01/13/92
 Necropsy Date: <01/13/92 > Sex: M

[696]
 BAH Destination: NECROPSIED
 Age Class: ADULT

Necropsy#: <13PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	637
Liver:	30.34
Spleen:	0.6900
Lung:	8.0600
Brain:	15.6800
Heart:	4.2600
Left Kidney:	3.8600
Right Kidney:	4.0800
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	30.70
Crown-Heel:	59.20
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	15.50
Femur:	0.00
Tail:	37.80

Check List:	
Bacteriology:	Y
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: { 1 }

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:
Haircoat:
Orifices:
Skin:
Ab. Viscera:
Th. Viserca:
Subq Fat:

Abdomen:
Spleen:
Liver:
Pancreas:

Urinary:
Adrenal:
Kidney:
Ureters:
Bladder:

Gasto-Int.:
Mouth:
Tongue:
Rectum:
Stomach:
Esophagus:
Small Int.:
Colon:
Cecum:
Anus:

Gross Pathology Screen 2:

Male:
Testes:
Epididymis:
Prostrate:
Penis:

Female:
Ovaries:
Oviducts:
Uterus:
Cervix:
Vagina:
Vulva:

Respiration:
Larynx:
Trachea:
Thyroids:
Bronchi:
Pleura:
Lungs:

Coronary:
Pericardium:
Epicardium:
Myocardium:
Arteries:
Vessels
Aorta:
Venacava:
Peri. Sac:

Lymph Node:
Peripheral:
Mesenteric:
Thoracic:

Muscle:
Muscles:
Bones:
Joints:

Brain:
Meninges:
Greymatter:
Pituitary:
Brain:

CLINICAL ABSTRACT:

This male Aotus Karyotype III was received from Battelle on October 3, 1991. The animal was housed in room 120 which has had many animals with diarrhea during the last month and a half. His weight in late November was 850 g. The age of this animal is unknown, however, records obtained from Battelle go back as far as 1977 for this animal, making him among the oldest animals in the colony. He had no illnesses of record while at Battelle. On 1/12/92 this animal was depressed and had diarrhea. He was treated by Dr. Abee with orange juice and an oral electrolyte replacement therapy. There was no improvement on the afternoon observation. It should be noted that the mate of this animal delivered a premature infant on December 24, 1991 which died on 12/29/91. Animal 80048 was found dead on the morning of 1/13/92. The cause of the diarrhea cases in this room have not been identified. Investigation of this problem is continuing.

ABNORMALITIES:

A well fleshed adult male owl monkey was presented for necropsy. The animal is dehydrated, there is marked hyperemia of the small intestine. The small intestinal contents are gell like. There are scant grainy contents in the cecum and colon, and some of these contents are adhered to the mucosal surface. There is post mortem imbibition of bile at the point of entrance of the bile duct into the duodenum. The gall bladder is shrunken. There are multiple dark rough choleliths within the gallbladder. The gallbladder contains no fluid contents.

GROSS DIAGNOSIS:

Enteritis, cholelithiasis. NOTE: The small intestine was cultured aerobically for bacteriology and a beta hemolytic E. coli was recovered.

Necropsy Screen

[695]

ID : < 81073 > Death Date: 01/20/92 BAH Destination: NECROPSIED
 Necropsy Date: < 01/20/92 > Sex: F Age Class: ADULT

Time: 0 Prosector: SVG

Weights:	
Body:	647
Liver:	24.84
Spleen:	0.7180
Lung:	11.8700
Brain:	17.8600
Heart:	5.5330
Left Kidney:	4.2520
Right Kidney:	4.3650
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	29.00
Crown-Heel:	49.80
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	15.00
Femur:	0.00
Tail:	38.90

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: (1)
 [Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	A
Orifices:	A
Skin:	A
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	A

Abdomen:	
Spleen:	N
Liver:	A
Pancreas:	A

Urinary:	
Adrenal:	N
Kidney:	A
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	A
Stomach:	A
Esophagus:	N
Small Int.:	A
Colon:	A
Cecum:	A
Anus:	A

Gross Pathology Screen 2:

Male:	
Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	N
Oviducts:	N
Uterus:	N
Cervix:	N
Vagina:	N
Vulva:	N

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	

Coronary:	
Pericardium:	N
Epicardium:	A
Myocardium:	N
Arteries:	N
Vessels:	
Aorta:	N
Venacava:	N
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	A
Thoracic:	N

Muscle:	
Muscles:	N
Bones:	N
Joints:	

Brain:	
Meninges:	N
Grey matter:	N
Pituitary:	N
Brain:	

CLINICAL ABSTRACT:

This animal has a history of bloody diarrhea which was first observed on 01/11/92. It was moved from room 132 to the sick room, 148, on the day that the bloody diarrhea was observed. On 01/16/92 this animal was found to have a rectal prolapse with bleeding. Treatment with Kaopectate, oral Gentocin, and subcutaneous Lactated Ringers was initiated, in addition the animal received gatorade with spikes of potassium. The animal appeared to respond very well. On 01/18/92 the animal was up moving around the cage, sitting with its mate, and appeared to have recovered. There was no evidence of diarrhea. On 01/19/92 the animal was down on the floor of the cage, had a glucose of 20, and was markedly dehydrated. Subcutaneous fluid administration, oral Gentamycin, and hand feeding was initiated, however, this animal died on 01/20/92. Hematology and serum chemistry from 01/16/92 has the following abnormalities: this monkey had a low normal hematocrit with target cells, and fragmented erythrocytes observed, as well as 2+ anisocytosis. In addition, the mean corpuscular volume was markedly decreased. The animal also had an elevated BUN, creatinine, and an elevated AST. The phosphorous and calcium were approximately equal, and there was a decreased total protein and a borderline decreased albumin. The serum chemistry changes are suggestive of renal disease.

ABNORMALITIES:

A thin adult female owl monkey is presented for necropsy. No body fat is observed. There is slight subcutaneous accumulation of fluids most likely due to therapeutic fluid administration. There is a blue/green discoloration to the skin of the abdomen. There is imbibition of bile most pronounced on the liver, small intestine, and surface of the kidney. The gallbladder contains congealed bile. The bile has the texture of gelatin. The kidneys are a pale/tan and soft. There are scant gastrointestinal contents throughout the tract. The mesenteric lymph nodes are dark black. There is 1 ml of serosanguinous fluid in the left hemithorax. There is red mottling of the dorsum of the diaphragmatic lobes. The epicardial surface of the heart appears to be edematous.

GROSS DIAGNOSIS:

Hypoglycemia was probably the terminal event, however, this animal has a history of enteritis and serum chemistry values suggestive of renal failure.

Necropsy Screen

ID : < 80741> Death Date: 01/23/92
 Necropsy Date: <01/23/92 > Sex: M

[693]
 BAH Destination: NECROPSIED
 Age Class: ADULT

Necropsy#: <15PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	1057
Liver:	78.58
Spleen:	1.8600
Lung:	13.8470
Brain:	14.0900
Heart:	8.9360
Left Kidney:	5.2400
Right Kidney:	5.0600
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	29.00
Crown-Heel:	47.00
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	16.50
Femur:	0.00
Tail:	47.00

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: (1)
 [Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	N
Skin:	N
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	N

Abdomen:	
Spleen:	A
Liver:	A
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	A
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	N
Esophagus:	N
Small Int.:	N
Colon:	N
Cecum:	N
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	N
Epididymis:	N
Prostrate:	N
Penis:	N

Female:	
Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:	
Larynx:	A
Trachea:	A
Thyroids:	N
Bronchi:	A
Pleura:	A
Lungs:	

Coronary:	
Pericardium:	A
Epicardium:	A
Myocardium:	A
Arteries:	N
Vessels:	
Aorta:	N
Venacava:	N
Peri. Sac:	

Lymph Node:	
Peripheral:	A
Mesenteric:	A
Thoracic:	A

Muscle:	
Muscles:	N
Bones:	N
Joints:	

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	

97

CLINICAL ABSTRACT:

This animal arrived at USA on 10/03/91. The animal was housed in room 140. Body weight on 12/03/91 was 994 grams. The clinical history at Battelle is very limited, consisting of one injury in September of 1990. The animal was wild caught and the age is unknown. This animal was acquired by AID in 1987. 80741 has had no reported illness while at USA. It had no history of malaria infection at Battelle. This animal was found dead on 01/23/92 during the morning observations.

ABNORMALITIES:

An adult male Karyotype I owl monkey is presented for necropsy. There is pronounced fluid distention of the abdomen. 105 ml of serosanguinous fluid was removed from the abdominal cavity. There are a small number of fibrous adhesions between the liver and the peritoneum. The liver is markedly enlarged and is congested with blood. The spleen is slightly enlarged and is pale. The kidneys are congested with blood and have prominent light tan rays within the renal cortex. The mesenteric lymph nodes are prominent and dark black/red. The mesenteric vessels are markedly filled with blood. There is 35 ml of serosanguinous fluid in the thorax. The lungs of the right hemithorax are collapsed and there are numerous adhesions and clots within the right hemithorax. In the left hemithorax there is less fluid, the fluid is not organized, and the lungs are not fully inflated. The hilar lymph nodes are enlarged and red. There is approximately 1 ml of clear yellow fluid in the pericardial sac. The epicardium is pale tan. There is a slight decrease to the left ventricular lumen. The heart is moderately enlarged.

GROSS DIAGNOSIS:

Congestive heart failure. NOTE: Impression smears of the liver and spleen were taken for cytologic examination. Cytology is consistent for congestive heart failure.

94

Necropsy Screen

ID : < 81598> Death Date: 01/23/92
 Necropsy Date: <01/23/92 > Sex: M

[697]
 BAH Destination: NECROPSIED
 Age Class: INFANT

Necropsy#: <16PL92 >

Time: 0 Prosector: SVG

Weights:

Body:	298
Liver:	11.29
Spleen:	0.0000
Lung:	3.0900
Brain:	16.1300
Heart:	2.0000
Left Kidney:	1.3140
Right Kidney:	1.3160
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:

Crown-Rump:	20.10
Crown-Heel:	32.50
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	11.00
Femur:	0.00
Tail:	27.00

Check List:

Bacteriology:	Y
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: {1 }

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:
 Haircoat:
 Orifices:
 Skin:
 Ab. Viscera:
 Th. Viserca:
 Subq Fat:

Abdomen:
 Spleen:
 Liver:
 Pancreas:

Urinary:
 Adrenal:
 Kidney:
 Ureters:
 Bladder:

Gasto-Int.:
 Mouth:
 Tongue:
 Rectum:
 Stomach:
 Esophagus:
 Small Int.:
 Colon:
 Cecum:
 Anus:

Gross Pathology Screen 2:

Male:
 Testes:
 Epididymis:
 Prostrate:
 Penis:

Female:
 Ovaries:
 Oviducts:
 Uterus:
 Cervix:
 Vagina:
 Vulva:

Respiration:
 Larynx:
 Trachea:
 Thyroids:
 Bronchi:
 Pleura:
 Lungs:

Coronary:
 Pericardium:
 Epicardium:
 Myocardium:
 Arteries:
 Vessels
 Aorta:
 Venacava:
 Peri. Sac:

Lymph Node:
 Peripheral:
 Mesenteric:
 Thoracic:

Muscle:
 Muscles:
 Bones:
 Joints:

Brain:
 Meninges:
 Greymatter:
 Pituitary:
 Brain:

95

CLINICAL ABSTRACT:

This Karyotype IV male infant was born on 6/17/91 and arrived here at the Medical Center Research Building on 10/03/91. The animal was housed in room 120 with its mother and its father. On 11/18/91 the father died and on 1/11/92 the mother died. This room has had numerous deaths associated with diarrhea. On 1/11/92 this infant had diarrhea and for the next two weeks continued to have weight loss, dehydration, and a variety of other problems. Despite different types of treatment the infant's condition continued to deteriorate. The infant was paired with another orphaned infant in an attempt to improve its attitude since the infant appeared to be depressed. On approximately 1/22 the infant had facial edema. This resolved after two days, however, the infant continued to be extremely depressed and to lose weight. On 1/25/91 this infant was found dead.

