

PD-A/B-161
83018

Progress Report
United States Agency for International Development
Contract Number: DPE-5979-C-00-1024-00
Reporting Period: 7-1-92 to 12-31-92

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1. Narrative Summary of Progress

This is the third reporting period for the contract awarded on August 8, 1991. Modifications to the contract proposed during the last reporting period have not been approved by the AID contracting office. Those modifications which were proposed in a letter mailed on May 26, 1992 to Mr. Stephen Dean in the AID Office of Procurement were as follows:

- a. We proposed to replace the Paradox animal inventory database with the Primate Record System which was developed at USA. This change in the data system has been adopted. A communication server allows Drs. Landry and Miller dial-in access to the database.
- b. We proposed a plan in which USA would serve as the site for international quarantine of Aotus shipped from Iquitos, Peru. We have not received Aotus from Peru during this reporting period.
- c. We proposed to modify routine clinical testing of animals so that testing would be performed on monkeys prior to shipping and during quarantine. Routine testing of 6 and 12 month old animals would be stopped. These changes in testing have been informally adopted based on conversations with the Project Officer, Dr. Miller.
- d. We requested approval to karyotype the Aotus received from the Wellcome Foundation, U.K. Arrangements have been made with Dr. Charlene Moore at the cytogenetics laboratory of the University of Texas Health Science Center at San Antonio to begin karyotyping of these monkeys in 1993.

Several management changes in the Aotus colony were undertaken in the spring of 1992. In April 1992, Karyotype I and V owl monkeys were included in the monthly administration of vitamin E and B complex. Previously only karyotypes II, III, and IV had received parenteral vitamin administration. Fewer deaths especially heart disease-related deaths, have occurred in karyotype I and V monkeys since beginning parenteral vitamin treatment. Although this is an interesting finding, this does not necessarily mean that vitamin administration is causally related to a reduction in heart disease related deaths. Vitamin administration has not resulted in any detrimental effects on the Aotus colony, and it appears that such treatment maybe helpful in reducing mortality in the colony.

In May 1992, the diet of the Wellcome Foundation Aotus monkeys was simplified so that they received old world monkey diet with yogurt in the morning and 100 grams of fruit or yams in the evening. Ten monkeys from this group are monitored with complete blood counts and serum chemistry analysis biannually. No evidence of vitamin deficiency or Vitamin E related, hemolytic anemia has been detected. Obese monkeys have lost some of their excess weight. No disease problems have arisen with this change in diet and the Wellcome colony continues to produce offspring.

Use of dry paper board for waste capture under the Aotus racks was begun in June 1992 in place of daily hosing of the rack pans. The paper board is highly absorbent and removal of wastes by changing the paper is less stressful to the monkeys.

Modification of the Heating, Ventilation, and Air Conditioning system (HVAC) and refinishing of the floors in the Aotus housing facility were begun late last summer. The HVAC has been modified by providing additional exhaust capacity which has allowed for more air changes per hour throughout the facility. The entire facility HVAC will be rebalanced in the first quarter of 1993 to maximize air changes and improve temperature control in Aotus housing rooms. After considerable difficulty with faulty installation of the epoxy floor coating by the contractor, the entire floor coating in the Aotus facility has been removed to bare concrete and replaced with a new coating of epoxy. The new floor has improved sanitation of the facility.

Aotus blood from karyotype I monkeys was shipped to the CDC at the request of Dr. Gale Galland on Aug. 17, 1992 (56 milliliters) and Sept. 3, 1992 (68 milliliters) in support of the ongoing malarial vaccine trial. These shipments were authorized by Dr. Landry.

This summer Dr. Susan Gibson and Ms. Leeann Braden, a summer research student examined 36 of the cardiomyopathy project Aotus to determine if they could confirm the echocardiographic diagnosis made at Battelle. This project was undertaken in response to a letter from Dr. Miller on May 26, 1992 requesting that we try to salvage information from the heart study at Battelle. The project was financially supported by USA. Electrocardiograms, thoracic radiographs, and blood analyses including complete blood counts and serum chemistries were done on each animal under anesthesia. Through these tests, we were able to confirm the echocardiographic diagnosis of dilatative heart disease, but found no difference between those monkeys with echocardiographic diagnoses of normal or hypertrophic hearts.

Monkeys with dilated hearts had relative bradycardia, prolonged QT intervals (see Table 1), significantly enlarged hearts on thoracic radiographs (see Table 2), and changes in the complete blood count including elevated white blood cell counts, lowered erythrocyte counts, lowered hematocrits and lowered hemoglobin values (see Table 3). We are presently considering the possibility of using these findings to screen Aotus for dilatative heart disease prior to shipping or during quarantine. This practice could prevent monkeys with severe heart disease from entering the breeding colony. We would like to continue to monitor the group of echocardiographically defined monkeys on a yearly basis. Evaluation of hearts at necropsy and comparison with the antemortem diagnosis of dilatative, hypertrophic, or normal is ongoing. Collaboration with Dr. Knowlen, the veterinary cardiologist that initiated the echocardiographic study, was not possible due to his untimely death this summer. Tables 1-4 summarizing the results of the cardiomyopathy study carried out at USA this summer are listed below.

Table 1. Electrocardiographic results from owl monkeys with an echocardiographic diagnosis of normal, hypertrophic or dilatative cardiomyopathy

	ECHOCARDIOGRAPHIC DIAGNOSIS [®]		
	NORMAL MEAN ± STD N = 16	HYPERTROPHIC MEAN ± STD N = 10	DILATATIVE MEAN ± STD N = 10
Atrial rate (per minute)	257.2 ± 48.3	256.2 ± 50.3	213.2* ± 38.6
Ventricular rate	257.2 ± 48.3	256.2 ± 50.3	213.2* ± 38.6
Rhythm	sinus	sinus	sinus ^l
P-Wave duration (secs)	0.03 ± 0.01	0.03 ± 0.01	0.03 ± 0.01
P-Wave amplitude (cm)	0.03 ± 0.02	0.03 ± 0.02	0.03 ± 0.01
PR interval (secs)	0.07 ± 0.01	0.06 ± 0.01	0.07 ± 0.01
QRS interval (secs)	0.07 ± 0.01	0.07 ± 0.02	0.08 ± 0.02
QT interval (secs)	0.17 ± 0.02	0.18 ± 0.04	0.20* ± 0.04
QTC ²	0.3 ± 0.03	0.4 ± 0.06	0.4 ± 0.05
QRS amplitude V1 (cm)	0.02 ± 0.07	0.05 ± 0.11	-0.02 ± 0.14
QRS amplitude VI (cm)	0.1 ± 0.1	0.13 ± 0.09	0.12 ± 0.06

[®] Echocardiograms performed at Battelle

* Significant difference by oneway analysis of variance (p < .05).

^l Two monkeys in this group had arrhythmias

Table 2. Heart dimensions as determined from anterior-posterior radiographs of owl monkeys with an echocardiographic diagnosis of a normal heart, hypertrophic cardiomyopathy, or dilatative cardiomyopathy

	ECHOCARDIOGRAPHIC DIAGNOSIS [@]		
	NORMAL (n = 15) mean ± std	HYPERTROPHIC (n = 10) mean ± std	DILATATIVE (n = 10) mean ± std
Width cm	2.9 ± 0.2	2.8 ± 0.3	3.4 ± 0.4*
Length cm	3.7 ± 0.3	3.7 ± 0.3	4.3 ± 0.5*

[@] Echocardiograms performed at Battelle

* Values significantly different ($p < 0.05$) from values for hypertrophic and normal hearts using oneway analysis of variance

Table 3. Blood parameters of owl monkeys with an echocardiographic diagnosis of a normal heart, hypertrophic cardiomyopathy, or dilatative cardiomyopathy

ECHOCARDIOGRAPHIC DIAGNOSIS [@]					
		PUBLISHED NORMAL VALUES	NORMAL (n = 16)	HYPERTROPHIC (n = 10)	DILATATIVE (n = 10)
		Mean ± std	Mean ± std	Mean ± std	Mean ± std
White blood cell count	X 10 ³ /mm ³	9.9 ± 3.3	11.8 ± 3.7	12.0 ± 3.7	15.0 ± 6.0*
Red blood cell count	X 10 ⁶ /mm ³	6.1 ± 0.6	6.1 ± 1.2	6.2 ± 1.0	5.3 ± 0.7*
Hemoglobin	gm/dl	16.1 ± 1.8	15.8 ± 3.2	15.5 ± 2.3	13.3 ± 2.2*
Hematocrit	%	49.2 ± 4.9	49.0 ± 9.7	48.0 ± 7.3	41.2 ± 6.2*
Mean corpuscular volume	m ³	80.2 ± 3.5	81.4 ± 2.4	80.4 ± 4.5	81.8 ± 2.6
Mean corpuscular hemoglobin	uug	26.2 ± 1.6	25.8 ± 1.0	25.2 ± 1.6	25.0 ± 1.7
Mean corpuscular hemoglobin concentration	g/dl	32.7 ± 1.02	32.2 ± 1.0	32.3 ± 1.0	32.2 ± 0.6

std standard deviation

[@] Echocardiograms performed at Battelle

* Values have a significant predictive value for dilatative cardiomyopathy when analyzed by stepwise regression analysis (p<.05). Values are not significantly different using oneway analysis of variance.

Table 4. Blood parameters of owl monkeys with an echocardiographic diagnosis of a normal heart, hypertrophic cardiomyopathy, or dilatative cardiomyopathy

		ECHOCARDIOGRAPHIC DIAGNOSIS ^e			
		PUBLISHED NORMAL VALUES	NORMAL (n = 16)	HYPERTROPHIC (n = 10)	DILATATIVE (n = 10)
Alkaline phosphatase	U/L	527.0 ± 461.0	265.2 ± 245.4	312.2 ± 206.4	107.8 ± 56.4
Gamma globulin transferase	U/L	16.1 ± 10.0	53.6 ± 150.3	15.3 ± 3.7	16.6 ± 5.5
Urea nitrogen	mg/dl	15.4 ± 5.3	14.6 ± 4.9	18.7 ± 7.6	16.5 ± 5.5
Aspartate aminotransferase	U/L	-	301.4 ± 214.5	143.4 ± 66.2	149.2 ± 96.4
Alanine aminotransferase	U/L	50.0 ± 43.6	92.1 ± 63.2	66.8 ± 33.1	44.3 ± 26.7
Lactate dehydrogenase	U/L	314 ± 142	433.1 ± 277.9	320.2 ± 132.7	321.1 ± 352.2
Creatine phosphokinase	U/L	256.0 ± 251.0	1139.4 ± 1385.5	938.8 ± 566.0	498.0 ± 342.1
Cholesterol	mg/dl	140.0 ± 39.0	102.6 ± 28.2	83.4 ± 21.6	107.7 ± 19.8
Glucose	mg/dl	143.6 ± 36.0	150.3 ± 19.8	135.1 ± 31.1	154.4 ± 37.6
Phosphorus	mg/dl	4.1 ± 1.6	3.8 ± 0.8	3.5 ± 1.1	3.5 ± 1.5
Albumin	g/dl	4.4 ± 0.5	3.8 ± 0.7	3.9 ± 0.4	3.6 ± 0.5
Total bilirubin	mg/dl	0.8 ± 0.5	1.2 ± 1.0	0.9 ± 0.2	0.9 ± 0.2
Protein	g/dl	8.4 ± 1.0	7.0 ± 1.0	7.4 ± 1.1	7.2 ± 0.8
Calcium	mg/dl	10.6 ± 1.1	9.0 ± 0.9	9.3 ± 0.7	8.8 ± 1.0
Creatinine	mg/dl	1.0 ± 0.3	0.6 ± 0.2	0.6 ± 0.2	0.7 ± 0.2
Sodium	Meq/L	154 ± 7	146 ± 4	145 ± 4	145 ± 3
Potassium	Meq/L	4.2 ± 0.8	3.2 ± 1.2	3.1 ± 0.7	2.9 ± 1.0

^e Echocardiograms performed at Battelle
 - no published value available

Four cases of disseminated yeast infection have been diagnosed in Aotus since their arrival at USA. The history of the monkeys and the distribution of the yeast in tissues is presented in Tables 5 and 6 below. The affected owl monkeys had a history of weight loss and all had splenomegaly. The yeast is oval with a distinct capsule and both intracellular and extracellular in distribution. This yeast infection is characterized by a lack of inflammatory response to the organism. Frozen tissue, sera, and tissue in paraffin blocks were shipped to Dr. Arnold Kaufmann at the Centers for Disease Control and Prevention on November 11, 1992. Dr. Kaufmann had seen a similar organism in tissues from other owl monkey colonies. On December 28, 1992, Dr. Kaufmann reported that he had been unable to grow the yeast on artificial media. He was going to begin mouse inoculations to see if the yeast would grow in vivo. Testing of the organism in tissue with specific antisera to cryptococcus, histoplasma and blastomyces revealed a cross-reactivity type of pattern and was not diagnostic. The monkey sera did not have antibodies to known yeasts. Dr. Kaufmann confirmed that this organism was the yeast they had found in other owl monkeys and that the yeast was present in tissue samples from all four monkeys (82393, 81329, 80711, 81350).