ABNORMALITIES:

An extremely cachectic infant owl monkey was presented for necropsy. This male infant had marked muscle wastage. There were fecal material flecks within the hair coat. The gastrointestinal tract was distended with gas and fluid. The small intestine was thin walled and dilated. The intestinal contents were bile stained. The animal had scant body fat. There were no other remarkable lesions. A culture of the cecum was taken.

GROSS DIAGNOSIS:

History and lesions are consistent with protein losing enteropathy. **CLINICAL DIAGNOSIS** The infant appeared to have a variety of problems, the most serious of which was the diarrhea which apparently was the original problem. The loss of both parents was also a major contributing factor to this infant's death.

Necropsy Screen

ID : < 82011> Death Date: 01/25/92
 Necropsy Date: <01/25/92 > Sex: M

BAH Destination: ABORTION
 Age Class: FETUS

[702]

Necropsy#: <17PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	24
Liver:	0.00
Spleen:	0.0000
Lung:	0.0000
Brain:	0.0000
Heart:	0.0000
Left Kidney:	0.0000
Right Kidney:	0.0000
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	0.00
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: (5)
 [Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:
Haircoat:
Orifices:
Skin:
Ab. Viscera:
Th. Viserca:
Subq Fat:

Abdomen:
Spleen:
Liver:
Pancreas:

Urinary:
Adrenal:
Kidney:
Ureters:
Bladder:

Gasto-Int.:
Mouth:
Tongue:
Rectum:
Stomach:
Esophagus:
Small Int.:
Colon:
Cecum:
Anus:

Gross Pathology Screen 2:

Male:
Testes:
Epididymis:
Prostrate:
Penis:

Female:
Ovaries:
Oviducts:
Uterus:
Cervix:
Vagina:
Vulva:

Respiration:
Larynx:
Trachea:
Thyroids:
Bronchi:
Pleura:
Lungs:

Coronary:
Pericardium:
Epicardium:
Myocardium:
Arteries:
Vessels
Aorta:
Venacava:
Peri. Sac:

Lymph Node:
Peripheral:
Mesenteric:
Thoracic:

Muscule:
Muscles:
Bones:
Joints:

Brain:
Meninges:
Greymatter:
Pituitary:
Brain:

CLINICAL ABSTRACT:

This aborted fetus was found under cages # 11 and 4 in room 1028 MSB. The parents of this fetus are owl monkeys which were recently shipped from Great Britain, arriving at USA on the morning of 01/24/92. The parent female could not be identified. Adult females in both cages were checked for discharges and none were found.

ABNORMALITIES:

The fetus, placental membranes, and placenta were intact. The placenta is bidiscoid and weighs 7.48 grams. The fetus is in the second trimester, well formed, well developed claws, no hair coat, and is very small.

GROSS DIAGNOSIS:

This is an abortion, second trimester owl monkey.

AS

Necropsy Screen

ID : < 84007> Death Date: 01/25/92
 Necropsy Date: <01/25/92 > Sex: F

BAH Destination: HUM_EUTH
 Age Class: INFANT

[704]

Necropsy#: <18PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	148
Liver:	4.33
Spleen:	0.2400
Lung:	4.2100
Brain:	15.2900
Heart:	0.7700
Left Kidney:	0.4900
Right Kidney:	0.5300
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	15.50
Crown-Heel:	23.50
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	6.50
Femur:	0.00
Tail:	17.50

Check List:	
Bacteriology:	Y
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: { 2 }

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	A
Orifices:	A
Skin:	A
Ab. Viscera:	N
Th. Viserca:	A
Subq Fat:	A

Abdomen:	
Spleen:	N
Liver:	N
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	N
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	N
Esophagus:	N
Small Int.:	N
Colon:	N
Cecum:	N
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	N
Oviducts:	N
Uterus:	N
Cervix:	N
Vagina:	N
Vulva:	N

Respiration:	
Larynx:	N
Trachea:	A
Thyroids:	N
Bronchi:	A
Pleura:	N
Lungs:	

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	N
Vessels	
Aorta:	N
Venacava:	N
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	A
Bones:	N
Joints:	

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	

99

CLINICAL ABSTRACT:

This infant was born at the Wellcome Foundation in the United Kingdom on 12/16/91. The parents of this infant are 15C male and 112D female from cage #55. This infant became sick during shipment from the United Kingdom. It was separated from its parents and supplemented. Efforts to put it back with its parents were unsuccessful. On the morning of 1/25/92 the animal was euthanized. The animal received Ketamine IM for anesthesia and then intracardial pentobarbital for euthanasia.

ABNORMALITIES:

An infant female owl monkey is presented for necropsy. The eyes are very prominent, in fact they appear to be bulging. There is hyperemia of the face and the skin of both arms. The upper lip is torn. There are multifocal small bruises and hemorrhages on the musculature and subcutaneous tissues of the forearm and the thighs. There are multifocal, small petechia throughout the lung lobes.

GROSS DIAGNOSIS:

Euthanasia due to parental neglect and trauma.

Necropsy Screen

ID : < 80711> Death Date: 01/26/92
 Necropsy Date: <01/26/92 > Sex: F

BAH Destination: NECROPSIED
 Age Class: ADULT

[698]

Necropsy#: <19PL92 >

Time: 0 Prosector: AGB

Weights:

Body:	0
Liver:	0.00
Spleen:	0.0000
Lung:	0.0000
Brain:	0.0000
Heart:	0.0000
Left Kidney:	0.0000
Right Kidney:	0.0000
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:

Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	0.00
Femur:	0.00
Tail:	0.00

Check List:

Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: { 1 }

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:

Haircoat:	
Orifices:	
Skin:	
Ab. Viscera:	
Th. Viserca:	
Subq Fat:	A

Abdomen:

Spleen:	
Liver:	
Pancreas:	

Urinary:

Adrenal:	
Kidney:	
Ureters:	
Bladder:	

Gasto-Int.:

Mouth:	
Tongue:	
Rectum:	
Stomach:	
Esophagus:	
Small Int.:	
Colon:	
Cecum:	
Anus:	

Gross Pathology Screen 2:

Male:

Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:

Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:

Larynx:	
Trachea:	A
Thyroids:	
Bronchi:	
Pleura:	
Lungs:	

Coronary:

Pericardium:	
Epicardium:	
Myocardium:	A
Arteries:	
Vessels:	
Aorta:	
Venacava:	
Peri. Sac:	

Lymph Node:

Peripheral:	
Mesenteric:	
Thoracic:	

Muscle:

Muscles:	
Bones:	
Joints:	

Brain:

Meninges:	A
Greymatter:	
Pituitary:	
Brain:	

101

CLINICAL ABSTRACT:

File records for this animal were not available at the time of this report. This is a female Karyotype I Aotus. This animal was not observed to be ill during morning observations, however, it was found a short time later dead in its cage. The animal has no history of illness since its arrival in early October. This animal was housed in room 116.

ABNORMALITIES:

The intestine has a moderate amount of ingesta in it. The spleen is enlarged. The lungs are diffusely dark red with lighter pink around the margins. The heart has a pale, 1.5 cm diameter area at the apex and a 1 cm segment of the ventricular wall on the sternal surface. There is bile staining of the liver serosa. The abdominal wall has a slight green tint to it. The gallbladder is full but not distended. The margins of the liver are dark with central parenchymal areas a paler red. The kidneys are enlarged and are stained on the caudal pole and pale on the cranial pole. The trachea is filled with foamy fluid. The lungs are perfused with formalin. The postmortem interval appears to be greater than eight hours, which raises the question as to why this animal was not observed on morning observation. There is approximately 1 cc of clear yellow fluid in the pericardial sac. Mesenteric lymph nodes are dark but of normal size. The animal is quite thin with no internal mesenteric, perirenal or other fat. There is a moderate amount of ingesta in the intestine and some food material in the stomach. None of the colon contents are formed and the colon is dark. Subcutaneous tissues are moderately dehydrated. The bladder is empty. An inquiry to the supervisor confirms that this animal's water valve was working at the time the death was discovered.

GROSS DIAGNOSIS:

The lesions observed on the heart together with the heart weight (which is greater than 1% of the body weight), and pulmonary and tracheal abnormalities all suggest death by heart failure. Other abnormal observations can be explained by either a brief illness (which would be consistent with heart failure) and/or the amount of postmortem decomposition in this animal.

Necropsy Screen

ID : < 82012> Death Date: 02/06/92
 Necropsy Date: <02/06/92 > Sex: F

BAH Destination: HUM EUTH
 Age Class: INFANT

[703]

Necropsy#: <20PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	53
Liver:	0.00
Spleen:	0.0000
Lung:	0.0000
Brain:	0.0000
Heart:	0.0000
Left Kidney:	0.0000
Right Kidney:	0.0000
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	0.00
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: (2)

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	A
Orifices:	N
Skin:	N
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	N

Abdomen:	
Spleen:	N
Liver:	N
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	N
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	A
Esophagus:	A
Small Int.:	A
Colon:	A
Cecum:	A
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	N
Epididymis:	N
Prostrate:	N
Penis:	N

Female:	
Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	N
Vessels	
Aorta:	N
Venacava:	N
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	N
Bones:	N
Joints:	

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	

103

CLINICAL ABSTRACT:

This infant was born on 2/03/92 to parents who resided in room 120 at the medical center research building. In December this room had serious problems with diarrhea that was believed to be due to a enteropathogenic E.coli. This infant appeared small at birth and had very little hair. The parents were not disturbed during the first few days of life. During this time the infant appeared to be doing well, however, on 2/06/92 this infant was found on the bottom of the cage. The decision was made to euthanatize the infant. The body weight at death was 54 grams which is extremely low for an Aotus infant.

ABNORMALITIES:

This male owl monkey infant is premature as indicated by his low body weight. The hair coat is sparse. The intestines are hyperemic and gas-filled. The stomach is small and empty. The lungs are bright pink. There are no other remarkable lesions.

GROSS DIAGNOSIS:

Euthanasia. This is a very premature infant which could not have survived. **CLINICAL DIAGNOSIS:** Premature infant. A contribution cause to this infants illness may have been the diarrhea in the parents during the December months.

104

Necropsy Screen

ID : < 84001> Death Date: 02/17/92
 Necropsy Date: <02/17/92 > Sex: M

BAH Destination: NECROPSIED
 Age Class: ADULT

[706]

Necropsy#: <21PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	1290
Liver:	76.74
Spleen:	3.6000
Lung:	24.2500
Brain:	19.0000
Heart:	12.3500
Left Kidney:	3.2300
Right Kidney:	3.3300
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	30.50
Crown-Heel:	51.90
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	14.60
Femur:	0.00
Tail:	44.50

Check List:	
Bacteriology:	Y
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: (1)
 [Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	A
Skin:	A
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	A

Abdomen:	
Spleen:	A
Liver:	A
Pancreas:	N

Urinary:	
Adrenal:	A
Kidney:	A
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	N
Esophagus:	N
Small Int.:	A
Colon:	A
Cecum:	A
Anus:	A

Gross Pathology Screen 2:

Male:	
Testes:	N
Epididymis:	N
Prostrate:	N
Penis:	N

Female:	
Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	

Coronary:	
Pericardium:	A
Epicardium:	A
Myocardium:	A
Arteries:	N
Vessels:	
Aorta:	A
Venacava:	N
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	N
Thoracic:	A

Muscle:	
Muscles:	N
Bones:	N
Joints:	

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	

10

CLINICAL ABSTRACT:

This adult male *Aotus lemurinus grisiembra* arrived from Burroughs Welcome facility in the United Kingdom on January 24, 1992. There have been no clinical problems with this animal since his arrival at USA. On February 16, 1992 this animal was found down in the bottom of the cage. Body temperature was 99 degrees Fahrenheit. Strip glucose test was 20. There was dark red blood beneath the cage and on the animal around the anus and the perineal region. When the rectal thermometer was withdrawn there was also considerable blood on the thermometer. On physical examination this animal had marked scrotal edema, slight facial edema, and a markedly enlarged liver by transabdominal palpation. The animal was treated symptomatically for congestive heart failure and possible hemorrhagic enteritis. The animal received oral and subcutaneous Gentamycin, subcutaneous Lactated Ringers, subcutaneous Lasix, and oral Gatorade and other food supplementation. The animal failed to improve significantly and on the morning of 2/17/92 was found dead in its cage.

ABNORMALITIES:

This is a well fleshed adult male *Aotus lemurinus grisiembra*. The hair coat is thick and luxurious. There is dark red/black fecal material around the anus. There is pronounced subcutaneous edema over the entire body. It is most pronounced in the region of the salivary gland and the scrotum. The subcutaneous edema thickened the tissue to approximately 4 mm. This animal had a very large area of loose skin beneath the chin, very similar to a dewlap in a rabbit. In the abdominal cavity, the liver is markedly enlarged, it is mottled dark red to tan, the surface is irregular, almost cobblestone, and the liver has rounded margins. The kidneys are small yellow/tan with an irregular cortical surface. There are pinpoint red foci on the surface of the kidney. The adrenal glands are also small. The spleen is enlarged and dark red. There is dark red hemorrhage in the anterior small intestine and throughout the cecum and colon. This hemorrhage is of the "blackberry jam" consistency. There are petechia along the serosa of the small intestine. The petechia are rare. There is approximately 20 cc of serosanguinous fluid in the abdomen. In the thorax, the heart is markedly enlarged. The lungs are wet, heavy, and partially collapsed. There is multifocal dark brown pigmentation along the dorsal surface of the lungs. There is clear yellow fluid in the pericardial sac. The heart weighs greater than one percent of the body weight, however, it appears to be a generalized cardiomegaly. There is a slight dilatation of the aortic arch. There are fatty streaks along the intimal surface of the aorta.

GROSS DIAGNOSIS:

Congestive heart failure, possible cardiomyopathy.

Necropsy Screen

ID : < 80992> Death Date: 02/24/92
 Necropsy Date: <02/24/92 > Sex: F

BAH Destination: NECROPSIED [708]
 Age Class: ADULT

Necropsy#: <24PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	1063
Liver:	88.69
Spleen:	2.8900
Lung:	21.6300
Brain:	15.4900
Heart:	9.1000
Left Kidney:	5.3900
Right Kidney:	5.1100
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	30.00
Crown-Heel:	48.40
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	14.80
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	Y
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: {1 }
 [Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	N
Skin:	A
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	A

Abdomen:	
Spleen:	A
Liver:	A
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	A
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	N
Esophagus:	N
Small Int.:	A
Colon:	A
Cecum:	A
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	N
Oviducts:	N
Uterus:	N
Cervix:	N
Vagina:	N
Vulva:	N

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	A
Bronchi:	A
Pleura:	A
Lungs:	

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	N
Vessels:	
Aorta:	A
Venacava:	N
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	A
Thoracic:	A

Muscle:	
Muscles:	A
Bones:	N
Joints:	

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	

007

CLINICAL ABSTRACT:

This animal arrived with the second shipment from Battelle Laboratories Northwest on October 17, 1991. Its weight in November of 1991 was 928 grams. This has been a very excitable animal, and it may have had an episode of syncope three months ago when its cage was changed. There is no previous report of illness from Battelle or here. The animal was acquired by Battelle in 1988. This animal was found dead during the morning observation of 2/24/92.

ABNORMALITIES:

An adult female Karyotype I owl monkey is presented for necropsy. This is a well fleshed monkey with a plush hair coat. The tail has been partially amputated sometime in its history. There is fluid distention of the abdomen. There is a tattoo on the abdomen. This was dissected and saved in formalin, as was the leg tattoo designating the AID number. There is 25 ml of serosanguinous abdominal effusion. There is marked hepatomegaly and moderate splenomegaly. The kidneys are firm, gritty, mottled gray/red. There are numerous fibrinous adhesions between the viscera and the peritoneum. In the thorax, there is serosanguinous pleural effusion, approximately 10 ml in volume. There are fibrinous adhesions between the lungs and pleura. The lungs are collapsed, plum colored and heavy. The lungs floated beneath the surface of the formalin when they were fixed. The heart is somewhat enlarged, however it does weigh less than 1% of the body weight. The thyroids appear to be grossly enlarged.

GROSS DIAGNOSIS:

Lesions are consistent with congestive heart failure. NOTE: The trachea was cultured for bacteriology.

Necropsy Screen

ID : < 82014> Death Date: 02/27/92
 Necropsy Date: <02/27/92 > Sex: M

BAH Destination: HUM EUTH
 Age Class: INFANT

[714]

Necropsy#: <25PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	58
Liver:	3.31
Spleen:	0.0900
Lung:	2.1400
Brain:	5.5600
Heart:	0.5200
Left Kidney:	0.2000
Right Kidney:	0.2000
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	10.00
Crown-Heel:	16.50
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	6.30
Femur:	0.00
Tail:	11.80

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: { 2 }

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	A
Orifices:	N
Skin:	N
Ab. Viscera:	N
Th. Viserca:	A
Subq Fat:	N

Abdomen:	
Spleen:	N
Liver:	N
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	N
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	A
Esophagus:	N
Small Int.:	A
Colon:	A
Cecum:	A
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	N
Epididymis:	N
Prostrate:	N
Penis:	N

Female:	
Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	N
Vessels:	
Aorta:	N
Venacava:	N
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	N
Bones:	N
Joints:	

Brain:	
Meninges:	N
Grey matter:	N
Pituitary:	N
Brain:	

109

CLINICAL ABSTRACT:

The mother of this animal arrived from England on January 24, 1992 and has had no history of problems since she has been here. This infant was delivered on the morning of 2/27/92. The infant was extremely small and could not hold on to its mother. The decision was made to euthanize this infant. On the afternoon of 2/27/92 the animal was euthanized by administration of Ketamine intramuscularly and Pentobarbital by the intracardiac route.

ABNORMALITIES:

A small male one day old infant owl monkey is presented for necropsy. This monkey is tentatively identified as a Karyotype II until the United Kingdom monkeys can be fully Karyotyped. The hair coat of this infant is very sparse over the legs, which is an indication of its immaturity, as is the low body weight. The intestinal tract, including the stomach, is distended with gas and has a yellowish color. There is no milk in the stomach. There is meconium still retained in the rectum. The lungs are a dark plum color and sank when placed in formalin. No other abnormalities were noted.

GROSS DIAGNOSIS:

This is a neonatal death. Euthanasia, premature infant.

Necropsy Screen

ID : < 84032> Death Date: 03/03/92 BAH Destination: NECROPSIED [711]
 Necropsy Date: <03/03/92 > Sex: M Age Class: ADULT

Necropsy#: <28PL92 > Time: 0 Prosector: SVG

Weights:	
Body:	1038
Liver:	27.05
Spleen:	0.9400
Lung:	8.4500
Brain:	19.4900
Heart:	6.8500
Left Kidney:	4.2000
Right Kidney:	4.4200
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	29.00
Crown-Heel:	50.80
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	14.50
Femur:	0.00
Tail:	38.00

Check List:	
Bacteriology:	Y
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: { 1 }
 [Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	N
Skin:	A
Ab. Viscera:	N
Th. Viserca:	N
Subq Fat:	A

Abdomen:	
Spleen:	N
Liver:	N
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	N
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	N
Esophagus:	N
Small Int.:	N
Colon:	N
Cecum:	N
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	N
Epididymis:	N
Prostrate:	N
Penis:	N

Female:	
Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	N
Vessels:	
Aorta:	N
Venacava:	N
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	A
Bones:	A
Joints:	

Brain:	
Meninges:	N
Grey matter:	N
Pituitary:	N
Brain:	

CLINICAL ABSTRACT:

This animal was born in captivity in the United Kingdom in 1987. The animal was shipped to the USA in January of 1992. On the morning of 3/02/92 this animal was observed lying on the cage floor but otherwise alert. When the animal was examined it was discovered that he had a compound fracture of the right foot. Subsequently a partial amputation of the distal portion of the foot was undertaken because of substantial infection at the fracture site. The animal was treated with Bactrim and subcutaneous fluids. On the morning of 3/03/92 the animal was down in its cage, cold, and non-responsive. Blood was collected for a CBC and serum chemistry. The white count was 1,500 with the prominent cell being a neutrophil. These neutrophils were abnormal and appeared to be toxic. Serum chemistries indicated a markedly elevated blood urea nitrogen, a markedly elevated creatinine, a markedly elevated phosphorous, and a very low serum calcium. Supportive therapy was continued. The antibiotic was switched to Rocephin, however at twelve noon this animal was found dead in its cage.

ABNORMALITIES:

A young adult male owl monkey *Aotus lemurinus grisiembra* is presented for necropsy. This animal has a chest tattoo, 214GB. The right foot is heavily bandaged. Upon removing the bandage no exudate or discharge was observed from the amputation site. The lymph nodes that drained the area appeared to be normal. The animal was incredibly fat with heavy subcutaneous, peritoneal, and intrathoracic fat stores. No other remarkable lesions were noted during necropsy.

GROSS DIAGNOSIS:

Renal shutdown and sepsis are indicated by the hematology and serum chemistry test results immediately prior to death. NOTE: The foot wound was cultured for microbiology.

Necropsy Screen

[712]

ID : < 81335> Death Date: 03/05/92
 Necropsy Date: <03/05/9? > Sex: F

BAH Destination: NECROPSIED
 Age Class: ADULT

Necropsy#: <29PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	664
Liver:	31.26
Spleen:	0.6900
Lung:	7.7100
Brain:	19.2700
Heart:	7.0800
Left Kidney:	3.6100
Right Kidney:	3.8900
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	27.00
Crown-Heel:	46.50
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	14.30
Femur:	0.00
Tail:	37.00

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: (0)

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	N
Skin:	N
Ab. Viscera:	A
Th. Viserca:	N
Subq Fat:	A

Abdomen:	
Spleen:	A
Liver:	A
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	A
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	A
Stomach:	A
Esophagus:	N
Small Int.:	A
Colon:	A
Cecum:	A
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	N
Oviducts:	N
Uterus:	N
Cervix:	N
Vagina:	N
Vulva:	N

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronch.:	N
Pleura:	N
Lungs:	

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	N
Vessels	
Aorta:	N
Venacava:	N
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	A
Bones:	N
Joints:	

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	

CLINICAL ABSTRACT:

This adult female Karyotype V owl monkey was acquired from Iquitos, Peru in October of 1989. On October 17, 1991 it was moved from Battelle Northwest Laboratories to the University of South Alabama. In late December of 1991 this animal had a period of ataxia. It was treated symptomatically with subcutaneous fluid and observed for approximately 10 days. CBC and chemistry results from this time period were normal. This animal was observed to be active and alert yesterday. This morning it was found dead in the bottom of its cage. In reviewing the weight data, this monkey has lost over 100 grams in the past two months.

ABNORMALITIES:

An adult female Karyotype V owl monkey with a plush hair coat is presented for necropsy. This animal is still in good flesh despite its weight loss over the past two months. The teeth are sharp and clean, suggestive that this is a young adult animal. The gums are purple to red. The skeletal musculature is pale. The mammary glands are active. There is hard, compressed fecal material in the cecum and colon, some of which is covered with mucus. There is scant ingesta in the upper gastrointestinal tract. In the stomach, the mucosal rugae are prominent and are moderately hyperemic. There is postmortem imbibition of bile on the margins of the liver, the serosa of the duodenum and jejunum, and the stomach. The gallbladder is full, however there is no blockage to the bile duct. The kidneys are pale tan. The cortex appears to be speckled with a darker red/brown color. On cut section, the cortex is very pale, whereas the medulla appears to be normal.

GROSS DIAGNOSIS:

Open, however the kidney lesions are suggestive of a renal abnormality.