Table 5. Owl Monkeys with Yeast Infections

Case#	Monkey	Ktype	Sex	Source	Time in Captivity	Gross Necropsy Diagnosis
119PL91	81329*	5	F	Peru	2 years	Aspiration pneumonia, cachexia, splenomegaly
19PL92	80711	1	F	Peru	5 years	Congestive heart failure
108PL92	81350*	5	M	Peru	2.5 years	Congestive heart failure
179PL92	82393	5	F	Peru	11 mos.	<u>E. coli</u> septicemia, splenomegaly

* Monkeys were from the same shipment

Table 6. Distribution of Yeast in Tissues

Case#	Monkey	Lung	Heart	Spleen	Liver	Kidney Adrenal	Intestine	L.node*	Blood ^	Brain
119PL91	81329		+	+	+					
19PL92	80711	+	+	+	+	+	+	+	+	
108PL92	81350	+		+	+			+		
179PL92	82393	+	+	+	+	+	+	+	+	+

*Peripancreatic lymph node

^ Yeast in monocytes

No major changes in the management or husbandry of the squirrel monkey colony were undertaken during this report period. The primary disease problem that we have observed is the development of fulminating infections in squirrel monkeys that have been splenectomized. Many of these monkeys develop systemic infections with Staphylococcus aureus or Pseudomonas spp. following bite wound trauma. This is not a problem in monkeys with an intact spleen. The history of many of the AID squirrel monkeys is incomplete in regards to whether they have been splenectomized.

On December 16, 1992, Dr. Abee attended a meeting at the CDC in Atlanta to discuss issues related to the discovery of Trypanosoma cruzi infected animals belonging to USAID. Drs. Gale Galland, Steve Landry, Kirk Miller, Mark Eberhardt, William Collins and Jim Sullivan were in attendance. The decision of that group was to consider every monkey that had a serologic titer of 1:8 or greater to T. cruzi as having an active infection. Currently there are 12 T. cruzi culture positive squirrel monkeys and 64 seropositive squirrel monkeys in the AID colony. There are 56 offspring of seropositive squirrel monkeys that should be considered potentially infected. Ten adult owl monkeys housed at USA were also seropositive for T. cruzi. Dr. Steve Landry is currently drafting a letter summarizing biosafety actions and concerns as well as actions to be taken by all participants.

2. A current census of AID-owned Saimiri and Aotus colonies at USA is attached to this progress report. The T. cruzi serology status is given for each monkey. Census summary Tables 7 and 8 for each colony are listed below.

Table 7. AID Squirrel Monkey Colony Summary Statistics July 1, 1992 - December 31, 1992		
S.b.b.		
Births	Stillbirths	2
	Abortions	3
	Live Births	29
Deaths	Animals < 6 mn.	12
	Animals > 6 mn.	8
Movements of AID Animals Relative to USA	Imports	
	Exports	3
Census of AID Animals Housed at USA	< 6 mns. old	16
	> 6 mns. old	265

Table 8.
AID Owl Monkey Colony
Summary Statistics
July 1, 1992 - December 31, 1992

		KI	KII	KIII	KIV	KV	Unknown
Births	Stillbirths	1					
	Abortions	4	1	4			
	Live Births	18	10			3	
Deaths	Animals < 6 mn.	4	3			1	
	Animals > 6 mn.	5	5			4	
Movements of AID Animals Relative to USA	Imports					2	
	Exports		9	14	1		
Census of AID Animals Housed at USA	< 6 mns. old	13	7			2	
	> 6 mns. old	177	82	14		54	1

* Aotus received from the Wellcome Foundation have been assigned a K II designation pending validation by Dr. Charlene Moore.

3. Contract related transfers of monkeys to and from the University of South Alabama (USA).

Date Transaction (receipt of monkeys)

7-9-92 2 Aotus (females) arrive at USA from the University of Miami, School of Medicine, Miami, FL.

Date Transaction (transfer of monkeys to other institutions)

7-13-92 3 Saimiri (2 female, 1 male) to New York Medical Center, School of Medicine, New York, NY.

10-20-92 24 Aotus (10 female, 14 male) to University of Hawaii, Honolulu, HA.

4. All monkeys deacquired during this report period.

4. All monkeys deacquired during this report period.

No monkeys were deacquired from USA during this report period.

5. Lists, by species, of animals that have died with necropsy findings are attached to this report.

6. Tables listing, by species, all animals born during the reporting period are attached to this report.

7. Travel during this report period.

The only travel during this report period was made by Dr. Abee (12/16/92) to the CDC at Atlanta, GA, to discuss T. cruzi infection in AID animals.

8. Key personnel changes during the reporting period.

None

9. Subcontracts and consultancies supported by this program.

None

10. Publications and presentations relevant to the AID contract.

Baer, J.F., Gibson, S.V., Weller, R.E., Buschbom, R.L., and Leathers, C.W.: Naturally occurring aortic aneurysms in owl monkeys (Aotus sp.). Lab. Anim. Sci., 42(5):463-466, 1992.

ID ORDER LISTING: LEGEND

Rec# Record number

ID Monkey identification number

SEX F indicates female, M indicates male, U is unknown

SPECIES Designates karyotype for the Aotus and species for Saimiri

- 1 karyotype I Aotus nancymai
- 2 karyotype II Aotus lemurinus grisiembra
- 3 karyotype III Aotus lemurinus grisiembra
- 4 karyotype IV Aotus lemurinus grisiembra
- 5 karyotype V Aotus vociferans
- 10 unknown karyotype

- B Saimiri boliviensis boliviensis
- G Saimiri sciureus
- P Saimiri boliviensis peruviansis

SPLENE. Splenectomy status

- Y Monkey has been splenectomized
- N Monkey has not been splenectomized
- U Splenectomy history is unknown

MALARIA History of experimental malaria infection

- Y Monkey has been infected with malaria
- N Monkey has not been infected with malaria
- U Malarial infection history is unknown

BREEDER History of reproductive performance

- Y Monkey has produced offspring
- N Monkey has not produced offspring
- U Reproductive history is unknown

COUNTRY Country of origin

ACQ SOURCE Acquisition source (person, organization, or country from which USAID acquired the monkey)

- examples: UNM University of New Mexico
Birth Monkey born in colony

ACQ DATE Date monkey was acquired by USAID

T. CRUZI Results of serologic testing for antibodies to Trypanasoma cruzi

SERO+

- N No titer
- Y Titer of $\geq 1:8$
- U Monkey has not been tested

DEPARTMENT OF COMPARATIVE MEDICINE
 ID Order Listing
 Printed for 01/01/93

Rec.#	ID	SEX	SPECIES	SPLENE.	MALARIA	BREEDER	COUNTRY	ACQ SOURCE	ACQ DATE	T. CRUZI SERO +
1	90004	F	B	U	Y	N	Bolivia	Iquitos Peru	11/03/87	N
2	90017	F	B	U	Y	N	Bolivia	Matt Block	04/07/86	N
3	90024	M	B	U	Y	N	Bolivia	Matt Block	11/03/87	N
4	90028	F	B	U	Y	Y	Bolivia	Matt Block	04/07/86	Y
5	90039	F	B	U	N	Y	Bolivia	Matt Block	05/19/87	Y
6	90070	F	B	U	Y	N	Bolivia	Matt Block	04/07/86	N
7	90075	F	B	Y	Y	U	Bolivia	Matt Block	03/26/92	Y
8	90077	F	B	U	N	Y	Bolivia	Matt Block	04/07/86	N
9	90088	F	B	U	Y	N	Bolivia	Matt Block	04/07/86	Y
10	90094	F	B	U	Y	U	Bolivia	Matt Block	03/26/92	Y
11	90104	M	B	N	N	N	Bolivia	Matt Block	08/01/89	N
12	90106	M	B	Y	Y	U	Bolivia	Matt Block	03/26/92	Y
13	90107	F	B	Y	Y	N	Bolivia	Matt Block	04/07/86	Y
14	90110	M	B	U	Y	N	Bolivia	Matt Block	04/07/86	Y
15	90112	F	B	U	Y	U	Bolivia	Matt Block	03/26/92	N
16	90117	F	B	U	N	Y	Bolivia	Matt Block	05/19/87	Y
17	90123	F	B	U	Y	N	Bolivia	Matt Block	04/07/86	Y
18	90128	F	B	U	N	N	Bolivia	Matt Block	04/07/86	Y
19	90129	F	B	U	N	N	Bolivia	Matt Block	04/07/86	N
20	90131	F	B	U	Y	N	Bolivia	Matt Block	04/07/86	Y
21	90138	F	B	U	Y	N	Bolivia	Matt Block	04/07/86	Y
22	90142	F	B	U	N	N	Bolivia	Matt Block	04/07/86	Y
23	90145	M	B	U	N	N	Bolivia	Matt Block	08/24/89	N
24	90154	F	B	U	N	N	Bolivia	Matt Block	04/07/86	N
25	90158	F	B	U	Y	N	Bolivia	Matt Block	04/07/86	Y
26	90162	F	B	U	Y	N	Bolivia	Matt Block	04/07/86	Y
27	90164	F	B	U	N	N	Bolivia	Matt Block	04/07/86	Y
28	90174	F	B	U	Y	N	Bolivia	Matt Block	04/07/86	N
29	90175	F	B	U	Y	N	Bolivia	Matt Block	04/07/86	N
30	90197	F	B	U	Y	Y	Bolivia	Matt Block	04/07/86	Y
31	90200	F	B	U	N	N	Bolivia	Matt Block	04/07/86	N
32	90211	F	B	U	N	N	Bolivia	Matt Block	04/07/86	Y
33	90213	F	B	U	Y	N	Bolivia	Matt Block	04/07/86	Y
34	90214	F	B	U	N	N	Bolivia	Matt Block	04/07/86	Y
35	90225	F	B	U	Y	N	Bolivia	Matt Block	04/07/86	Y
36	90248	F	B	U	N	N	Bolivia	Matt Block	04/07/86	Y
37	90257	F	B	U	Y	N	Bolivia	Matt Block	04/07/86	Y
38	90259	F	B	U	Y	N	Bolivia	Matt Block	04/07/86	Y
39	90261	F	B	U	N	N	Bolivia	Matt Block	04/07/86	N
40	90262	F	B	U	N	N	Bolivia	Matt Block	04/07/86	N
41	90269	F	B	Y	Y	N	Bolivia	Matt Block	04/07/86	N
42	90297	F	B	U	N	N	Bolivia	Matt Block	04/07/86	Y
43	90301	F	B	U	N	N	Bolivia	Matt Block	04/07/86	N
44	90303	F	B	U	N	N	Bolivia	Matt Block	04/07/86	Y
45	90307	F	B	U	N	N	Bolivia	Matt Block	04/07/86	N
46	90311	F	B	U	Y	N	Bolivia	Matt Block	04/07/86	Y
47	90315	F	B	U	N	N	Bolivia	Matt Block	04/07/86	N
48	90321	F	B	U	Y	N	Bolivia	Matt Block	04/07/86	Y
49	90323	F	B	U	Y	N	Bolivia	Matt Block	04/07/86	Y
50	90330	M	B	U	Y	N	Bolivia	Matt Block	04/07/86	Y
51	90362	F	B	U	N	N	Bolivia	Matt Block	04/07/86	Y
52	90422	M	B	Y	Y	N	Bolivia	South America	05/29/84	Y

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DEPARTMENT OF COMPARATIVE MEDICINE
 ID Order Listing
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Rec.#	ID	SEX	SPECIES	SPLENE.	MALARIA	BREEDER	COUNTRY	ACQ SOURCE	ACQ DATE	T. CRUZI SERO +
53	90425	M	B	Y	Y	N	Bolivia	Buckshire Farms	12/02/85	Y
54	90584	M	B	N	Y	N	Bolivia	unknown	01/01/80	N
55	90605	F	B	U	Y	N	Bolivia	Matt Block	10/12/87	N
56	90611	M	B	U	N	U	Bolivia	Matt Block	10/12/87	Y
57	90612	M	B	U	N	U	Bolivia	Matt Block	10/12/87	Y
58	90619	F	B	U	Y	N	Bolivia	Matt Block	10/12/87	Y
59	90622	F	B	U	Y	N	Bolivia	Matt Block	10/12/87	N
60	90623	F	B	U	Y	N	Bolivia	Matt Block	10/12/87	Y
61	90656	F	B	U	N	N	Bolivia	Battelle	09/27/88	N
62	90669	M	B	U	N	N	Bolivia	Birth	07/28/89	N
63	90671	F	B	N	N	N	Bolivia	Birth	07/11/89	N
64	90672	F	B	N	N	N	Bolivia	Birth	07/18/89	N
65	90673	M	B	N	N	N	Bolivia	Birth	03/10/89	N
66	90674	F	B	N	N	N	Bolivia	Birth	03/01/89	N
67	90675	M	B	N	N	N	Bolivia	Birth	06/27/89	N
68	90676	M	B	N	N	N	Bolivia	Birth	07/31/89	N
69	90677	M	B	N	N	N	Bolivia	Matt Block	03/28/90	Y
70	90682	M	B	N	N	N			09/19/91	Y
71	90704	F	B	U	N	N	Peru	Battelle	08/05/89	N
72	90705	M	B	U	N	N	Peru	Battelle	08/12/89	N
73	90707	F	B	N	N	N	Bolivia	Battelle	08/17/89	N
74	90708	M	B	N	N	N	Bolivia	Battelle	08/17/89	N
75	90710	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
76	90711	F	B	N	N	N	Bolivia	Matt Block	08/01/89	Y
77	90712	M	B	N	N	N	Bolivia	Matt Block	08/01/89	N
78	90713	F	B	N	N	N	Bolivia	Matt Block	08/01/89	Y
79	90714	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
80	90715	M	B	N	N	N	Bolivia	Matt Block	08/01/89	N
81	90717	F	B	N	N	N	Bolivia	Matt Block	08/01/89	Y
82	90726	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
83	90728	M	B	N	N	N	Bolivia	Matt Block	08/01/89	Y
84	90730	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
85	90732	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
86	90733	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
87	90734	F	B	N	N	N	Bolivia	Matt Block	08/01/89	Y
88	90739	F	B	N	N	N	Bolivia	Matt Block	08/01/89	Y
89	90741	F	B	N	N	N	Bolivia	Matt Block	08/01/89	Y
90	90743	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
91	90744	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
92	90745	M	B	N	N	N	Bolivia	Matt Block	08/01/89	N
93	90746	F	B	N	N	N	Bolivia	Matt Block	08/01/89	Y
94	90747	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
95	90748	M	B	N	N	Y	Bolivia	Matt Block	08/01/89	N
96	90749	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
97	90750	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
98	90751	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
99	90752	M	B	N	N	N	Bolivia	Matt Block	08/01/89	N
100	90754	F	B	N	N	N	Bolivia	Matt Block	08/01/89	Y
101	90755	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
102	90756	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
103	90757	F	B	N	N	N	Bolivia	Matt Block	08/01/89	Y
104	90758	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N

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105	90760	M	B	N	N	N	Bolivia	Matt Block	08/01/89	N
106	90761	F	B	N	N	N	Bolivia	Matt Block	08/01/89	Y
107	90762	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
108	90765	F	B	N	N	Y	Bolivia	Matt Block	08/01/89	N
109	90766	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
110	90768	M	B	N	N	N	Bolivia	Matt Block	08/01/89	N
111	90770	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
112	90772	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
113	90773	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
114	90774	M	B	N	N	N	Bolivia	Matt Block	08/01/89	N
115	90776	F	B	N	N	N	Bolivia	Matt Block	08/01/89	Y
116	90778	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
117	90779	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
118	90780	F	B	N	N	N	Bolivia	Matt Block	08/01/89	Y
119	90781	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
120	90782	F	B	N	N	N	Bolivia	Matt Block	08/01/89	Y
121	90784	M	B	N	N	N	Bolivia	Matt Block	08/01/89	N
122	90785	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
123	90786	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
124	90787	F	B	N	N	N	Bolivia	Matt Block	08/01/89	Y
125	90788	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
126	90789	F	B	N	N	N	Bolivia	Matt Block	08/01/89	Y
127	90790	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
128	90791	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
129	90792	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
130	90793	F	B	N	N	N	Bolivia	Matt Block	08/01/89	Y
131	90794	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
132	90795	F	B	N	N	N	Bolivia	Matt Block	08/01/89	Y
133	90796	M	B	N	N	N	Bolivia	Matt Block	08/01/89	N
134	90797	F	B	N	N	N	Bolivia	Matt Block	08/01/89	Y
135	90798	M	B	N	N	N	Bolivia	Matt Block	08/01/89	N
136	90799	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
137	90800	M	B	N	N	N	Bolivia	Matt Block	08/01/89	N
138	90801	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
139	90802	F	B	N	N	N	Bolivia	Matt Block	08/01/89	N
140	90804	F	B	U	N	N	Bolivia	Matt Block	08/01/89	Y
141	90806	M	B	U	N	N	Bolivia	Matt Block	06/29/89	Y
142	90807	M	B	N	N	N	Bolivia	Matt Block	11/03/87	N
143	90812	M	B	N	N	N	Bolivia	Battelle	12/26/89	N
144	90815	M	B	N	N	N	Bolivia	Birth	04/15/90	N
145	90818	F	B	N	N	N	Bolivia	Birth	04/18/90	N
146	90819	F	B	N	N	N	Bolivia	Birth	04/19/90	N
147	90820	F	B	N	N	N	Bolivia	Birth	04/20/90	N
148	90821	F	B	N	Y	N	Bolivia	Birth	04/21/90	N
149	90823	M	B	N	N	N	Bolivia	Birth	04/23/90	N
150	90824	M	B	N	N	N	Bolivia	Birth	04/25/90	N
151	90825	F	B	N	N	N	Bolivia	Birth	04/26/90	N
152	90828	M	B	N	N	N	Bolivia	Birth	05/01/90	N
153	90830	M	B	N	N	N	Bolivia	Birth	05/05/90	N
154	90832	M	B	N	N	N	Bolivia	Birth	05/16/90	N
155	90835	M	B	N	N	N	Bolivia	Birth	05/23/90	N
156	90838	F	B	N	N	N	Bolivia	Birth	05/27/90	N

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157	90840	M	B	N	N	N	Bolivia	Birth	05/30/90	N
158	90843	F	B	N	N	N	Bolivia	Birth	06/04/90	N
159	90845	F	B	N	N	N	Bolivia	Birth	06/07/90	N
160	90846	F	B	N	N	N	Bolivia	Birth	06/10/90	N
161	90848	M	B	N	N	N	Bolivia	Birth	06/11/90	N
162	90850	M	B	N	N	N	Bolivia	Birth	06/13/90	N
163	90851	F	B	N	N	N	Bolivia	Birth	06/15/90	N
164	90852	M	B	N	N	N	Bolivia		06/15/90	N
165	90854	F	B	N	N	N	Bolivia	Birth	06/15/90	N
166	90855	F	B	N	N	N	Bolivia	Birth	06/24/90	N
167	90856	M	B	N	N	N	Bolivia	Birth	06/25/90	N
168	90857	F	B	N	N	N	Bolivia	Birth	06/25/90	N
169	90858	M	B	N	N	N	Bolivia	Birth	06/27/90	N
170	90861	F	B	N	N	N	Bolivia	Birth	07/03/90	N
171	90862	M	B	N	N	N	Bolivia	Birth	07/03/90	N
172	90863	M	B	N	N	N	Bolivia	Birth	07/05/90	N
173	90864	M	B	N	N	N	Bolivia	Birth	07/09/90	N
174	90865	F	B	N	N	N	Bolivia	Birth	07/12/90	N
175	90868	F	B	N	N	N	Bolivia	Birth	07/18/90	N
176	90869	F	B	N	N	N	Bolivia	Birth	07/18/90	N
177	90870	F	B	N	N	N	Bolivia	Birth	07/29/90	N
178	90871	F	B	N	N	N	Bolivia	Birth	07/20/90	N
179	90873	F	B	N	N	N	Bolivia	Birth	07/22/90	N
180	90874	F	B	N	N	N	Bolivia	Birth	07/23/90	N
181	90878	M	B	N	N	N	Bolivia	Birth	07/25/90	N
182	90879	M	B	N	N	N	Bolivia	Birth	07/27/90	N
183	90880	M	B	N	N	N	Bolivia	Birth	07/30/90	N
184	90881	M	B	N	N	N	Bolivia	Birth	08/02/90	N
185	90883	F	B	N	N	N	Bolivia	Birth	08/08/90	N
186	90885	M	B	N	N	N	Bolivia	Birth	08/14/90	N
187	90886	M	B	N	N	N	Bolivia	Birth	08/15/90	N
188	90888	M	B	N	N	N	Bolivia	Birth	08/31/90	N
189	90889	M	B	N	N	N	Bolivia	Birth	09/05/90	N
190	90890	F	B	N	N	N	Bolivia	Birth	09/11/90	N
191	90891	F	B	N	N	N	Bolivia	Birth	09/12/90	N
192	90893	F	B	N	N	N	Bolivia	Birth	09/16/90	N
193	90894	F	B	N	N	N	Bolivia	Birth	09/16/90	N
194	90895	F	B	N	N	N	Bolivia	Birth	09/16/90	N
195	90904	M	B	U	Y	N	Bolivia	Matt Block	07/28/87	Y
196	90909	M	B	U	Y	N	Bolivia	Matt Block	07/28/87	Y
197	90919	F	B	U	Y	N	Bolivia	Matt Block	12/24/86	Y
198	91001	F	B	N	N	N	Bolivia	Birth	10/01/90	N
199	91002	M	B	U	U	U	Bolivia	Birth	10/13/90	N
200	91003	M	B	U	U	U	Bolivia	Birth	10/26/90	N
201	91004	F	B	U	U	U	Bolivia	Birth	11/01/90	N
202	91007	F	B	N	N	N	Bolivia	Birth	09/26/91	N
203	91009	M	B	U	U	U	unknown	Birth	04/22/91	N
204	91011	F	B	U	U	U	Bolivia	Birth	04/29/91	N
205	91013	M	B	U	U	U	Bolivia	Birth	05/03/91	N
206	91014	M	B	U	U	U	Bolivia	Birth	05/06/91	N
207	91015	M	B	U	U	U	Bolivia	Birth	05/12/91	N
208	91017	M	B	U	U	U	Bolivia	Birth	05/14/91	N