114

Necropsy Screen

[713]

ID : < 84036 > Death Date: 03/07/92 BAH Destination: NECROPSIED
 Necropsy Date: < 03/07/92 > Sex: M Age Class: ADULT

Necropsy#: < 30PL92 > Time: 0 Prosector: SVG

Weights:	
Body:	658
Liver:	22.30
Spleen:	0.5900
Lung:	7.2900
Brain:	19.1000
Heart:	5.8100
Left Kidney:	3.7400
Right Kidney:	3.8100
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	32.00
Crown-Heel:	52.00
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	14.50
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	Y
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: (2)
 [Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	N
Skin:	A
Ab. Viscera:	N
Th. Viserca:	N
Subq Fat:	A

Abdomen:	
Spleen:	N
Liver:	A
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	N
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	N
Esophagus:	N
Small Int.:	N
Colon:	A
Cecum:	A
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	N
Epididymis:	N
Prostrate:	N
Penis:	N

Female:	
Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	N
Vessels:	
Aorta:	N
Venacava:	N
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	N
Bones:	A
Joints:	

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	

15

CLINICAL ABSTRACT:

On the morning of March 7, 1992 this animal was found down in its cage. It was weak and cold with a body temperature of 96 degrees Fahrenheit. It was treated with subcutaneous Lactated Ringers. Efforts were made to try to get the animal to drink Gatorade, but it was reluctant to drink Gatorade. On observation by the veterinarian, the animal was very weak, cachectic, and non-responsive to its environment and the decision was made to euthanize the monkey. The animal received an overdose of Ketamine and Sodium Pentobarbital intracardiac.

ABNORMALITIES:

The body of a cachectic Karyotype III male owl monkey is presented for necropsy. The vertebra are very prominent. The tail appears to have been partially amputated. The amputation site is dry, black and necrotic, resembling dry gangrene. Multiple lesions are beneath the Vetwrap bandage. The back lesion was about 3.5 by 2 centimeters. It was an area of eroded and ulcerated skin covered with nitrofurazone spray. There is a corresponding lesion on the ventral abdomen just below the xiphoid process. This is a circular lesion approximately 2 cm in diameter, again, topically treated with the nitrofurazone spray, and there appears to be blue discoloration of the skin around the lesion. There is mild subcutaneous edema probably due to subcutaneous fluid administration. The animal still maintained some body fat despite its recent weight loss. The stomach contains fruit pulp. There is scant amount of ingesta in the small intestine. There is green to black ingesta in the cecum and colon. This ingesta is very fetid.

GROSS DIAGNOSIS:

Euthanasia, cachexia, chronic non-healing dermatitis.

Necropsy Screen

[719]

ID : < 84044> Death Date: 03/16/92
 Necropsy Date: <03/16/92 > Sex: F

BAH Destination: HUM EUTH
 Age Class: ADULT

Necropsy#: <35PL92 >

Time: 0 Prosector: SVG

Weights:

Body:	952
Liver:	30.84
Spleen:	0.4510
Lung:	11.8550
Brain:	17.4000
Heart:	8.2960
Left Kidney:	3.5270
Right Kidney:	3.3350
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:

Crown-Rump:	31.30
Crown-Heel:	50.10
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	14.50
Femur:	0.00
Tail:	0.00

Check List:

Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	Y
Other:	Y

Cause of Death Code: { 2 }

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:

Haircoat:	A
Orifices:	A
Skin:	A
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	A

Abdomen:

Spleen:	N
Liver:	N
Pancreas:	N

Urinary:

Adrenal:	N
Kidney:	A
Ureters:	N
Bladder:	N

Gasto-Int.:

Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	N
Esophagus:	N
Small Int.:	N
Colon:	A
Cecum:	A
Anus:	N

Gross Pathology Screen 2:

Male:

Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:

Ovaries:	N
Oviducts:	N
Uterus:	N
Cervix:	N
Vagina:	N
Vulva:	N

Respiration:

Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	

Coronary:

Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	A
Vessels:	
Aorta:	A
Venacava:	N
Peri. Sac:	

Lymph Node:

Peripheral:	N
Mesenteric:	A
Thoracic:	A

Muscle:

Muscles:	N
Bones:	N
Joints:	

Brain:

Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	

117

CLINICAL ABSTRACT:

This owl monkey was part of the shipment from Great Britain. Prior to last week it was not noted to have any clinical problems. On 3/10/92 this monkey was reported to have mild facial edema. Complete blood count revealed that the animal had hemolytic anemia and the serum chemistry results were consistent with severe renal disease; elevated BUN, creatinine, elevated phosphorous, normal calcium, and low total protein and albumin. Serum chemistry was repeated the next day and the results confirmed renal disease, as well as a elevated creatine kinase. The facial edema became progressively worse over the weekend, March 14 and 15, the animal's treatment was expanded to include BID treatment with Lasix. The edema was not responsive to the Lasix, the animal was depressed, reluctant to move, and had pitting edema, and the decision was made to euthanize this monkey. The animal received an overdose of 4/10 ml Ketamine and 1/10 ml Rompun administered subcutaneously. The animal was subsequently exsanguinated from the heart and euthanized with an overdose of Sodium Pentobarbital administered intracardiac.

ABNORMALITIES:

An adult female *Aotus lemurinus griseimembra* is presented for necropsy. The hair coat is dull and matted. The animal is in poor condition. The vertebrae and spine are prominent. This animal has marked facial edema, as well as pitting edema of the hands, feet, and legs. There is evidence of previous bite wounds, all of which have healed, involving the nose and the left upper eye lid. On dissection, clear, light yellow fluid runs freely from the subcutaneous tissues. This severe subcutaneous edema fluid is present all over the body. The kidneys are pale with an irregular pebbly surface with multifocal dark red foci less than one mm in diameter. There is serosal edema of the large intestine. The contents of the cecum and colon are dark red/black and fluid. In the thorax, the aorta is tortuous and distended from its outlet to the diaphragm. The maximum point of distention is at the proximal thoracic aorta. At this point of distention, there is a dissecting aortic aneurysm. The tissues at this point is hard to cut, gritty, and mineralized. There is dark brown crumbly material between the intima and media of the aorta, approximately 3 cm of the aorta is involved in the dissection. The intimal surface of the aorta is irregular and streaked with a fatty plaque. This irregular streaking includes portions of the abdominal aorta. There is multifocal mild petechiation of the lung lobes. The thoracic lymph nodes are red and prominent. The mesenteric lymph nodes are edematous.

GROSS DIAGNOSIS:

Nephrotic syndrome, chronic dissecting aneurysm of the thoracic aorta, euthanasia.

Necropsy Screen

ID : < 80651> Death Date: 03/30/92 BAH Destination: NECROPSIED [723]
 Necropsy Date: <03/30/92 > Sex: F Age Class: ADULT

Necropsy#: <40PL92 > Time: 0 Prosector: SVG

Weights:
 Body: 1068
 Liver: 64.45
 Spleen: 2.5300
 Lung: 7.4500
 Brain: 18.8200
 Heart: 9.4190
 Left Kidney: 6.9800
 Right Kidney: 6.9200
 Left Adrenal: 0.0000
 Right Adrenal: 0.0000
 Thymus: 0.0000

Measurements:
 Crown-Rump: 27.50
 Crown-Heel: 46.00
 Head Circ: 0.00
 Bipar. Diam.: 0.00
 Arm: 16.00
 Femur: 0.00
 Tail: 38.80

Check List:
 Bacteriology: Y
 Parasitology:
 Urinalysis:
 Biopsy/Cytology:
 Tissues Frozen:
 Tissues Fixed: Y
 Outgoing Samples:
 Photos:
 Other:

Cause of Death Code: { 1 }
 [Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:
 Haircoat: N
 Orifices: N
 Skin: N
 Ab. Viscera: A
 Th. Viserca: A
 Subq Fat: N

Abdomen:
 Spleen: A
 Liver: A
 Pancreas: N

Urinary:
 Adrenal: N
 Kidney: N
 Ureters: N
 Bladder: N

Gasto-Int.:
 Mouth: N
 Tongue: N
 Rectum: N
 Stomach: A
 Esophagus: N
 Small Int.: A
 Colon: A
 Cecum: A
 Anus: N

Gross Pathology Screen 2:

Male:
 Testes:
 Epididymis:
 Prostrate:
 Penis:

Female:
 Ovaries: N
 Oviducts: N
 Uterus: N
 Cervix: N
 Vagina: N
 Vulva: N

Respiration:
 Larynx: N
 Trachea: N
 Thyroids: A
 Bronchi: N
 Pleura: N
 Lungs:

Coronary:
 Pericardium: N
 Epicardium: N
 Myocardium:
 Arteries: N
 Vessels
 Aorta: N
 Venacava: N
 Peri. Sac:

Lymph Node:
 Peripheral:
 Mesenteric:
 Thoracic:

Muscle:
 Muscles: N
 Bones: N
 Joints:

Brain:
 Meninges: N
 Greymatter: N
 Pituitary: N
 Brain:

CLINICAL ABSTRACT:

This female Karyotype I owl monkey arrived from Battelle on October 3, 1991. The animal was acquired by AID from Iquitos, Peru in 1987. The animal has only had mild trauma related injuries since that time, no other reported illnesses. There have also been no reported illnesses since the animal arrived at the University of South Alabama. On the morning of 3/30/92, this animal was found dead in its cage. The animal had recently been moved from room 126 to room 116. There is no clinical diagnosis for this case since the animal was never reported as ill. This adult female Karyotype I owl monkey was wild caught in 1987 and became part of the Battelle colony at that time. This animal has had no major clinical incidents either at Battelle or at USA. The animal had recently been moved from room 126 to room 116. This animal was found dead on the morning of 3/30/92.

ABNORMALITIES:

An adult female Karyotype I is presented for necropsy. This monkey is well fleshed and has a thick luxurious hair coat. There is minor wear to the incisors and to the premolars, but in general the dentition is excellent. Transabdominal palpation indicates that this animal is pregnant with the fetus in the vertex position. An early third stage fetus was removed from the uterus. The placenta is bidiscoid with a central insertion of the umbilical vessels on one disc. The placenta weighs 18.823 grams. The fetus weighs 43.748 grams and is female. There is no indication that labor had been initiated. The placenta was still tightly adhered to the uterine wall. The uterine vasculature, as well as the abdominal vasculature, is engorged and very prominent. The intestinal tract is largely empty of ingesta and distended with gas. The liver is enlarged, approximately twice normal size, and is congested with blood. The spleen is also enlarged, approximately two times normal size, and is congested with blood. The heart is rounded, the left ventricle is abnormally firm on palpation. Further dissection of the heart will take place after the heart is fixed in formalin. The thyroids are prominent and enlarged. No other remarkable lesions were noted at necropsy.

GROSS DIAGNOSIS:

Heart failure. NOTE: A culture of the placental uterine interface was made for bacteriology.

120

Necropsy Screen

ID : < 82018> Death Date: 03/30/92
 Necropsy Date: <03/30/92 > Sex: F

BAH Destination: ABORTION
 Age Class: FETUS

[766]

Necropsy#: <40B92 >

Time: 0 Prosector: SVG

Weights:	
Body:	43
Liver:	0.00
Spleen:	0.0000
Lung:	0.0000
Brain:	0.0000
Heart:	0.0000
Left Kidney:	0.0000
Right Kidney:	0.0000
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	0.00
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: { 5 }

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	A
Orifices:	N
Skin:	A
Ab. Viscera:	N
Th. Viserca:	A
Subq Fat:	A

Abdomen:	
Spleen:	N
Liver:	N
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	N
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	A
Tongue:	N
Rectum:	N
Stomach:	N
Esophagus:	N
Small Int.:	N
Colon:	N
Cecum:	N
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	N
Oviducts:	N
Uterus:	N
Cervix:	N
Vagina:	N
Vulva:	N

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	A

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	N
Vessels:	
Aorta:	N
Venacava:	N
Peri. Sac:	N

Lymph Node:	
Peripheral:	
Mesenteric:	
Thoracic:	

Muscle:	
Muscles:	A
Bones:	N
Joints:	N

Brain:	
Meninges:	
Greymatter:	
Pituitary:	
Brain:	N

CLINICAL ABSTRACT:

This fetus was found dead in utero during the necropsy of animal #80651.

ABNORMALITIES:

This female fetus has distinct nails, but has not yet developed a hair coat. There is an open fontanelle at the anterior dorsal portion of the skull. The palate suture has not closed. The lungs are not inflated. There is no indication of infectious disease.

GROSS DIAGNOSIS:

In utero death, early stage 3 fetus.