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209	91019	M	B	U	U	U	Bolivia	Birth	05/17/91	N
210	91020	M	B	U	U	U	Bolivia	Birth	05/21/91	N
211	91021	F	B	U	U	U	Bolivia	Birth	05/21/91	N
212	91022	F	B	U	U	U	Bolivia	Birth	05/23/91	N
213	91024	F	B	U	U	U	Bolivia	Birth	05/28/91	N
214	91025	M	B	U	U	U	Bolivia	Birth	06/01/91	N
215	91027	F	B	U	U	U	Bolivia	Birth	06/03/91	N
216	91028	M	B	U	U	U	Bolivia	Birth	06/03/91	N
217	91029	F	B	U	U	U	Bolivia	Birth	06/04/91	N
218	91030	M	B	U	U	U	Bolivia	Birth	06/05/91	N
219	91031	F	B	U	U	U	Bolivia	Birth	06/08/91	N
220	91033	F	B	U	U	U	Bolivia	Birth	06/12/91	N
221	91034	M	B	U	U	U	Bolivia	Birth	06/18/91	N
222	91036	M	B	U	U	U	Bolivia	Birth	06/19/91	N
223	91038	M	B	U	U	U	Bolivia	Birth	06/21/91	N
224	91039	M	B	U	U	U	Bolivia	Birth	06/24/91	N
225	91043	M	B	U	U	U	Bolivia	Birth	06/28/91	N
226	91044	M	B	U	U	U	Bolivia	Birth	07/01/91	N
227	91046	F	B	U	U	U	Bolivia	Birth	07/05/91	N
228	91047	M	B	U	U	U	Bolivia	Birth	07/05/91	N
229	91048	M	B	U	U	U	Bolivia	Birth	07/09/91	N
230	91049	F	B	U	U	U	Bolivia	Birth	07/15/91	N
231	91050	M	B	U	U	U	Bolivia	Birth	07/19/91	N
232	91051	F	B	U	U	U	Bolivia	Birth	07/19/91	N
233	91052	M	B	U	U	U	Bolivia	Birth	07/22/91	N
234	91054	F	B	U	U	U	Bolivia	Birth	07/24/91	N
235	91056	M	B	U	U	U	Bolivia	Birth	08/01/91	N
236	91057	F	B	U	U	U	Bolivia	Birth	08/02/91	N
237	91059	M	B	U	U	U	Bolivia	Birth	08/06/91	N
238	91061	M	B	U	U	U	Bolivia	Birth	08/13/91	N
239	91063	M	B	U	U	U	Bolivia	Birth	08/13/91	N
240	91064	F	B	U	U	U	Bolivia	Birth	08/23/91	N
241	91065	F	B	U	U	U	Bolivia	Birth	08/27/91	N
242	91068	F	B	N	N	N	Bolivia	Birth	09/19/91	N
243	91069	F	B	U	U	U	Bolivia	Birth	02/06/92	N
244	91071	F	B	N	N	Y	Bolivia	Birth	09/09/91	N
245	91072	M	B	N	N	N	Bolivia	Birth	02/06/92	N
246	92001	F	B	N	N	Y	USA	Birth	09/18/91	U
247	92002	F	B	N	N	Y	USA	Birth	09/21/91	U
248	92004	M	B	N	N	Y	USA	Birth	10/07/91	U
249	92005	F	B	N	N	Y	USA	Birth	10/21/91	U
250	92006	M	B	N	N	Y	USA	Birth	10/23/91	U
251	92008	M	B	N	N	Y	USA	Birth	10/26/91	U
252	92009	F	B	N	N	Y	USA	Birth	11/01/91	U
253	92010	F	B	N	N	Y	USA	Birth	02/18/92	U
254	92011	F	B	N	N	Y	USA	Birth	02/28/92	U
255	92013	F	B	N	Y	Y	USA	Birth	03/08/92	U
256	92014	F	B	N	Y	Y	USA	Birth	03/09/92	U
257	92016	F	B	N	Y	Y	USA	Birth	03/16/92	U
258	92018	M	B	N	N	N	USA	Birth	03/21/92	U
259	92020	F	B	N	N	N	USA	Birth	04/09/92	U
260	92022	F	B	N	N	N	USA	Birth	04/15/92	U

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261	92027	F	B	N	N	N	USA	Birth	05/16/92	U
262	92029	M	B	N	N	N	USA	Birth	05/31/92	U
263	92033	F	B	N	N	N	USA	Birth	07/02/92	U
264	92034	M	B	N	N	N	USA	Birth	07/06/92	U
265	92035	F	B	N	N	N	USA	Birth	07/07/92	U
266	92039	F	B	N	N	N	USA	Birth	07/10/92	U
267	92040	F	B	N	N	N	USA	Birth	07/10/92	U
268	92042	M	B	N	N	N	USA	Birth	07/12/92	U
269	92043	M	B	N	N	N	USA	Birth	07/12/92	U
270	92045	M	B	N	N	N	USA	Birth	07/13/92	U
271	92046	F	B	N	N	N	USA	Birth	07/14/92	U
272	92047	M	B	N	N	N	USA	Birth	07/14/92	U
273	92050	F	B	N	N	N	USA	Birth	07/15/92	U
274	92053	M	B	N	N	N	USA	Birth	07/28/92	U
275	9_055	M	B	N	N	N	USA	Birth	08/02/92	U
276	92057	F	B	N	N	N	USA	Birth	08/11/92	U
277	92058	M	B	N	N	N	USA	Birth	08/11/92	U
278	92059	F	B	N	N	N	USA	Birth	08/17/92	U
279	92060	M	B	N	N	N	USA	Birth	08/20/92	U
280	92063	F	B	N	N	N	USA	Birth	09/03/92	U
281	92065	M	B	N	N	N	USA	Birth	09/10/92	U

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1	80010	M	2	U	N	U	Colombia	UNM	12/28/82	N
2	80042	F	2	U	N	U	Colombia	UNM	12/27/82	N
3	80107	F	2	U	N	U	Colombia		05/08/83	N
4	80120	M	3	U	Y	Y	Colombia	UNM	12/27/82	N
5	80138	F	2	U	N	U	Colombia	UNM	12/27/82	Y
6	80139	M	2	U	N	U	Colombia	UNM	12/27/82	N
7	80140	M	2	U	N	U	Colombia		01/10/84	N
8	80171	F	2	U	N	U	Colombia		05/03/85	N
9	80183	F	1	U	N	U	Peru	Peru	07/15/85	N
10	80184	F	1	U	N	Y	Peru	Peru	07/15/85	N
11	80190	F	1	U	N	U	Peru	Peru	07/15/85	N
12	80193	F	1	U	N	U	Peru	Peru	07/15/85	N
13	80195	M	1	N	N	U	Peru	Peru	07/15/85	N
14	80305	M	2	N	Y	U	Colombia		03/09/78	N
15	80308	F	3	N	Y	U	Colombia	South Americ	05/01/80	N
16	80311	F	3	N	N	Y	Colombia	South Americ	11/04/81	Y
17	80313	F	2	N	Y	U	Colombia	South Americ	11/04/81	N
18	80315	M	3	N	N	U	Colombia		12/08/78	N
19	80321	F	3	N	N	U	Colombia		03/23/80	N
20	80323	F	2	N	N	U	Colombia		11/10/80	N
21	80325	M	2	N	N	U	Colombia		12/29/80	N
22	80327	F	2	N	N	U	Colombia		05/24/81	N
23	80330	F	3	N	Y	U	Colombia		05/04/84	N
24	80331	M	3	U	Y	U	Colombia		05/01/85	N
25	80332	F	3	U	Y	U	Colombia		08/13/85	N
26	80353	M	3	N	Y	Y	Colombia	South Americ	08/13/78	N
27	80362	M	2	N	Y	U	Colombia	South Americ	07/28/81	N
28	80364	M	3	N	Y	U	Colombia	South Americ	07/28/81	N
29	80367	F	3	N	Y	U	Colombia	South Americ	07/28/81	N
30	80372	F	3	N	N	U	Colombia	Agouron	11/13/89	N
31	80379	M	2	U	N	U	Colombia	Colombia	02/14/78	Y
32	80389	F	2	U	N	U	Colombia	Colombia	02/14/78	N
33	80392	F	3	U	N	U	Colombia	Colombia	02/14/78	Y
34	80414	M	2	U	N	U	Colombia		04/29/85	N
35	80464	M	1	U	N	U	Peru	Peru	07/15/85	N
36	80469	M	2	U	N	U	Colombia		08/21/85	N
37	80652	M	1	U	N	Y	Peru	Iquitos Peru	01/29/87	N
38	80665	M	1	U	N	U	Peru	Iquitos Peru	01/29/87	N
39	80668	M	1	U	N	U	Peru	Iquitos Peru	01/29/87	N
40	80669	M	1	U	N	Y	Peru	Iquitos Peru	01/29/87	N
41	80670	M	1	U	N	Y	Peru	Iquitos Peru	01/29/87	N
42	80672	F	1	U	N	U	Peru	Iquitos Peru	01/29/87	N
43	80673	F	1	U	N	U	Peru	Iquitos Peru	01/29/87	N
44	80680	F	1	U	N	U	Peru	Iquitos Peru	01/29/87	N
45	80682	M	1	U	N	U	Peru	Iquitos Peru	01/29/87	N
46	80684	M	1	U	N	U	Peru	Iquitos Peru	01/29/87	N
47	80691	F	1	U	N	U	Peru	Iquitos Peru	01/29/87	N
48	80694	F	1	U	N	U	Peru	Iquitos Peru	01/29/87	N
49	80703	M	1	U	N	U	Peru	Iquitos Peru	02/10/87	N
50	80704	M	10	U	N	U	Peru	Iquitos Peru	02/10/87	N
51	80705	M	5	U	N	U	Peru	Iquitos Peru	02/10/87	N
52	80706	M	5	U	N	U	Peru	Iquitos Peru	02/10/87	N