Necropsy Screen

[745]

ID : < 82020> Death Date: 04/11/92
Necropsy Date: <04/12/92 > Sex: F

BAH Destination: STILLBIRTH
Age Class: FETUS

Necropsy#: <43PL92 >

Time: 0 Prosector: AGB

Weights:	
Body:	96
Liver:	6.03
Spleen:	0.2200
Lung:	2.1000
Brain:	9.1200
Heart:	0.8600
Left Kidney:	0.5900
Right Kidney:	0.5700
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	12.10
Crown-Heel:	18.00
Head Circ:	11.00
Bipar. Diam.:	27.70
Arm:	0.00
Femur:	30.20
Tail:	0.00

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: { 4 }
[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	
Orifices:	
Skin:	
Ab. Viscera:	
Th. Viserca:	
Subq Fat:	A

Abdomen:	
Spleen:	
Liver:	
Pancreas:	

Urinary:	
Adrenal:	
Kidney:	
Ureters:	
Bladder:	

Gasto-Int.:	
Mouth:	
Tongue:	
Rectum:	
Stomach:	
Esophagus:	
Small Int.:	
Colon:	
Cecum:	
Anus:	

Gross Pathology Screen 2:

Male:	
Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:	
Larynx:	
Trachea:	
Thyroids:	
Bronchi:	
Pleura:	
Lungs:	

Coronary:	
Pericardium:	
Epicardium:	
Myocardium:	
Arteries:	
Vessels:	
Aorta:	
Venacava:	
Peri. Sac:	

Lymph Node:	
Peripheral:	
Mesenteric:	
Thoracic:	

Muscle:	
Muscles:	
Bones:	
Joints:	

Brain:	
Meninges:	A
Greymatter:	
Pituitary:	
Brain:	

172

CLINICAL ABSTRACT:

This fetus was found dead on the morning of April 11, 1992. It apparently had just been born and was never seen alive. The mother of this infant is #80861. She arrived at USA on August 14, 1991 and was housed in room 116. She is Karyotype 1. There is no record of her having been infected with malaria. She arrived at Battelle in August of 1987 from Iquitos, Peru. She has not been reported as ill since her arrival at USA.

ABNORMALITIES:

The placenta is attached to the fetus. There is a small amount of mucoid, greenish material adhered to the abdomen, underneath the axillas, on the arm, and in the perineal region that may be meconium. The weight and the hair coat on the fetus suggest that it was full term. The lungs do not float in formalin. There is a large amount of blood occipitally between the longitudinal fissures and between the hemispheres of the cerebral cortex and the cerebellum. On initial exposure, the amount of blood is sufficient to completely obscure the cerebellum.

GROSS DIAGNOSIS:

The cause of death in this infant was a massive intracranial hemorrhage in the occipital region during or shortly before parturition.

124

Necropsy Screen.

ID : < 82022> Death Date: 04/20/92 BAH Destination: NECROPSIED [726]
 Necropsy Date: <04/20/92 > Sex: F Age Class: INFANT
 Necropsy#: <51PL92 > Time: 0 Prosector: SVG

Weights:	
Body:	62
Liver:	1.73
Spleen:	0.0500
Lung:	1.0900
Brain:	6.2080
Heart:	0.4400
Left Kidney:	0.2300
Right Kidney:	0.2400
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	10.80
Crown-Heel:	17.80
Head Circ:	11.00
Bipar. Diam.:	0.00
Arm:	7.00
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: {1 }
 [Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	A
Orifices:	N
Skin:	N
Ab. Viscera:	A
Th. Viscera:	A
Subq Fat:	N

Abdomen:	
Spleen:	N
Liver:	N
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	N
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	A
Esophagus:	N
Small Int.:	A
Colon:	A
Cecum:	A
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	N
Oviducts:	N
Uterus:	N
Cervix:	
Vagina:	
Vulva:	

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	A

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	
Vessels:	
Aorta:	
Venacava:	
Peri. Sac:	

Lymph Node:	
Peripheral:	
Mesenteric:	
Thoracic:	

Muscle:	
Muscles:	N
Bones:	N
Joints:	N

Brain:	
Meninges:	N
Grey matter:	N
Pituitary:	N
Brain:	A

1/23

CLINICAL ABSTRACT:

This fetus was found dead on the morning of April 11, 1992. It apparently had just been born and was just never seen alive. The mother of this infant is 80861. She arrived at USA on August 14, 1991 and was housed in room 116. She is Karyotype 1. There is no record of her having been infected with malaria. She arrived at Battelle in August of 1987 from Iquitos, Peru. She has not been reported as ill since her arrival at USA.

ABNORMALITIES:

The placenta is attached to the fetus. There is a small amount of mucoid, greenish material adhered to the abdomen, underneath the axillas, on the arm, and in the perineal region that may be meconium. The weight and the hair coat on the fetus suggest that it was full term. The lungs do not float in formalin. There is a large occipital hemorrhage that extends to the mid calvarium down to the axis. There is also a large amount of blood occipitally between the longitudinal fissures and between the hemispheres of the cerebral cortex and the cerebellum. On initial exposure, the amount of blood is sufficient to completely obscure the cerebellum.

GROSS DIAGNOSIS:

The cause of death in this infant was a massive intracranial hemorrhage in the occipital region during or shortly before parturition.

Necropsy Screen

[638]

ID : < 8202 > Death Date: 04/26/92
 Necropsy Date: < 05/03/92 > Sex: U

BAH Destination: ABORTION
 Age Class: FETUS

Necropsy#: < 55PL92 >

Time: 0 Prosector: AGB

Weights:

Body:	0
Liver:	0.00
Spleen:	0.0000
Lung:	0.0000
Brain:	0.0000
Heart:	0.0000
Left Kidney:	0.0000
Right Kidney:	0.0000
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:

Crown-Rump:	7.80
Crown-Heel:	0.00
Head Circ:	7.30
Bipar. Diam.:	8.00
Arm:	0.00
Femur:	16.90
Tail:	0.00

Check List:

Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: { 5 }

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:

Haircoat:
Orifices:
Skin:
Ab. Viscera:
Th. Viscera:
Subq Fat:

Abdomen:

Spleen:
Liver:
Pancreas:

Urinary:

Adrenal:
Kidney:
Ureters:
Bladder:

Gasto-Int.:

Mouth:
Tongue:
Rectum:
Stomach:
Esophagus:
Small Int.:
Colon:
Cecum:
Anus:

Gross Pathology Screen 2:

Male:

Testes:
Epididymis:
Prostrate:
Penis:

Female:

Ovaries:
Oviducts:
Uterus:
Cervix:
Vagina:
Vulva:

Respiration:

Larynx:
Trachea:
Thyroids:
Bronchi:
Pleura:
Lungs:

Coronary:

Pericardium:
Epicardium:
Myocardium:
Arteries:
Vessels
Aorta:
Venacava:
Peri. Sac:

Lymph Node:

Peripheral:
Mesenteric:
Thoracic:

Muscle:

Muscles:
Bones:
Joints:

Brain:

Meninges:
Greymatter:
Pituitary:
Brain:

127

CLINICAL ABSTRACT:

ABNORMALITIES:

An owl monkey fetus and placenta are presented for necropsy. The fetus is unhaired. The fetus and placenta are preserved intact in formalin.

GROSS DIAGNOSIS:

Abortion, stage 2.

Necropsy Screen

[736]

ID : < 80163> Death Date: 05/15/92
 Necropsy Date: <05/15/92 > Sex: F

BAH Destination: NECROPSIED
 Age Class: ADULT

Necropsy#: <74PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	943
Liver:	42.63
Spleen:	0.9500
Lung:	9.2440
Brain:	18.9640
Heart:	8.9520
Left Kidney:	8.1120
Right Kidney:	7.1720
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	28.70
Crown-Heel:	47.30
Head Circ:	16.70
Bipar. Diam.:	0.00
Arm:	15.30
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	Y
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	Y
Tissues Fixed:	
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: (1)

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	N
Skin:	N
Ab. Viscera:	A
Th. Viscera:	A
Subq Fat:	N

Abdomen:	
Spleen:	A
Liver:	N
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	A
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	A
Esophagus:	N
Small Int.:	N
Colon:	N
Cecum:	A
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	A
Oviducts:	N
Uterus:	N
Cervix:	N
Vagina:	N
Vulva:	N

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	N

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	A
Arteries:	N
Vessels:	
Aorta:	N
Venacava:	
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	A
Thoracic:	N

Muscle:	
Muscles:	N
Bones:	N
Joints:	N

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	N

CLINICAL ABSTRACT:

This animal arrived at USA on 10/03/91. It is a Karyotype 3 female acquired from Battelle Northwestern. The animal had no previous history of illness here at USA, however, it was on the list of so called "heart monkeys" identified by Battelle in a memo to Dr. Abee on November 19, 1991. On 05/07/92 this animal was vomitting. Serum chemistry revealed an extremely low serum phosphorous, however, no other problems were identified. The animal was placed on a calcium phosphorous vitamine D supplement mixed with yogurt and appeared to be doing well for several days. However, on 05/14/92 the animal had an episode of respiratory arrest. The animal was revived. The following day the animal again had an episode of respiratory arrest after which it could not be revived. The animal died on 05/15/92. The episodes of respiratory arrest in this animal suggest that Battelle Northwestern's diagnosis of a heart problem in this animal may indeed have been correct, however, strong clinical evidence for this diagnosis is lacking.

ABNORMALITIES:

A well fleshed adult female Karyotype 3 owl monkey is presented for necropsy. This animal has had a previous amputation of the tail. The hair coat is plush and thick. The subcutaneous body fat is adequate. The kidneys are noticeably enlarged, mottled, and tan to brown. On cut section, there appear to be faint rays throughout the kidney cortex. These do not continue into the medulla. The overall impression of the kidneys is that they are swollen. The mesenteric lymph nodes are mildly edematous. There are fine, thread like markings on the surface of the spleen. The silhouette of the heart is rounded. The left ventricle is firm on palpation. No other remarkable abnormalities were noted.

Note: Kidneys were cultured for bacteriology. There was no growth.

GROSS DIAGNOSIS:

Renal disease, possible cardiac hypertrophy.

Necropsy Screen

[728]

ID : < 82025> Death Date: 05/18/92
 Necropsy Date: <05/19/92 > Sex: M

BAH Destination: NECROPSIED
 Age Class: INFANT

Necropsy#: <75PL92 >

Time: 0 Prosector: SVG

Weights:

Body:	61
Liver:	3.15
Spleen:	0.8200
Lung:	1.9860
Brain:	0.3230
Heart:	7.1320
Left Kidney:	0.2340
Right Kidney:	0.2320
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.1820

Measurements:

Crown-Rump:	10.20
Crown-Heel:	16.30
Head Circ:	10.00
Bipar. Diam.:	27.47
Arm:	5.50
Femur:	30.35
Tail:	0.00

Check List:

Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	Y
Tissues Fixed:	
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: { 2 }

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:

Haircoat:	A
Orifices:	A
Skin:	A
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	A

Abdomen:

Spleen:	N
Liver:	N
Pancreas:	N

Urinary:

Adrenal:	N
Kidney:	N
Ureters:	N
Bladder:	N

Gasto-Int.:

Mouth:	A
Tongue:	N
Rectum:	N
Stomach:	A
Esophagus:	N
Small Int.:	A
Colon:	A
Cecum:	A
Anus:	N

Gross Pathology Screen 2:

Male:

Testes:	N
Epididymis:	
Prostrate:	
Penis:	

Female:

Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:

Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	A

Coronary:

Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	
Vessels:	
Aorta:	
Venacava:	
Peri. Sac:	

Lymph Node:

Peripheral:	
Mesenteric:	
Thoracic:	

Muscle:

Muscles:	N
Bones:	N
Joints:	N

Brain:

Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	N

CLINICAL ABSTRACT:

The mother of this animal (84048) was among a group of animals that arrived at USA from England in late January of 1992. The Karyotype of these animals has not been firmly established. 82025 was born on 05/11/92 and appeared to be doing well for the first week, however, these animals have been housed in larger groups (that is they are not pair housed and in groups of two). This animal was found with traumatic amputation of most of the tail. On 05/18/92 the infant was found on the floor of the cage. At that time, weight was less than 70 grams. Attempts to reunite the infant with the mother and father in a separate cage did not succeed, and the decision was made to euthanize this infant later on the same day. Euthanasia was by administering Ketamine to obtain an anesthetic plane and then giving intracardial Sodium Pentobarbital.

Note

The mother of this infant, 84048, was found dead the following day. She died of an acute dissecting aneurysm.

ABNORMALITIES:

A male infant owl monkey with a dry sparse hair coat is presented for necropsy. The tail has been amputated or bitten off close to the rump and there is approximately 3 cm of the tail left. The end of the tail is markedly hyperemic. The umbilicus is dark brown and dry. The abdomen is distended due to accumulation of gas and fluid in the gastrointestinal tract. There is clear fluid coming from the nares. The lungs are dark red with no other notable abnormalities.

GROSS DIAGNOSIS:

Euthanasia, tail trauma, premature live birth.

12/2

Necropsy Screen

ID : < 84048> Death Date: 05/19/92
 Necropsy Date: <05/19/92 > Sex: F

[720]
 BAH Destination: NECROPSIED
 Age Class: ADULT

Necropsy#: <76PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	1066
Liver:	52.56
Spleen:	0.0000
Lung:	7.0100
Brain:	18.1500
Heart:	7.8600
Left Kidney:	3.8900
Right Kidney:	3.5700
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	0.00
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	Y
Tissues Fixed:	
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: { 1 }

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	A
Skin:	A
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	A

Abdomen:	
Spleen:	N
Liver:	A
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	N
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	N
Esophagus:	N
Small Int.:	N
Colon:	N
Cecum:	N
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	N
Oviducts:	N
Uterus:	N
Cervix:	N
Vagina:	N
Vulva:	N

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	N

Coronary:	
Pericardium:	A
Epicardium:	N
Myocardium:	
Arteries:	A
Vessels:	
Aorta:	A
Venacava:	N
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	N
Bones:	N
Joints:	N

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	N

CLINICAL ABSTRACT:

This female owl monkey of unknown Karyotype arrived from Burroughs Welcome in England in late January of 1992. The animal has done well here since arrival, and on 05/11/92 delivered an infant. Mother and infant appeared to be doing well for the first few days after delivery, however, on 05/18/92 the infant was found off of the mother and the infant subsequently had to be euthanatized due to refusal of parents to take the infant back. The mother was checked when attempts were made to reunite the mother and the father with the infant. She appeared to be doing well at that time, was lactating, and was in good flesh. However, the following morning this animal was found dead in her pen.

ABNORMALITIES:

A well fleshed adult female Karyomorph 2 owl monkey is presented for necropsy. There is mild bruising of the face. There are bite wounds to both ears, and both ears are markedly hyperemic. There is a small amount of blood on the vulva. There is excessive subcutaneous fat and there is abundant body fat in the thoracic and abdominal cavities and throughout the viscera. There is frank blood in the abdomen. The liver is slight to moderately enlarged with rounded margins. The liver is a pale yellow/tan. The spleen is pale as are the kidneys. The aorta is thick, distorted, and tortuous. It is approximately 1 cm in diameter from the aortic arch to the proximal abdominal aorta and remains distended just distal to the liver and proximal to the adrenal gland. There is an acute dissecting aneurysm of the thoracic and abdominal aorta, which continues to just 4 cm above the iliac arteries. Apparently the dissecting aneurysm ruptured in the abdomen. The animal lost a substantially large amount of blood to go into cardiovascular collapse.

GROSS DIAGNOSIS:

Acute dissecting aneurysm of the thoracic and abdominal aorta, aortic rupture and cardiovascular collapse.

Necropsy Screen

ID : < 80419> Death Date: 05/22/92
 Necropsy Date: <05/22/92 > Sex: F

BAH Destination: NECROPSIED
 Age Class: ADULT

[155]

Necropsy#: <84PL92 >

Time: 1400 Prosector: SVG

Weights:	
Body:	675
Liver:	25.12
Spleen:	0.3890
Lung:	6.6850
Brain:	17.6200
Heart:	6.3470
Left Kidney:	5.1020
Right Kidney:	4.9440
Left Adrenal:	0.0960
Right Adrenal:	0.0840
Thymus:	0.0000

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	0.00
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	Y
Biopsy/Cytology:	Y
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: (2)

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	A
Skin:	A
Ab. Viscera:	A
Th. Viserca:	N
Subq Fat:	A

Abdomen:	
Spleen:	N
Liver:	N
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	A
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	A
Stomach:	A
Esophagus:	N
Small Int.:	A
Colon:	A
Cecum:	A
Anus:	A

Gross Pathology Screen 2:

Male:	
Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	N
Oviducts:	N
Uterus:	N
Cervix:	N
Vagina:	N
Vulva:	N

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	N

Coronary:	
Pericardium:	N
Epicardium:	A
Myocardium:	N
Arteries:	N
Vessels	
Aorta:	N
Venacava:	N
Peri. Sac:	N

Lymph Node:	
Peripheral:	N
Mesenteric:	A
Thoracic:	N

Muscle:	
Muscles:	A
Bones:	N
Joints:	N

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	N

135

CLINICAL ABSTRACT:

This animal was acquired by Battelle Northwestern from Peru in 1989. The animal arrived at the University of South Alabama in late September of 1991. The animal was worked up for weight loss in March of 1992. There are no other clinical incidents. On 05/15/92 this animal was lethargic with a temperature of 87.2 F degrees, a glucose of 40, and a 524 gram body weight. Hematocrit was 28. The animal had severe diarrhea which did not improve despite treatment with Gentocin and Kaopectate. Parenteral fluids and hematinics were also administered. On 05/22/92 the decision was made to euthanize this animal. This was done with a intracardial injection of Sodium Pentobarbital after anesthetizing the animal with Ketamine and Xylazene.

ABNORMALITIES:

A thin female Karyotype 2 owl monkey is presented for necropsy. This animal has a full and thick hair coat. There is perianal fecal staining and feces are also found at the base of the tail. There is evidence of diffuse subcutaneous edema, most noticeable over the face and the ventrum of the body. The gastrointestinal contents are watery and grainy. The consistency of the contents does not change from the stomach to the rectum. The mesenteric lymph nodes are mildly edematous. The heart is mildly enlarged. There are fine white streaks along the epicardium associated with the coronary vessels.

Note

Impression smears were made of the mucosal surface of the cecum.

GROSS DIAGNOSIS:

Euthanasia, chronic enterocolitis of unknow origin, anemia, hypoproteinemia, hypophosphatemia.

136

Necropsy Screen

ID : < 82015> Death Date: 05/26/92
Necropsy Date: <05/26/92 > Sex: F

BAH Destination: NECROPSIED
Age Class: INFANT

[99]

Necropsy#: <92PL92 >

Time: 1800 Prosector: SVG

Weights:	
Body:	152
Liver:	6.60
Spleen:	0.1620
Lung:	1.5100
Brain:	13.4900
Heart:	0.7300
Left Kidney:	0.8410
Right Kidney:	0.8220
Left Adrenal:	0.0590
Right Adrenal:	0.0670
Thymus:	0.2100

Measurements:	
Crown-Rump:	17.50
Crown-Heel:	27.30
Head Circ:	14.00
Bipar. Diam.:	33.55
Arm:	8.70
Femur:	43.82
Tail:	21.70

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: { }

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	N
Skin:	A
Ab. Viscera:	A
Th. Viserca:	N
Subq Fat:	A

Abdomen:	
Spleen:	N
Liver:	N
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	N
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	A
Stomach:	N
Esophagus:	N
Small Int.:	A
Colon:	A
Cecum:	A
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	N
Oviducts:	N
Uterus:	N
Cervix:	N
Vagina:	
Vulva:	

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	N

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	
Vessels:	
Aorta:	
Venacava:	
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	A
Thoracic:	N

Muscle:	
Muscles:	A
Bones:	A
Joints:	N

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	N

137

CLINICAL ABSTRACT:

This animal was born on 03/05/92 to mother #80190 and father #81024. No problems have been encountered since then until the week of May 22 when it was observed that this animal appeared to be losing weight and was not being cared for by the parents. The parents would not allow the infant to ride on either one of them and the infant appeared to be thin. Attempts were made to provide the infant with supplemental food by leaving softened chow on the floor of the cage. When this failed the infant was moved to a single cage on the 25th of May. Although the infant's weight remained steady or slightly increased, the general condition of the animal continued to deteriorate despite supplementation with formula, parenteral fluids and other supportive care. This animal continued to deteriorate and on 05/27/92 the animal died. The reason for the parents rejecting this animal, particularly with its advanced age, are not known. No disturbance can be found that would explain this problem within the cage or within the room.

ABNORMALITIES:

A 2 1/2 month old infant Karyotype 1 female owl monkey is presented for necropsy. The infant has a thick hair coat, however, she is cachetic under the fur. There are scrapes along the backs of each calf and the scrapes penetrate the subcutaneous tissue. These appear to be areas where the back of the legs were clipped. There is a small amount of slightly white, clear fluid in the abdomen. The liver appears to be small. There are scant gastrointestinal contents. The bones are very thin and brittle. The bone marrow is pale and the skeletal muscle is pale.

GROSS DIAGNOSIS:

Malnutrition. Apparently the adult female had not been feeding this infant for some time.

128

Necropsy Screen

ID : < 82426> Death Date: 06/04/92
 Necropsy Date: <06/04/92 > Sex: M

BAH Destination: NECROPSIED
 Age Class: ADULT

32]

Necropsy#: <105PL92 >

Time: 1050 Prosector: SVG

Weights:

Body:	894
Liver:	60.92
Spleen:	2.1500
Lung:	15.6600
Brain:	14.2700
Heart:	8.9000
Left Kidney:	4.7410
Right Kidney:	4.9570
Left Adrenal:	0.3130
Right Adrenal:	0.2950
Thymus:	0.0000

Measurements:

Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	0.00
Femur:	0.00
Tail:	0.00

Check List:

Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	Y
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: ()
 [Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:

Haircoat:	N
Orifices:	N
Skin:	N
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	A

Abdomen:

Spleen:	A
Liver:	A
Pancreas:	A

Urinary:

Adrenal:	N
Kidney:	A
Ureters:	N
Bladder:	N

Gasto-Int.:

Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	A
Esophagus:	N
Small Int.:	A
Colon:	A
Cecum:	N
Anus:	N

Gross Pathology Screen 2:

Male:

Testes:	N
Epididymis:	
Prostrate:	
Penis:	

Female:

Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:

Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	A

Coronary:

Pericardium:	N
Epicardium:	N
Myocardium:	A
Arteries:	
Vessels:	
Aorta:	
Venacava:	
Peri. Sac:	N

Lymph Node:

Peripheral:	N
Mesenteric:	N
Thoracic:	N

Muscle:

Muscles:	N
Bones:	N
Joints:	N

Brain:

Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	N

109

CLINICAL ABSTRACT:

This Karyotype 5 owl monkey was received from the University of Miami on March 31, 1992. The animal had been received by University of Miami for quarantine on December 14, 1991. The animal was treated for a swollen finger while at the University of Miami. In April of 1992 this animal was treated for depression, mild congestion, and "constipation." With supportive therapy this animal made a gradual improvement, however, his condition again began to deteriorate during the week of May 25th. Serum chemistry performed at this time indicated that the animal had renal disease. The animal also appeared to be extremely stressed by any kind of handling. Initial attempts at treating the renal disease were conservative, however, this animal's condition continued to deteriorate. On June 3, due to continued depression, this animal was placed on BID fluid therapy. On June 4 the animal was found comatose in his cage. The decision was made at this time to euthanize the animal. This was done by first anesthetizing the animal with Ketamine and Rompun and then intracardial Sodium Pentobarbitol. The clinical diagnosis in this case is renal disease.

ABNORMALITIES:

An adult male Karyotype 5 owl monkey is presented for necropsy. This animal has a full thick hair coat and is in good condition. There is approximately 10 ml of a thick, clear yellow transudate in the abdomen. The liver is enlarged, approximately two to three times normal size and is mottled yellow/red. The gallbladder is full, however, the bile duct is patent. The spleen is slightly enlarged. The kidneys and pancreas are pale. The heart is enlarged and weighs almost 1% of the body weight. The lungs have large foci of consolidation and also multifocal acute hemorrhages. The hemorrhages are probably due to the euthanasia procedure. The stomach is empty, the intestines are hyperemic and contain fluid. The cecum, colon, and rectum contain scant ingesta.

GROSS DIAGNOSIS:

Lesions are consistent with right sided heart failure, however, primary liver disease cannot be ruled out at this time.