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Rec.#	ID	SEX	SPECIES	SPLENE.	MALARIA	BREEDER	COUNTRY	ACQ SOURCE	ACQ DATE	T. CRUZI SERO +
53	80710	M	5	U	N	U	Peru	Iquitos Peru	02/10/87	N
54	80712	F	1	U	N	U	Peru	Iquitos Peru	02/10/87	N
55	80715	M	1	U	N	Y	Peru	Iquitos Peru	02/10/87	N
56	80717	M	1	U	N	U	Peru	Iquitos Peru	02/10/87	N
57	80720	M	1	U	N	U	Peru	Iquitos Peru	02/10/87	N
58	80721	F	1	U	N	U	Peru	Iquitos Peru	02/10/87	N
59	80722	M	1	U	N	U	Peru	Iquitos Peru	02/10/87	N
60	80723	M	1	U	N	U	Peru	Iquitos Peru	02/10/87	N
61	80724	F	1	U	N	U	Peru	Iquitos Peru	02/10/87	N
62	80728	M	1	U	N	U	Peru	Iquitos Peru	02/10/87	N
63	80731	M	1	U	N	U	Peru	Iquitos Peru	02/10/87	N
64	80732	M	5	U	N	U	Peru	Iquitos Peru	02/10/87	N
65	80734	F	1	U	N	U	Peru	Iquitos Peru	02/10/87	N
66	80735	M	1	U	N	U	Peru	Iquitos Peru	02/10/87	N
67	80738	F	1	U	N	U	Peru	Iquitos Peru	02/10/87	N
68	80739	M	1	U	N	U	Peru	Iquitos Peru	02/10/87	N
69	80743	F	1	U	N	U	Peru	Iquitos Peru	02/10/87	N
70	80754	M	1	N	N	U	Peru	Iquitos Peru	05/26/87	N
71	80757	M	1	U	N	U	Peru	Iquitos Peru	05/26/87	N
72	80773	F	1	N	N	Y	Peru	Iquitos Peru	05/26/87	N
73	80818	M	1	U	N	U	Peru	Iquitos Peru	07/09/87	N
74	80830	F	1	U	U	U	Peru	Iquitos Peru	07/09/87	N
75	80861	F	1	U	N	Y	Peru	Iquitos Peru	08/18/87	N
76	80867	F	1	U	N	U	Peru	Iquitos Peru	08/18/87	N
77	80876	M	1	U	N	Y	Peru	Iquitos Peru	08/18/87	N
78	80883	F	1	U	N	U	Peru	Iquitos Peru	08/18/87	N
79	80890	M	1	U	N	Y	Peru	Iquitos Peru	08/18/87	N
80	80891	F	1	U	N	Y	Peru	Iquitos Peru	08/18/87	N
81	80901	F	1	U	N	U	Peru	Iquitos Peru	08/18/87	N
82	80912	F	1	U	N	U	Peru	Iquitos Peru	08/19/87	N
83	80915	F	1	U	N	U	Peru	Iquitos Peru	08/19/87	N
84	80930	M	1	U	N	Y	Peru	Iquitos Peru	08/19/87	N
85	80931	F	1	U	N	Y	Peru	Iquitos Peru	08/19/87	N
86	80932	F	1	U	N	U	Peru	Iquitos Peru	08/19/87	N
87	80933	F	1	U	N	U	Peru	Iquitos Peru	08/19/87	N
88	80940	F	1	U	N	U	Peru	Iquitos Peru	08/19/87	N
89	80967	M	1	U	N	U	Peru	Iquitos Peru	03/04/88	N
90	80981	F	1	U	N	U	Peru	Iquitos Peru	03/04/88	N
91	80983	M	1	U	N	U	Peru	Iquitos Peru	03/04/88	N
92	81002	F	1	U	N	U	Peru	Iquitos Peru	03/04/88	N
93	81004	F	1	U	N	Y	Peru	Iquitos Peru	03/04/88	N
94	81010	F	1	U	N	U	Peru	Iquitos Peru	03/04/88	N
95	81016	M	1	U	N	U	Peru	Iquitos Peru	03/04/88	N
96	81019	M	1	U	N	Y	Peru	Iquitos Peru	03/04/88	N
97	81024	M	1	U	N	U	Peru	Iquitos Peru	03/04/88	N
98	81026	F	1	U	N	Y	Peru	Iquitos Peru	03/04/88	N
99	81034	F	1	U	N	U	Peru	Iquitos Peru	04/13/88	N
100	81044	M	1	U	N	U	Peru	Iquitos Peru	04/13/88	N
101	81052	M	1	U	N	Y	Peru	Iquitos Peru	04/13/88	N
102	81067	F	1	U	N	U	Peru	Iquitos Peru	04/13/88	N
103	81081	F	1	U	N	Y	Peru	Iquitos Peru	05/18/88	N
104	81101	F	1	U	N	U	Peru	Iquitos Peru	05/18/88	N

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Rec.#	ID	SEX	SPECIES	SPLENE.	MALARIA	BREEDER	COUNTRY	ACQ SOURCE	ACQ DATE	T. CRUZI SERO +
105	81104	M	1	U	N	U	Peru	Iquitos Peru	05/18/88	N
106	81112	M	1	U	N	Y	Peru	Iquitos Peru	05/18/88	N
107	81113	F	1	U	N	Y	Peru	Iquitos Peru	05/18/88	N
108	81114	M	1	U	N	U	Peru	Iquitos Peru	05/18/88	N
109	81117	M	1	U	N	Y	Peru	Iquitos Peru	05/18/88	N
110	81123	M	1	U	N	U	Peru	Iquitos Peru	05/18/88	N
111	81125	M	1	U	N	Y	Peru	Iquitos Peru	05/18/88	N
112	81126	F	1	U	N	U	Peru	Iquitos Peru	05/18/88	N
113	81127	F	1	U	N	Y	Peru	Iquitos Peru	05/18/88	N
114	81128	M	1	U	N	U	Peru	Iquitos Peru	05/18/88	N
115	81138	F	1	U	N	U	Peru	Iquitos Peru	05/25/88	N
116	81140	M	1	N	N	N	Peru	Iquitos	05/25/88	N
117	81156	F	1	U	N	U	Peru	Iquitos Peru	05/25/88	N
118	81157	M	1	U	N	U	Peru	Iquitos Peru	05/25/88	N
119	81158	F	1	U	N	U	Peru	Iquitos Peru	05/25/88	N
120	81159	M	1	U	N	U	Peru	Iquitos Peru	05/25/88	N
121	81160	F	1	U	N	U	Peru	Iquitos Peru	05/25/88	N
122	81169	M	1	U	N	U	Peru	Iquitos Peru	05/25/88	N
123	81194	M	2	U	N	U		Battelle	10/19/88	N
124	81219	M	1	U	N	U	Peru	Battelle	01/25/89	N
125	81235	M	1	U	N	U		Battelle	04/11/89	N
126	81262	F	2	U	N	U	Colombia	Battelle	05/31/89	N
127	81277	F	1	U	N	U	Peru	Battelle	07/04/89	N
128	81279	F	1	U	N	U	Peru	Battelle	07/10/89	N
129	81285	F	1	U	N	U	Peru	Battelle	07/22/89	N
130	81288	M	1	U	N	U	Peru	Battelle	07/30/89	N
131	81295	F	1	U	N	U	Peru	Battelle	08/26/89	N
132	81298	F	1	U	N	U	Peru	Battelle	08/31/89	N
133	81299	F	1	U	N	U	Peru	Battelle	09/03/89	N
134	81301	M	1	U	N	U	Peru	Battelle	09/06/89	N
135	81307	F	1	U	N	U	Peru	Battelle	09/26/89	N
136	81312	M	1	U	N	U	Peru	Battelle	10/11/89	N
137	81313	F	1	U	N	U	Peru	Battelle	10/12/89	N
138	81314	M	1	U	N	U	Peru	Battelle	10/15/89	N
139	81315	M	1	U	N	U	Peru	Battelle	10/18/89	N
140	81324	M	5	U	N	U	Peru	Iquitos Peru	10/25/89	Y
141	81327	M	5	U	N	P	Peru	Iquitos Peru	10/25/89	Y
142	81328	M	5	U	N	U	Peru	Iquitos Peru	10/25/89	Y
143	81331	F	5	U	N	U	Peru	Iquitos Peru	10/25/89	Y
144	81333	F	5	U	N	U	Peru	Iquitos Peru	10/25/89	Y
145	81338	F	5	U	N	U	Peru	Iquitos Peru	10/25/89	N
146	81339	M	5	U	N	U	Peru	Iquitos Peru	10/25/89	Y
147	81340	M	5	U	N	U	Peru	Iquitos Peru	10/25/89	N
148	81341	F	5	U	N	U	Peru	Iquitos Peru	10/25/89	N
149	81346	F	5	U	N	U	Peru	Iquitos Peru	10/25/89	N
150	81349	M	5	U	N	U	Peru	Iquitos Peru	10/25/89	N
151	81355	M	1	U	N	U	Peru	Battelle	10/29/89	N
152	81358	F	1	U	N	U	Peru	Battelle	11/01/89	N
153	81362	M	1	U	N	U	Peru	Battelle	11/20/89	N
154	81364	F	1	U	N	U	Peru	Battelle	11/21/89	N
155	81366	F	1	N	N	N	Peru	Birth	11/27/89	N
156	81368	M	1	U	N	U	Peru	Battelle	11/29/89	N

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157	81369	M	1	U	N	U	Peru	Battelle	12/11/89	N
158	81376	M	1	U	N	U	Peru	Battelle	12/21/89	N
159	81379	F	1	N	N	N	Peru	Battelle	01/02/90	N
160	81407	F	1	N	N	N	Peru	Battelle	02/01/90	N
161	81410	F	1	N	N	N	unknown	Birth	02/10/90	N
162	81418	M	1	N	N	N	Peru	Battelle	03/05/90	N
163	81423	M	1	N	N	N	Peru	Birth	03/15/90	N
164	81432	F	1	N	N	N	Peru	Birth	04/07/90	N
165	81438	M	1	N	N	N	Peru	Birth	05/04/90	N
166	81440	M	1	N	N	N	Peru	Birth	05/07/90	N
167	81442	M	1	N	N	N	Peru	Birth	05/13/90	N
168	81463	F	1	N	N	N	Peru	Birth	06/27/90	N
169	81506	F	1	N	N	N	Peru	Birth	12/11/90	N
170	81507	M	1	N	N	N	Peru	Birth	12/17/90	N
171	81510	F	1	N	N	N	Peru	Birth	12/30/90	N
172	81511	F	1	N	N	N	Peru	Birth	12/31/90	N
173	81513	M	1	N	N	N	Peru	Birth	01/09/91	N
174	81514	F	1	N	N	N	Peru	Birth	01/09/91	N
175	81515	M	1	N	N	N	Peru	Birth	01/09/91	N
176	81516	F	1	U	N	U	Peru	Battelle	01/09/91	N
177	81518	F	1	N	N	N	Peru	Birth	10/14/91	N
178	81520	F	1	N	N	N	Peru	Birth	01/24/91	N
179	81528	F	1	N	N	N	Peru	Birth	07/17/90	N
180	81530	F	1	N	N	N	Peru	Birth	07/30/90	N
181	81532	M	1	N	N	N	Peru	Birth	08/02/90	N
182	81534	M	1	N	N	N	Peru	Birth	08/13/90	N
183	81535	F	1	N	N	N	Peru	Birth	08/13/90	N
184	81542	F	1	N	N	N	Peru	Birth	09/06/90	N
185	81543	F	1	N	N	N	Peru	Birth	09/12/90	N
186	81545	F	1	N	N	N	Peru	Birth	09/17/90	N
187	81546	M	1	N	N	N	Peru	Birth	09/18/90	N
188	81549	M	1	N	N	N	Peru	Birth	09/28/90	N
189	81553	M	1	N	N	N	Peru	Birth	10/11/90	N
190	81555	M	1	N	N	N	Peru	Birth	10/29/90	N
191	81558	M	1	N	N	N	Peru	Birth	11/19/90	N
192	81563	F	1	N	N	N	Peru	Birth	11/28/90	N
193	81567	M	1	U	U	U	Peru	Birth	02/14/91	N
194	81571	M	1	N	N	N	Peru	Birth	02/22/91	N
195	81578	F	5	U	U	U	Peru	Birth	04/11/91	N
196	81579	M	1	U	U	U	Peru	Birth	04/14/91	N
197	81582	F	1	U	U	U	Peru	Birth	04/22/91	N
198	81586	F	1	U	U	U	Peru	Birth	05/03/91	N
199	81588	M	1	U	U	U	Peru	Birth	05/08/91	N
200	81592	F	1	U	U	U	Peru	Birth	06/01/91	N
201	81593	F	5	U	U	U	Peru	Birth	06/03/91	N
202	81597	M	1	U	U	U	Peru	Birth	06/12/91	N
203	81599	M	1	U	U	U	Peru	Birth	06/17/91	N
204	81600	F	1	U	U	U	Peru	Birth	06/26/91	N
205	81605	F	1	U	U	U	Peru	Birth	07/05/91	N
206	81607	F	1	U	U	U	Peru	Birth	07/12/91	N
207	81608	F	1	U	U	U	Peru	Birth	07/14/91	N
208	81610	F	1	U	U	U	Peru	Birth	07/18/91	N

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209	81611	F	1	U	U	U	Peru	Birth	07/23/91	N
210	81615	M	1	U	U	U	Peru	Birth	08/20/91	N
211	81618	M	1	U	U	U	Peru	Birth	08/22/91	N
212	81621	F	1	N	N	Y			09/07/91	N
213	81622	M	1	N	N	Y			09/07/91	N
214	81624	F	1	N	N	Y			09/12/91	N
215	81625	M	1	N	N	N			09/30/91	N
216	81632	M	1	N	N	Y			10/07/91	N
217	81633	M	1	N	N	Y			10/07/91	N
218	81634	F	1	N	N	Y			10/09/91	N
219	82001	F	1	N	N	N	USA	Birth	10/02/91	N
220	82002	M	1	N	N	Y	USA	Birth	10/08/91	N
221	82007	M	1	N	Y	Y	USA	Birth	10/22/91	N
222	82009	F	1	N	Y	Y	USA	Birth	11/09/91	N
223	82013	M	3	N	N	Y	USA	Birth	02/26/92	N
224	82016	M	2	N	N	N	USA	Birth	03/16/92	N
225	82017	M	1	N	N	N	USA	Birth	03/18/92	N
226	82019	M	1	N	N	N	USA	Birth	04/03/92	N
227	82023	M	2	N	N	N	USA	Birth	04/21/92	N
228	82027	F	1	N	N	N	USA	Birth	05/18/92	N
229	82028	F	1	N	N	N	USA	Birth	05/26/92	N
230	82029	M	2	N	N	N	USA	Birth	06/24/92	N
231	82032	F	1	N	N	N	USA	Birth	07/01/92	N
232	82036	F	1	N	N	N	USA	Birth	08/01/92	U
233	82037	F	1	N	N	N	USA	Birth	08/03/92	U
234	82040	M	2	N	N	N	USA	Birth	09/13/92	U
235	82041	F	1	N	N	N	USA	Birth	09/18/92	U
236	82042	F	2	N	N	N	USA	Birth	09/29/92	U
237	82046	F	2	N	N	N	USA	Birth	10/08/92	U
238	82047	F	5	N	N	N	USA	Birth	10/11/92	U
239	82048	M	1	N	N	N	USA	Birth	10/13/92	U
240	82050	M	1	N	N	N	USA	Birth	10/25/92	U
241	82051	F	1	N	N	N	USA	Birth	10/27/92	U
242	82052	M	1	N	N	N	USA	Birth	10/31/92	U
243	82053	M	1	N	N	N	USA	Birth	11/12/92	U
244	82054	F	1	N	N	N	USA	Birth	11/16/92	U
245	82055	F	2	N	N	N	USA	Birth	11/17/92	U
246	82057	F	2	N	N	N	USA	Birth	11/25/92	U
247	82059	U	1	N	N	N	USA	Birth	12/07/92	U
248	82062	U	1	N	N	N	USA	Birth	12/13/92	U
249	82063	F	2	N	N	N	USA	Birth	12/14/92	U
250	82067	U	1	N	N	N	USA	Birth	12/19/92	U
251	82068	U	1	N	N	N	USA	Birth	12/19/92	U
252	82070	U	2	N	N	N	USA	Birth	12/20/92	U
253	82071	U	5	N	N	N	USA	Birth	12/27/92	U
254	82193	M	5	N	N	N	USA	Birth	03/31/92	U
255	82360	M	5	N	N	N	Peru	Iquitos	03/31/92	U
256	82392	M	5	N	N	N	Peru	Iquitos	03/31/92	U
257	82394	F	5	N	N	N	Peru	Iquitos	03/31/92	U
258	82395	M	5	N	N	N	Peru	Iquitos	03/31/92	U
259	82396	M	5	N	N	N	Peru	Iquitos	03/31/92	U
260	82397	M	5	N	N	N	Peru	Iquitos	03/31/92	U

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261	82398	M	5	N	N	N	Peru	Iquitos	03/31/92	U
262	82399	M	5	N	N	N	Peru	Iquitos	03/31/92	U
263	82400	F	5	N	N	N	Peru	Iquitos	03/31/92	U
264	82401	F	5	N	N	N	Peru	Iquitos	03/31/92	U
265	82402	M	5	N	N	N	Peru	Iquitos	03/31/92	U
266	82403	F	5	N	N	N	Peru	Iquitos	03/31/92	U
267	82404	F	5	N	N	N	Peru	Iquitos	03/31/92	U
268	82405	F	5	N	N	N	Peru	Iquitos	03/31/92	U
269	82407	F	5	N	N	N	Peru	Iquitos	03/31/92	U
270	82416	F	5	N	N	N	Peru	Iquitos	07/09/92	U
271	82417	F	5	N	N	N	Peru	Iquitos	03/31/92	U
272	82420	F	5	N	N	N	Peru	Iquitos	03/31/92	U
273	82421	M	5	N	N	N	Peru	Iquitos	03/31/92	U
274	82424	M	5	N	N	N	Peru	Iquitos	03/31/92	U
275	82425	M	5	N	N	N	Peru	Iquitos	03/31/92	U
276	82427	M	5	N	N	N	Peru	Iquitos	03/31/92	U
277	82428	M	5	N	N	N	Peru	Iquitos	03/31/92	U
278	82429	F	5	N	N	N	Peru	Iquitos	03/31/92	U
279	82431	M	5	N	N	N	Peru	Iquitos	03/31/92	U
280	82432	M	5	N	N	N	Peru	Iquitos	03/31/92	U
281	82437	F	5	N	N	N	Peru	Iquitos	03/31/92	U
282	82441	F	5	N	N	N	Peru	Iquitos	03/31/92	U
283	82453	M	5	N	N	N	Peru	Iquitos	03/31/92	U
284	82454	F	5	N	N	N	Peru	Iquitos	03/31/92	U
285	82455	M	5	N	N	N	Peru	Iquitos	03/31/92	U
286	84002	F	2	U	N	Y	England	Welcome Found.	10/03/88	U
287	84003	F	2	N	N	Y	England	Welcome Found.	07/20/90	U
288	84004	F	2	N	N	Y	England	Welcome Found.	04/08/91	U
289	84005	M	2	N	N	Y	England	Welcome Found.	01/24/92	U
290	84006	F	2	N	N	Y	England	Welcome Found.	01/24/92	U
291	84008	M	2	N	N	Y	England	Welcome Found.	01/24/92	U
292	84009	F	2	N	N	Y	England	Welcome Found.	01/24/92	U
293	84011	F	2	N	N	Y	England	Welcome Found.	01/24/92	U
294	84012	M	2	N	N	Y	England	Welcome Found.	06/02/90	U
295	84013	M	2	N	N	Y	England	Welcome Found.	02/07/91	U
296	84014	M	2	N	N	Y	England	Welcome Found.	01/24/92	U
297	84015	F	2	N	N	Y	England	Welcome Found.	01/24/92	U
298	84016	M	2	N	N	Y	England	Welcome Found.	06/01/89	U
299	84017	M	2	N	N	Y	England	Welcome Found.	04/06/90	U
300	84018	F	2	N	N	Y	England	Welcome Found.	01/12/92	U
301	84019	M	2	N	N	Y	England	Welcome Found.	01/24/92	U
302	84020	F	2	N	N	Y	England	Welcome Found.	01/24/92	U
303	84021	F	2	N	N	Y	England	Welcome Found.	01/06/91	U
304	84022	F	2	N	N	Y	England	Welcome Found.	01/24/92	U
305	84023	M	2	N	N	Y	England	Welcome Found.	01/08/88	U
306	84024	M	2	N	N	Y	England	Welcome Found.	10/14/89	U
307	84025	M	2	N	N	Y	England	Welcome Found.	01/24/92	U
308	84026	F	2	N	N	Y	England	Welcome Found.	11/02/86	U
309	84027	F	2	N	N	Y	England	Welcome Found.	01/24/92	U
310	84028	M	2	N	N	Y	England	Welcome Found.	09/09/89	U
311	84029	M	2	N	N	Y	England	Welcome Found.	09/13/90	U
312	84030	M	2	N	N	Y	England	Welcome Found.	01/24/92	U

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DEPARTMENT OF COMPARATIVE MEDICINE
 ID Order Listing
 Printed for 01/01/93

Rec.#	ID	SEX	SPECIES	SPLENE.	MALARIA	BREEDER	COUNTRY	ACQ SOURCE	ACQ DATE	T. CRUZI SERO +
313	84031	F	2	N	N	Y	England	Welcome Found.	01/24/92	U
314	84033	M	2	N	N	Y	England	Welcome Found.	04/26/89	U
315	84034	M	2	N	N	Y	England	Welcome Found.	01/22/90	U
316	84035	F	2	N	N	Y	England	Welcome Found.	09/21/91	U
317	84037	F	2	N	N	Y	England	Welcome Found.	01/24/92	U
318	84038	M	2	N	N	Y	England	Welcome Found.	03/24/90	U
319	84039	M	2	N	N	Y	England	Welcome Found.	05/11/89	U
320	84040	M	2	N	N	Y	England	Welcome Found.	01/28/91	U
321	84041	M	2	N	N	Y	England	Welcome Found.	01/24/92	U
322	84042	F	2	N	N	Y	England	Welcome Found.	08/04/88	U
323	84043	M	2	N	N	Y	England	Welcome Found.	01/24/92	U
324	84045	M	2	N	N	Y	England	Welcome Found.	12/14/90	U
325	84046	F	2	N	N	Y	England	Welcome Found.	08/12/91	U
326	84047	M	2	N	N	Y	England	Welcome Found.	01/24/92	U
327	84049	F	2	N	N	Y	England	Welcome Found.	07/24/90	U
328	84050	F	2	N	N	Y	England	Welcome Found.	03/23/91	U
329	84051	F	2	N	N	Y	England	Welcome Found.	10/05/91	U
330	84052	M	2	N	N	Y	England	Welcome Found.	01/24/92	U
331	84053	F	2	N	N	Y	England	Welcome Found.	01/24/92	U
332	84054	M	2	N	N	Y	England	Welcome Found.	06/04/89	U
333	84055	M	2	N	N	Y	England	Welcome Found.	01/24/92	U
334	84056	F	2	N	N	Y	England	Welcome Found.	01/24/92	U
335	84057	F	2	N	N	Y	England	Welcome Found.	11/17/87	U
336	84058	M	2	N	N	Y	England	Welcome Found.	03/08/89	U
337	84059	M	2	N	N	Y	England	Welcome Found.	01/24/92	U
338	84060	F	2	N	N	Y	England	Welcome Found.	01/24/92	U
339	84061	F	2	N	N	Y	England	Welcome Found.	08/08/90	U
340	84062	F	2	N	N	Y	England	Welcome Found.	08/21/91	U
341	84063	M	2	N	N	Y	England	Welcome Found.	01/24/92	U
342	84064	F	2	N	N	Y	England	Welcome Found.	01/24/92	U
343	84065	F	2	N	N	Y	England	Welcome Found.	06/12/88	U
344	84066	M	2	N	N	Y	England	Welcome Found.	12/20/90	U
345	84067	F	2	N	N	Y	England	Welcome Found.	07/28/91	U
346	84176	M	5	N	N	N	England	Welcome Found.	03/31/92	U
347	84301	F	5	N	N	N	Peru	Iquitos	03/31/92	U
348	84396	F	5	N	N	N	Peru	Iquitos	03/31/92	U
349	84865	F	5	N	N	N	Peru	Iquitos	03/31/92	U
350	84964	M	5	N	N	N	Peru	Iquitos	03/31/92	U