140

Necropsy Screen

ID : < 81350> Death Date: 06/06/92 BAH Destination: NECROPSIED [28]
 Necropsy Date: <06/06/92 > Sex: M Age Class: ADULT

Necropsy#: <108PL92 > Time: 0 Prosector: CRA

Weights:	
Body:	729
Liver:	52.45
Spleen:	1.7300
Lung:	21.4600
Brain:	16.9360
Heart:	9.6370
Left Kidney:	7.4950
Right Kidney:	7.9290
Left Adrenal:	0.1520
Right Adrenal:	0.1560
Thymus:	0.0000

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	0.00
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: { }

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	N
Skin:	N
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	N

Abdomen:	
Spleen:	N
Liver:	A
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	A
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	N
Esophagus:	N
Small Int.:	N
Colon:	N
Cecum:	N
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	N
Epididymis:	
Prostrate:	
Penis:	N

Female:	
Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	
Bronchi:	N
Pleura:	A
Lungs:	A

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	N
Vessels	
Aorta:	N
Venacava:	N
Peri. Sac:	A

Lymph Node:	
Peripheral:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	N
Bones:	N
Joints:	N

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	
Brain:	N

CLINICAL ABSTRACT:

This animal has been on treatment for chronic heart failure since 04/16/92. The animal was started on Lasix on May 8 to treat ascites. The animal was found down this a.m. Prior to death, the animal had a sanguinous fluid discharge from the mouth.

ABNORMALITIES:

This animal has abundant subcutaneous, mesenteric, and pericardial adipose tissue. The abdominal viscera are dry and sticky. No ascites are noted. The thoracic cavity had approximately 7 ml of straw colored clear fluid. The lungs were very large, heavy, and wet appearing. The liver was very large with a mottled reticulated surface. The kidneys were large and rough on the surface and light tan colored. The heart was large. The left ventricle was very thick and appeared to have displaced the right ventricle.

GROSS DIAGNOSIS:

Hypertrophic cardiomyopathy, chronic renal disease, pulmonary edema.

192

Necropsy Screen

ID : < 81465> Death Date: 06/08/92
 Necropsy Date: <06/08/92 > Sex: M

BAH Destination: NECROPSIED
 Age Class: ADULT

Necropsy#: <110PL92 >

Time: 1445 Prosector: CRA

Weights:	
Body:	725
Liver:	46.44
Spleen:	1.0090
Lung:	7.8170
Brain:	16.6250
Heart:	5.4030
Left Kidney:	3.8600
Right Kidney:	3.9430
Left Adrenal:	0.1940
Right Adrenal:	0.1840
Thymus:	0.0000

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	0.00
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	Y
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: ()

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	N
Skin:	N
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	N

Abdomen:	
Spleen:	N
Liver:	N
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	N
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	N
Esophagus:	N
Small Int.:	N
Colon:	A
Cecum:	A
Anus:	A

Gross Pathology Screen 2:

Male:	
Testes:	N
Epididymis:	
Prostrate:	N
Penis:	N

Female:	
Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	A

Coronary:	
Pericardium:	A
Epicardium:	A
Myocardium:	A
Arteries:	
Vessels:	
Aorta:	
Venacava:	
Peri. Sac:	

Lymph Node:	
Peripheral:	A
Mesenteric:	A
Thoracic:	N

Muscle:	
Muscles:	N
Bones:	N
Joints:	N

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	N

CLINICAL ABSTRACT:

This animal was found down on the morning of 06/08/92. A clinical chemistry revealed profound anemia.

ABNORMALITIES:

There is a small amount of clear fluid in the abdominal cavity and in the thoracic cavity. The lungs are very pink. A hematoma is observed in the left inguinal peripheral cavity, extending to the anterior approximately 10 cm. This appears to be hemorrhage from blood collections. The lymph nodes in the abdominal cavity are prominent. The liver is dark tan with a reticulated appearing surface. The mesenteric lymph nodes are prominent. The large bowel is filled with soft fecal material. The ileo-cecal lymph nodes are very large. The mesenteric lymph nodes are draining the jejunum. The ileum is very large. The urinary bladder is partly filled with clear amber urine. The distal colon is filled with dry-green fecal material. The kidneys appear normal. The pericardial sac appears thick and translucent grey-white. Approximately 1/2 cc of pericardial fluid is taken, which is cloudy white in appearance. The epicardium has a roughened appearance with eccemoses observed. On a cut surface the myocardium has an outer layer, approximately 1 mm thick, that is dark pink. The remainder of the myocardium surface has a tan color. The right lung did not deflate when the thorax was opened. The left lung lobes have large areas of dark pink to red consolidations.

GROSS DIAGNOSIS:

Pericardial effusion, symphademopathy, pulmonary consolidation.

144

Necropsy Screen

ID : < 82021> Death Date: 06/18/92
 Necropsy Date: <06/18/92 > Sex: M

BAH Destination: NECROPSIED [741]
 Age Class: INFANT

Necropsy#: <119PL92 >

Time: 1915 Prosector: SVG

Weights:

Body:	158
Liver:	8.76
Spleen:	0.2460
Lung:	1.7820
Brain:	14.7610
Heart:	0.6850
Left Kidney:	1.0380
Right Kidney:	1.0740
Left Adrenal:	0.0970
Right Adrenal:	0.0670
Thymus:	0.0000

Measurements:

Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	0.00
Femur:	0.00
Tail:	0.00

Check List:

Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: ()

Gross Pathology Screen 1: [Alt-E for Reports Menu]

General:

Haircoat:	N
Orifices:	N
Skin:	N
Ab. Viscera:	A
Th. Viserca:	N
Subq Fat:	N

Abdomen:

Spleen:	N
Liver:	N
Pancreas:	N

Urinary:

Adrenal:	N
Kidney:	N
Ureters:	N
Bladder:	N

Gasto-Int.:

Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	A
Esophagus:	N
Small Int.:	N
Colon:	N
Cecum:	N
Anus:	N

Gross Pathology Screen 2:

Male:

Testes:	N
Epididymis:	
Prostrate:	
Penis:	N

Female:

Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:

Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	N

Coronary:

Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	
Vessels:	
Aorta:	
Venacava:	
Peri. Sic:	

Lymph Node:

Peripheral:	N
Mesenteric:	N
Thoracic:	N

Muscle:

Muscles:	N
Bones:	N
Joints:	N

Brain:

Meninges:	N
Grey matter:	N
Pituitary:	N
Brain:	N

CLINICAL ABSTRACT:

This infant was born on 04/14/92. It has had no previous clinical history. It was found dead on the morning of 06/18/92.

ABNORMALITIES:

A well fleshed infant owl monkey is presented for necropsy. This male infant has a plush hair coat and is in very good condition. The only lesions observed at necropsy are multifocal erosions and ulcers of the stomach mucosa. These ulcerations are usually indicative of stress. There are no other reportable lesions.

GROSS DIAGNOSIS:

Death was probably associated with some stress, probably stresses within the family group. This is indicated by the multifocal erosions and ulcerations of the stomach mucosa.

Necropsy Screen

[750]

ID : < 80729 > Death Date: 06/25/92
 Necropsy Date: <06/25/92 > Sex: M

BAH Destination: NECROPSIED
 Age Class: ADULT

Necropsy#: <124PL92 >

Time: 1445 Prosector: SVG

Weights:	
Body:	985
Liver:	70.56
Spleen:	1.5400
Lung:	20.0330
Brain:	16.8260
Heart:	10.9460
Left Kidney:	4.7000
Right Kidney:	4.6400
Left Adrenal:	0.2010
Right Adrenal:	0.1360
Thymus:	0.0000

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	0.00
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: (1)

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	N
Skin:	N
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	N

Abdomen:	
Spleen:	N
Liver:	A
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	N
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	N
Esophagus:	N
Small Int.:	N
Colon:	N
Cecum:	N
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	N
Epididymis:	N
Prostrate:	N
Penis:	N

Female:	
Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:	
Larynx:	N
Trachea:	A
Thyroids:	N
Bronchi:	A
Pleura:	N
Lungs:	A

Coronary:	
Pericardium:	N
Epicardium:	A
Myocardium:	A
Arteries:	
Vessels:	
Aorta:	N
Venacava:	
Peri. Sac:	

Lymph Node:	
Peripheral:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	N
Bones:	N
Joints:	N

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	N

117

CLINICAL ABSTRACT:

This Karyotype I Aotus male arrived at USA on January 31, 1992. The animal was part of a shipment of animals from Battelle that had been held back from an earlier, larger shipment because they were considered to be too ill to travel. This animal was acquired by Battelle from Iquitos, Peru in February of 1987. The animal has no record of illness in its medical file, however, the animal was considered to be a "heart monkey" by the criteria established by Battelle. As with previous cases, there is no notation of this in the animal's medical file. This animal had not been observed as being sick during its time at USA. The animal was found dead on the morning of 06/25/92. There is no clinical diagnosis in this case. Similar cases of sudden death in owl monkeys are frequently due to heart failure.

ABNORMALITIES:

An adult male Karyotype I owl monkey is presented for necropsy. This animal is in very good flesh, however, it is moderately decomposed. The liver is markedly enlarged and dark red with a slight cobblestone appearance to the surface. The liver is in excess of two times normal size. The heart is also enlarged with a rounded silhouette, and is greater than 1% body weight in weight. The lungs are wet and heavy. The gums have a dark red/purple discoloration. There is advanced postmortem decomposition of the gastrointestinal tract.

GROSS DIAGNOSIS:

Cardiomyopathy, heart failure.

Necropsy Screen

[751]

ID : < 82030 > Death Date: 06/25/92 BAH Destination: NECROPSIED
 Necropsy Date: <06/25/92 > Sex: M Age Class: INFANT

Necropsy#: <125PL92 > Time: 1615 Prosector: SVG

Weights:	
Body:	71
Liver:	0.00
Spleen:	0.0000
Lung:	0.0000
Brain:	0.0000
Heart:	0.0000
Left Kidney:	0.0000
Right Kidney:	0.0000
Left Adrenal:	0.0000
Right Adrenal:	0.0000
Thymus:	0.0000

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	26.62
Arm:	0.00
Femur:	28.56
Tail:	0.00

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: { 2 }
 [Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	A
Orifices:	N
Skin:	N
Ab. Viscera:	N
Th. Viscera:	N
Subq Fat:	N

Abdomen:	
Spleen:	N
Liver:	N
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	N
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	N
Esophagus:	N
Small Int.:	N
Colon:	N
Cecum:	N
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	N
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	N

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	
Vessels:	
Aorta:	
Venacava:	
Peri. Sac:	

Lymph Node:	
Peripheral:	
Mesenteric:	
Thoracic:	

Muscle:	
Muscles:	N
Bones:	N
Joints:	N

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	N

149

CLINICAL ABSTRACT:

This infant owl monkey was born on 06/25/92 and found down in the bottom of the cage. It had been rejected by both of its parents. Its glucose was 60, its body temperature was 84.5 degrees Farenheit. The other juvenile that was in the cage was removed and this infant was returned to its mother in an attempt to foster it back. This attempt was unsuccessful. Close examination of this infant revealed that it had a very scant hair coat only on its head and shoulders and no where else, indicating that it was markedly premature. The decision was made to euthanatize this animal. It was sedated with 0.15 cc Ketamine subcutaneously and euthanatized with 0.5 cc Pentobarbital intracardiac.

ABNORMALITIES:

A male Karyotype I owl monkey fetus is presented for necropsy. There is a sparse hair coat on the top of the head and across the shoulders. The rest of the body is hair less. There are no other reportable lesions.

GROSS DIAGNOSIS:

Euthanasia, premature live birth.