BIRTH STATISTICS REPORT: LEGEND

ID Monkey identification number

SEX F indicates female, M indicates male, U is unknown

SPECIES Designates karyotype for the Aotus and species for Saimiri

1	karyotype I	<u>Aotus nancymai</u>
2	karyotype II	<u>Aotus lemurinus grisiembra</u>
3	karyotype III	<u>Aotus lemurinus grisiembra</u>
4	karyotype IV	<u>Aotus lemurinus grisiembra</u>
5	karyotype V	<u>Aotus vociferans</u>
10	unknown karyotype	

B Saimiri boliviensis boliviensis

G Saimiri sciureus

P Saimiri boliviensis peruviansis

DAM Mother of the monkey, blank space designates unknown

SIRE Father of the monkey, blank space designates unknown

TYPE Type of birth

A Abortion

S Stillbirth

L Live birth

DYSTOCIA Delivery was abnormal Y, or normal N

CONDITION Condition of the infant when first examined after birth

D dead

F fair

G good

P poor

WEIGHT Birth weight in grams

NURSERY Y Infant was placed in the nursery

N Infant was not placed in the nursery

DATE_SHIPPED Date the infant died

DESTINATION Type of death

ABORTION

STILLBIRTH

NECROPSIED Live birth that died

DEPARTMENT OF COMPARATIVE MEDICINE
Primate Research Laboratory
Birth Statistics Report

ID	SEX	SPECIES	DATE	DAM	SIRE	TYPE	DYSTOCIA	CONDITION	WEIGHT	NURSERY	DATE_SHIPPED	DESTINATION ¹
92032	U	B	07/01/92	90135	A	N	D		84 N		07/01/92	ABORTION
92033	F	B	07/02/92	90070	L	N	G		112 N			
92034	M	B	07/06/92	90734	L	N	G		104 N			
92035	F	B	07/07/92	90162	L	N	G		104 N			
92036	M	B	07/07/92	90732	L	N	G		102 N		07/07/92	NECROPSIED
Trauma (probably by the dam), cannibalized.												
92037	U	B	07/08/92	90804	A	N	D		24 N		07/08/92	NECROPSIED
Abortion, stage 3.												
92038	F	B	07/08/92	90107	L	N	D		72 N		07/09/92	NECROPSIED
Low birth weight infant, cannibalized.												
92039	F	B	07/10/92	90224	L	Y	G		106 Y			
92040	F	B	07/10/92	90754	L	N	G		92 N			
92041	F	B	07/11/92	90017	L	N	G		84 Y		07/13/92	NECROPSIED
Peritonitis, meningitis, low birth weight infant.												
92042	M	B	07/12/92	90211	L	N	G		98 N			
92043	M	B	07/12/92	90797	L	N	G		128 N			
92044	F	B	07/12/92	90094	S	Y	D		110 N		07/12/92	STILLBIRTH
92045	M	B	07/13/92	90778	L	N	G		98 Y			
92046	F	B	07/14/92	90755	L	N	F		94 N			
92047	M	B	07/14/92	90223	L	N	G		114 N			
92049	F	B	07/14/92	90042	L	N	G		98 N		07/22/92	NECROPSIED
Open. Death may be due to a hypoglycemic episode and/or secondary to tail trauma.												
92050	F	B	07/15/92	90780	L	N	G		124 N			
92052	F	B	07/18/92	90123	L	N	P		110 Y		07/18/92	NECROPSIED
Massive skull fracture with accompanying meningeal hemorrhage resulted in the death of this animal.												
92051	F	B	07/20/92	90214	L	N	G		90 N		11/02/92	NECROPSIED
Lesions are consistent with a systemic infection. Staphylococcus aureus was isolated from the brain and spleen. Colonies of gram positive cocci were observed in multiple histologic tissue sections.												
92053	M	B	07/28/92	90743	L	N	G		120 N			

92054	U	B	08/02/92	90619	A	N	D		15 N		08/02/92	ABORTION
92055	M	B	08/02/92	90787	L	N	G		106 N			
92056	M	B	08/05/92	90175	A	N	D		66 N		08/05/92	ABORTION
92057	F	B	08/11/92	90307	L	N	G		102 N			
92058	M	B	08/11/92	90261	L	N	G		88 N			
92059	F	B	08/17/92	90164	L	N	G		108 N			
92060	M	B	08/20/92	90303	L	N	G		114 N			
92061	M	B	08/24/92	90362	L	N	D		87 N		08/24/92	NECROPSIED
Skull fractures, partial evisceration, live birth, stage 4.												

92062	F	B	09/02/92	90789	O	S	N	D	104 N		09/02/92	STILLBIRTH
92063	F	B	09/03/92	90741	L	N	G		126 N			
92064	F	B	09/09/92	90793	L	N	G		88 N		10/07/92	NECROPSIED
Open, possibly due to bilateral skull fractures; however, the lack of hemorrhage at the fracture sites indicate that the fractures may have occurred after death.												
92065	M	B	09/10/92	90248	L	N	G		108 N			
92066	F	B	09/22/92	90623	L	N	G		110 N		09/25/92	NECROPSIED
Euthanasia, icterus.												

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DEPARTMENT OF COMPARATIVE MEDICINE
Primate Research Laboratory
Birth Statistics Report

ID	SEX	SPECIES	DATE	DAM	SIRE	TYPE	DYSTOCIA	CONDITION	WEIGHT	NURSERY	DATE_SHIPPED	DESTINATION
82031	F	1	07/01/92	80931	80729	A	N	D	48 N		07/01/92	ABORTION
82032	F	1	07/01/92	80932	80195	L	N	G	0 N			
82033	F	2	07/08/92	84031	84030	L	N	G	0 N		07/23/92	NECROPSIED
Euthanasia, trauma, parental rejection.												
82034	U	2	07/13/92	80313	80403	A	N	D	17 N		07/13/92	ABORTION
Abortion, stage 2.												
82035	M	1	07/16/92	81101	81044	S	Y	D	0 N		07/16/92	STILLBIRTH
82036	F	1	08/01/92	80830	81114	L	N	G	0 N			
82037	F	1	08/03/92	81160	81159	L	N	G	0 N			
82038	U	3	08/21/92	80129	80128	A	N	D	63 N		08/21/92	ABORTION
82039	M	3	08/30/92	80308	80315	A	N	D	0 N		08/30/92	ABORTION
82040	M	2	09/13/92	84056	84055	L	N	G	0 N			
82041	F	1	09/18/92	80915	80731	L	N	G	0 N			
82042	F	2	09/29/92	80171	80140	L	N	G	0 N			
82043	U	1	10/01/92	80861	80876	A	N	D	0 N		10/01/92	ABORTION
82044	M	5	10/07/92	84301	82402	L	N	P	63 N		10/07/92	NECROPSIED
Euthanasia, premature infant, parental rejection.												
82045	U	3	10/07/92	80311	80120	A	N	D	30 N		10/07/92	ABORTION
82046	F	2	10/08/92	80107	80325	L	N	G	0 N			
82047	F	5	10/11/92	81332	81327	L	N	G	0 N			
82048	M	1	10/13/92	80184	80670	L	N	G	0 N			
82049	F	3	10/22/92	80392	80387	A	N	D	28 N		10/22/92	ABORTION
82050	M	1	10/25/92	80672	80668	L	N	G	0 N			
82051	F	1	10/27/92	80891	80890	L	N	G	0 N			
82052	M	1	10/31/92	80981	80983	L	N	G	0 N			
82053	M	1	11/12/92	80190	81024	L	N	G	0 N			
82054	F	1	11/16/92	81299	81315	L	N	G	0 N			
82055	F	2	11/17/92	80327	80305	L	N	G	0 N			
82056	F	2	11/17/92	80323	80010	L	N	F	0 N		11/21/92	NECROPSIED
The low body weight, small biparietal diameter and gross appearance of this animal all suggest prematurity. The apparent lesions in the lung suggest pulmonary edema or pneumonia, however, this is believed to be secondary to the multiple problems related to premature birth.												
82057	F	2	11/25/92	84064	84063	L	N	G	0 N			
82058	U	1	11/29/92	80933	80754	A	N	D	17 N		11/29/92	ABORTION
82059	U	1	12/07/92	81113	81112	L	N	G	0 N			
82060	M	1	12/11/92	80183	80818	L	N	P	61 N		12/12/92	NECROPSIED
Humane euthanasia, premature live birth.												
82061	F	1	12/12/92	81634	80739	L	N	D	92 N		12/12/92	NECROPSIED
Premature live birth.												
82062	U	1	12/13/92	80738	80739	L	N	G	0 N			
82063	F	2	12/14/92	80721	80720	L	N	G	0 N			
82064	F	1	12/15/92	81158	81157	L	N	P	73 N		12/15/92	NECROPSIED
Humane euthanasia, premature live birth.												
82065	M	2	12/16/92	84020	84019	L	N	G	0 N		12/18/92	NECROPSIED
The body weight, lack of hair, and overall appearance of this infant suggest either prematurity or growth retardation. This is one of several premature births and abortions that occurred during the time in which floors were painted in this facility.												
82066	M	1	12/17/92	80901	80652	A	N	D	61 N		12/17/92	ABORTION
82067	U	1	12/19/92	80694	80684	L	N	G	0 N			

DEPARTMENT OF COMPARATIVE MEDICINE
 Primate Research Laboratory
 Birth Statistics Report

ID	SEX	SPECIES	DATE	DAM	SIRE	TYPE	DYSTOCIA	CONDITION	WEIGHT	NURSERY	DATE_SHIPPED	DESTINATION
82068	U	1	12/19/92	81101	81044	L	N	G		O N		
82069	F	1	12/19/92	80967	81002	L	N	G		O N	12/27/92	NECROPSIED
Death is most likely due to poor lactation or abandonment by the dam. Examination of the dam revealed she was not lactating.												
82070	U	2	12/20/92	84031	84030	L	N	G		O N		
82071	U	5	12/27/92	81578	81339	L	N	G		O N		

NECROPSY REPORT LISTING: LEGEND

ID Monkey identification number

DATE Date of death

AGE_CLASS General age category at death

SEX F indicates female, M indicates male, U is unknown

SPECIES Designates karyotype for the Aotus and species for Saimiri

1	karyotype I	<u>Aotus nancymai</u>
2	karyotype II	<u>Aotus lemurinus grisiembra</u>
3	karyotype III	<u>Aotus lemurinus grisiembra</u>
4	karyotype IV	<u>Aotus lemurinus grisiembra</u>
5	karyotype V	<u>Aotus vociferans</u>
10	unknown karyotype	

B Saimiri boliviensis boliviensis

G Saimiri sciureus

P Saimiri boliviensis peruviansis

SOURCE Origin of monkey immediately prior to coming to the University of South Alabama or if born at the University of South Alabama

BATTELLE Battelle Northwest Laboratories

UNIV MIAMI University of Miami

WELCOME Wellcome Foundation, U. K.