Necropsy Screen

[752]

ID : < 80301> Death Date: 06/26/92 BAH Destination: NECROPSIED
 Necropsy Date: <06/26/92 > Sex: M Age Class: ADULT

Necropsy#: <126PL92 > Time: 1430 Prosector: SVG

Weights:	
Body:	1056
Liver:	29.30
Spleen:	0.0000
Lung:	10.3450
Brain:	16.2280
Heart:	7.2680
Left Kidney:	3.5010
Right Kidney:	3.5790
Left Adrenal:	0.1830
Right Adrenal:	0.1700
Thymus:	0.0000

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	0.00
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: ()

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	N
Orifices:	N
Skin:	N
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	A

Abdomen:	
Spleen:	O
Liver:	A
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	N
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	A
Esophagus:	N
Small Int.:	N
Colon:	N
Cecum:	N
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	N
Epididymis:	
Prostrate:	
Penis:	N

Female:	
Ovaries:	
Oviducts:	
Uterus:	
Cervix:	
Vagina:	
Vulva:	

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	A

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	
Vessels:	
Aorta:	A
Venacava:	
Peri. Sac:	N

Lymph Node:	
Peripheral:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	N
Bones:	N
Joints:	N

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	N

137

CLINICAL ABSTRACT:

This Karyotype III male Aotus was received at USA in October of 1991. The animal had been received by Battelle in 1988. This animal was treated at Battelle for ocular discharge in 1988 and there is a notation of treatment in 1987. This is a contradiction on the dates listed for acquisition. He was treated for ocular discharge in October in 1991. The animal has had no further reported problems here. 80301 was found dead on 06/26/92. The animal had not been reported as ill prior to this.

Clinical diagnosis was not established in this case due to the short course of the disease and the fact that the animal had not been reported as ill. However, other animals with this type of history frequently are found to have had heart failure or severe renal disease.

ABNORMALITIES:

An adult male Karyotype III owl monkey is presented for necropsy. This animal is in good flesh with a plush hair coat. There is red/purple discoloration to the gums. There is abundant subcutaneous and intraabdominal adipose tissue. The liver is somewhat small for this size animal. It is discolored and mottled brown to tan/grey. The stomach is distended with gas. There is postmortem discoloration of the poles of the left and right kidneys. The left hemithorax is filled with clotted blood. The heart has been displaced into the right hemithorax. The left lung lobes are collapsed and the right lung lobes are compressed. There is a large balloon type aneurysm at the thoracic arch. This aneurysm is approximately 2 to 2.5 cm in diameter and contains a large blood clot. This blood clot is long standing and not recent. The remaining thoracic aorta is tortuous with multiple areas of rechannelization between the aortic intima and muscle wall.

GROSS DIAGNOSIS:

Chronic dissecting aneurysm of the thoracic aorta with rupture into the left hemithorax.

Summary of Diagnostic Laboratory Activities January 1 - June 30, 1992

Aotus

Test	Quantity	Comments
CBC	158	Includes quarantine testing of UK and Miami monkeys
Chemistry Profile	164	Includes quarantine testing of UK and Miami monkeys
Individual Chemistry	7	
Reticulocyte Count	8	
Fecal (saline smear)	77	Protozoa, not Tritrichomonas
Fecal (flotation)	234	Strongyloides cebus Enterobius spp.
Perianal tapetest for pinworms	62	
Microbiology (# of culture sites)	49	
Urinalysis	4	

Saimiri

Test	Quantity	Comments
CBC	52	Includes 6 & 12 month workups
Chemistry Profile	33	Includes 6 & 12 month workups
Individual Chemistry	6	
Spun Hematocrit	10	
Reticulocyte Count	8	
Fecal (saline)	14	Tritrichomonas spp.
Fecal (flotation)	33	Strongyloides cebus
Microbiology (# of culture sites)	17	

157

DEPARTMENT OF COMPARATIVE MEDICINE
 Primate Research Laboratory
 Birth Statistics Report
 AID Squirrel Monkeys

ID	SEX	SPECIES	BIRTH DATE	DAM	SIRE	TYPE	DYSTOCIA	CONDITION	WEIGHT	NURSERY	DATE OUT OF COLONY	DESTINATION
92010	F	B	02/18/92	90213	-9	L	N	G	110	N		
92011	F	B	02/28/92	90158	-9	L	N	G	108	N		
92012	F	B	02/29/92	90311	-9	L	N	G	0	N	06/18/92	NECROPSIED
Pneumonia, trauma to the chin.												
92013	F	B	03/08/92	90785	-9	L	N	G	108	N		
92014	F	B	03/09/92	90269	-9	L	N	G	108	N		
92015	F	B	03/10/92	90779	-9	L	N	G	92	N	03/11/92	NECROPSIED
Euthanasia. Skull fracture.												
92016	F	B	03/16/92	90919	-9	L	N	G	90	N		
92017	M	B	03/18/92	90175	-9	L	N	G	130	N	03/19/92	NECROPSIED
Neonatal death, cause is undetermined, but may be connected to poor lactation of the dam. Red discoloration of the skin is due to prolonged exposure to the floor which is sanitized with Reserve. NOTE: Liver and heart blood is cultured for microbiology.												
92018	M	B	03/21/92	90174	-9	L	N	G	116	N		
92020	F	B	04/09/92	90257	-9	L	N	G	107	N		
92021	M	B	04/12/92	90739	-9	L	N	G	0	N	04/15/92	NECROPSIED
Euthanasia, jaundice, thrombosis of tail veins.												
92022	F	B	04/15/92	90746	-9	L	N	G	115	N		
92023	M	B	04/16/92	90781	-9	S	N	D	64	N	04/16/92	STILLBIRTH
92024	M	B	04/23/92	90622	-9	S	N	D	21	N	04/23/92	ABORTION
92026	U	B	05/03/92	90901	-9	I	N	D	0	N		
92025	F	B	05/05/92	90765	-9	L	N	D	80	N	05/05/92	NECROPSIED
Severe abdominal trauma resulting in evisceration.												
92027	F	B	05/16/92	90225	-9	L	N	G	102	N		
92028	M	B	05/21/92	90255	-9	I	N	D	86	N	05/21/92	NECROPSIED
Intrauterine death, late stage 3.												
92029	M	B	05/31/92	90131	-9	L	N	G	102	N	07/18/92	NECROPSIED
Massive skull fracture with accompanying meningeal hemorrhage resulting in the death of this animal.												
92031	F	B	06/28/92	90133	-9	I	Y	D	83	N	06/28/92	NECROPSIED
In utero death due to dystocia.												
92030	F	B	06/29/92	90710	-9	L	N	G	96	N	07/03/92	NECROPSIED
Cause of death in the case appears to be multiple skull fractures. The lack of meningeal hemorrhages in the same areas is somewhat puzzling. Substantial loss of body weight since birth suggest that this infant had been ill for an extended period prior to death.												

134.

Necropsy Screen

ID : < 81419> Death Date: 06/18/92
 Necropsy Date: <06/18/92 > Sex: F

BAH Destination: NECROPSIED
 Age Class: ADULT

[739]

Necropsy#: <117PL92 >

Time: 1645 Prosector: SVG

Weights:	
Body:	641
Liver:	23.88
Spleen:	2.9360
Lung:	11.0560
Brain:	20.9230
Heart:	5.4110
Left Kidney:	11.2010
Right Kidney:	11.3620
Left Adrenal:	0.1950
Right Adrenal:	0.1780
Thymus:	0.0000

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	0.00
Arm:	0.00
Femur:	0.00
Tail:	0.00

Check List:	
Bacteriology:	Y
Parasitology:	
Urinalysis:	
Biopsy/Cytology:	
Tissues Frozen:	Y
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	
Other:	

Cause of Death Code: { 2 }

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	A
Orifices:	A
Skin:	A
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	A

Abdomen:	
Spleen:	A
Liver:	A
Pancreas:	A

Urinary:	
Adrenal:	N
Kidney:	A
Ureters:	N
Bladder:	N

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	A
Stomach:	A
Esophagus:	N
Small Int.:	A
Colon:	A
Cecum:	A
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	N
Oviducts:	N
Uterus:	N
Cervix:	
Vagina:	
Vulva:	

Respiration:	
Larynx:	N
Trachea:	N
Thyroids:	A
Bronchi:	
Pleura:	
Lungs:	

Coronary:	
Pericardium:	N
Epicardium:	A
Myocardium:	N
Arteries:	N
Vessels:	
Aorta:	N
Venacava:	N
Peri. Sac:	N

Lymph Node:	
Peripheral:	N
Mesenteric:	A
Thoracic:	N

Muscle:	
Muscles:	N
Bones:	N
Joints:	N

Brain:	
Meninges:	N
Greymatter:	N
Pituitary:	N
Brain:	A

153

CLINICAL ABSTRACT:

This animal was noticed to have profuse diarrhea on the morning of 06/18/92. It was treated symptomatically for the diarrhea. On the afternoon of 06/18/92, further examination revealed an extremely cachectic animal with subnormal temperature and severe dehydration. On palpation, both kidneys were markedly enlarged. The animal was treated with intravenous fluid. There was no immediate response. The animal was placed on oxygen. The results of hematologic and serum chemistry examinations revealed that the animal was profoundly anemic with a marked hyponatremia. The decision was made to euthanize this animal, due to the severity of its disease, for humane reasons. The animal was anesthetized with Ketamine subcutaneously and received 3 cc of Sodium Pentobarbital intravenously for euthanasia.

ABNORMALITIES:

A cachectic adult female owl monkey is presented for necropsy. There is a decrease in muscle mass over the lumbar spine and the legs. The bones are very prominent. There is scant ingesta in the gastrointestinal tract. There is no apparent subcutaneous or visceral adipose tissue. The spleen is approximately two times normal size. The liver is shrunken and pale. The pancreas is pale and also small. The kidneys are large, pale, and soft. Both kidneys are greater than two times normal size for an animal of this body weight. The parathyroid glands are large and quite prominent. There are multifocal, pale areas on the epicardium of the heart. The mesenteric lymph nodes are slightly enlarged. The brain is pale.

GROSS DIAGNOSIS:

Euthanasia, severe renal disease, severe regenerative anemia. Large swollen kidneys can be indicative of membranous glomerulonephritis.

DEPARTMENT OF COMPARATIVE MEDICINE
 Primate Research Laboratory
 Birth Statistics Report
 AID Owl Monkeys

ID	SEX	SPECIES	BIRTH		DAM	SIRE	TYPE	DYSTOCIA	CONDITION	WEIGHT	NURSERY	DATE OUT	
			DATE									OF COLONY	DESTINATION
84018	F	2	01/21/92		112	110	L	N	G	0	N		
82011	M	2	01/25/92		-9	-9	A	N	D	0	N	01/25/92	ABORTION
82012	M	2	02/03/92		80367	80364	L	N	G	0	N	02/06/92	HUM_EUTH
82013	M	3	02/26/92		80311	80120	L	N	G	0	N		
82014	M	2	02/27/92		84064	84063	L	N	P	0	N	02/27/92	HUM_EUTH
82015	F	3	03/05/92		80190	81024	L	N	G	0	N	05/26/92	NECROPSIED
Malnutrition. Apparently the adult female had not been feeding this infant for some time.													
82016	M	2	03/16/92		80389	80373	L	N	G	0	N		
82017	M	1	03/18/92		80754	80933	L	N	G	0	N		
82018	F	1	03/30/92		80651	-9	A	Y	D	0	N	03/30/92	ABORTION
82019	M	1	04/03/92		80712	80715	L	N	G	0	N		
82020	F	1	04/11/92		80861	80876	S	N	D	0	N	04/11/92	STILLBIRTH
82021	M	1	04/14/92		80691	80665	L	N	G	0	N	06/18/92	NECROPSIED
Death was probably associated with some stress, probably stresses within the family group. This is indicated by the multifocal erosions and ulcerations of the stomach mucosa.													
82022	F	5	04/16/92		81332	81327	L	N	G	0	N	04/20/92	NECROPSIED
The cause of death in this infant was a massive intracranial hemorrhage in the occipital region during or shortly before parturition.													
82023	U	1	04/21/92		84011	84010	L	N	G	0	N		
82024	U	1	04/26/92		80915	80731	A	N	D	38	N	04/26/92	ABORTION
82025	M	1	05/11/92		84048	84047	L	N	G	0	N	05/18/92	NECROPSIED
Euthanasia, tail trauma, premature live birth.													
82026	U	1	05/15/92		80734	80735	L	N	G	0	N		
82027	U	1	05/18/92		81126	81123	L	N	G	0	N		
82028	U	1	05/26/92		81004	81019	L	N	G	0	N		
82029	U	2	06/24/92		84006	84005	L	N	G	0	N		
82030	M	1	06/25/92		81158	81157	L	N	P	71	N	06/25/92	NECROPSIED
Euthanasia, premature live birth.													

157