U OF S AL University of South Alabama

DATE_RECEIVED Date monkey was acquired by USAID or date of birth

LOG_NUM Necropsy number

Cause of Death Code (indicated by a single number at the end of the line)

0	Not designated
1	Natural causes
2	Humane euthanasia
3	Trauma
4	Stillbirth
5	Abortion
6	Sale or trade
7	Project euthanasia
8	Research-related death
99	Unknown

DEPARTMENT OF COMPARATIVE MEDICINE
Primate Research Laboratory
Necropsy Report

ID	DATE	AGE_CLASS	SEX	SPECIES	SOURCE	DATE_RECEIVED	LOG_NUM	
92032	07/01/92	FETUS	U	B	U OF S AL	07/01/92	131PL92	5 Late stage 2 abortion.
92030	07/03/92	INFANT	F	B	U OF S AL	06/29/92	133PL92	0 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.
90135	07/05/92	ADULT	F	B	BATTELLE	04/07/86	134PL92	0 Multifocal pneumonia appears to be the cause of death in this case. The lesions appear to be of long standing and may predate the lesions of the tail. The possibility that lesions of the tail and lungs are related, with injuries of the tail acting as route of entry for an invading organism, cannot be ruled out.
92036	07/07/92	INFANT	M	B	U OF S AL	07/07/92	136PL92	3 Trauma (probably by the dam), cannibalized.
92037	07/08/92	FETUS	U	B	U OF S AL	07/08/92	137PL92	0 Abortion, stage 3.
92038	07/09/92	INFANT	F	B	U OF S AL	07/08/92	138PL92	0 Low birth weight infant, cannibalized.
90224	07/10/92	ADULT	F	B	BATTELLE	04/07/86	139PL92	0 Uterine prolapse, blood loss.
92041	07/13/92	INFANT	F	B	U OF S AL	07/11/92	146PL92	0 Peritonitis, meningitis, low birth weight infant.
92044	07/13/92	INFANT	F	B	U OF S AL	07/12/92	144PL92	4 Stillbirth, c-section, stage 4.
92052	07/18/92	INFANT	F	B	U OF S AL	07/18/92	156PL92	0 Massive skull fracture with accompanying meningeal hemorrhage resulted in the death of this animal.
92049	07/22/92	INFANT	F	B	U OF S AL	07/14/92	161PL92	0 Open. Death may be due to a hypoglycemic episode and/or secondary to tail trauma.
92054	08/02/92	FETUS	U	B	U OF S AL	08/02/92	169PL92	5 Abortion, stage 2.
92056	08/06/92	FETUS	M	B	U OF S AL	08/05/92	171PL92	5 Abortion, stage 3.
90153	08/09/92	ADULT	F	B	CDC	03/26/92	172PL92	0 Gastric distension, diaphragmatic compression, and lung lesions indicate that bloat was the cause of death in this case. The gastric distention is less than in previously observed cases, but it is judged to be sufficient to have compromised respiration especially in an animal that was already sick.
90078	08/15/92	ADULT	M	B	CDC	03/26/92	176PL92	0 Cellulitis, muscle necrosis, trauma due to bite wounds with possible septicemia. As this animal had been splenectomized it was much more susceptible to post traumatic bacterial infection.

DEPARTMENT OF COMPARATIVE MEDICINE
Primate Research Laboratory
Necropsy Report

ID	DATE	AGE_CLASS	SEX	SPECIES	SOURCE	DATE_RECEIVED	LOG_NUM	
90151	08/18/92	ADULT	M	B	CDC	03/26/92	177PL92	0

Euthanasia, multifocal trauma due to bite wounds, cellulitis, abscess, acute hemorrhagic typhlocolitis, and Enterobius vermicularis (pinworm) infection. Feces were submitted for parasitologic exam, as well as worms fixed in alcohol. Cecal contents, abscess, and heart blood were submitted to microbiology. Pseudomonas aeruginosa and Klebsiella pneumoniae were isolated from the cecum. The abscess contained Staphylococcus aureus, and B hemolytic streptococci. No growth was observed in the blood culture.

90185	08/19/92	ADULT	M	B	CDC	03/26/92	178PL92	2
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Euthanasia, trauma due to monkey bites, cellulitis, splenectomy.

92061	08/24/92	INFANT	M	B	U OF S AL	08/24/92	184PL92	0
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Skull fractures, partial evisceration, live birth, stage 4.

92062	09/02/92	INFANT	F	B	U OF S AL	09/02/92	187PL92	4
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Stillbirth, stage 4.

90223	09/16/92	ADULT	F	B	BATTELLE	04/07/86	191PL92	2
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Euthanasia, splenectomy.

92066	09/25/92	INFANT	F	B	U OF S AL	09/22/92	193PL92	2
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Euthanasia, icterus.

90922	10/01/92	ADULT	M	B	BATTELLE	06/05/88	195PL92	2
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Euthanasia, bite trauma, cellulitis.

MICROBIOLOGY:

Staphylococcus aureus was recovered from the areas of cellulitis.

92064	10/07/92	INFANT	F	B	U OF S AL	09/09/92	200PL92	0
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Open, possibly due to bilateral skull fractures; however, the lack of hemorrhage at the fracture sites indicate that the fractures may have occurred after death.

92051	11/03/92	INFANT	F	B	U OF S AL	07/20/92	206PL92	0
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Lesions are consistent with a systemic infection.

Staphylococcus aureus was isolated from the brain and spleen.

Colonies of gram positive cocci were observed in multiple histologic tissue sections.

90042	11/09/92	ADULT	F	B	BATTELLE	04/07/86	207PL92	2
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Humane euthanasia, cellulitis secondary to bite wound trauma, splenectomy. Staphylococcus aureus and Pseudomonas maltophilia were isolated from the areas of cellulitis.

DEPARTMENT OF COMPARATIVE MEDICINE
Primate Research Laboratory
Necropsy Report

ID	DATE	AGE_CLASS	SEX	SPECIES	SOURCE	DATE_RECEIVED	LOG_NUM
82031	07/01/92	FETUS	F	1	U OF S AL	07/01/92	130PL92 5
Abortion.							
81620	07/13/92	YEARLING	M	2	BATTELLE	09/30/91	145PL92 2
Euthanasia. The disease seen in this infant is consistent with a malabsorption syndrome.							
82034	07/13/92	FETUS	U	2	U OF S AL	07/13/92	147PL92 5
Abortion, stage 2.							
82422	07/14/92	ADULT	M	5	UNIV MIAMI	03/31/92	148PL92 0
Euthanasia, renal failure.							
82035	07/17/92	INFANT	M	1	U OF S AL	07/16/92	152PL92 4
Stillbirth, stage 4.							
80462	07/18/92		F	1	BATTELLE	07/15/85	157PL92 0
The aorta was traced through its full length through the abdominal cavity on the suspicion that an aneurysm resulted in the large amount of hemorrhage into the subcapsular region of the kidney. No such aneurysms were found in the aorta, however, it was impossible to fully trace the renal artery where such an aneurysm may have been located. Although this animal had a blood sample taken on 07/17/92 it would seem unlikely that hemorrhage might occur by extension into the capsule from this blood sampling and cause such a rapid death after 24 hours. This possibility however, can not be ruled out.							
80403	07/19/92		M	2	BATTELLE	04/18/83	159PL92 0
No gross diagnosis was established.							
82033	07/23/92	INFANT	F	2	U OF S AL	07/08/92	163PL92 2
Euthanasia, trauma, parental rejection.							
80815	07/28/92	ADULT	F	1	BATTELLE	06/09/87	165PL92 0
Acute pulmonary edema, cardiomegaly.							
80317	08/10/92	ADULT	M	2	BATTELLE	01/04/79	173PL92 0
Acute enterocolitis.							
82026	08/11/92	INFANT	F	1	U OF S AL	05/15/92	174PL92 0
Lesions are consistent with anemia; cachexia.							
82393	08/20/92	ADULT	F	5	MIAMI	07/09/92	179PL92 0
Splenomegaly, hepatomegaly, and typhlitis probably due to a fungal infection, and a possible E. coli septicemia. This animal also had a microfilaremia. The microfilaria were observed in the impression smears from the spleen and also in a earlier blood sample.							
82038	08/21/92	FETUS	U	3	U OF S AL	08/21/92	181PL92 5
Abortion, stage 3, cannibalized.							
82039	08/30/92	FETUS	M	3	U OF S AL	08/30/92	185PL92 5
Abortion, stage 2, cannibalized.							
80309	09/28/92	ADULT	F	2	BATELLE	11/04/81	194PL92 0
Dissecting aneurysm of the thoracic aorta, possible pancreatitis and renal failure. Blood work is consistent with an acute inflammatory process and cessation of glomerular filtration.							
82043	10/01/92	FETUS	U	1	U OF S AL	10/01/92	197PL92 5
Abortion, stage 2, cannibalized.							
84010	10/01/92	ADULT	M	2	WELCOME	01/24/92	196PL92 0
Renal failure, pulmonary edema, pericardial and abdominal effusion, dissecting aneurysm of the thoracic aorta.							

DEPARTMENT OF COMPARATIVE MEDICINE
Primate Research Laboratory
Necropsy Report

ID	DATE	AGE_CLASS	SEX	SPECIES	SOURCE	DATE_RECEIVED	LOG_NUM	
82045	10/07/92	FETUS	U	3	U OF S AL	10/07/92	198PL92	5
		Abortion, stage 2.						
82044	10/09/92	INFANT	M	5	U OF S AL	10/07/92	201PL92	2
		Euthanasia, premature infant, parental rejection.						
82049	10/22/92	FETUS	F	3	U OF S AL	10/22/92	202PL92	5
		Abortion, stage 2.						
81370	10/28/92	ADULT	F	1	BATTELLE	12/11/89	204PL92	0
		Congestive heart failure, cardiomegaly.						

82056	11/21/92	INFANT	F	2	U OF S AL	11/17/92	208PL92	0
		The low body weight, small biparietal diameter and gross appearance of this animal all suggest prematurity. The apparent lesions in the lung suggest pulmonary edema or pneumonia, however, this is believed to be secondary to the multiple problems related to premature birth.						
80687	11/30/92	ADULT	M	1	BATTELLE	01/29/87	209PL92	0
		Intussusception, enlarged heart with a weight greater than 1% body weight, enlarged thyroid glands.						
82058	11/30/92	FETUS	U	1	U OF S AL	11/29/92	210PL92	5
		Abortion, stage 3, cannibalized.						

81332	12/04/92	ADULT	F	5	BATTELLE	10/25/89	211PL92	0
		Atrial and aortic thrombi, cardiomyopathy, acute hemorrhagic renal infarction.						
82060	12/12/92	INFANT	M	1	U OF S AL	12/11/92	214PL92	0
		Humane euthanasia, premature live birth.						
82061	12/12/92	INFANT	F	1	U OF S AL	12/12/92	215PL92	0
		Premature live birth.						
82430	12/12/92	ADULT	F	5	UNIV MIAMI	03/31/92	213PL92	0
		Cardiomegaly, pulmonary edema.						
82064	12/16/92	INFANT	F	1	U OF S AL	12/15/92	216PL92	2
		Humane euthanasia, premature live birth.						
82066	12/17/92	FETUS	M	1	U OF S AL	12/17/92	217PL92	5
		Abortion, stage 3.						
82065	12/18/92	INFANT	M	2	U OF S AL	12/16/92	218PL92	0
		The body weight, lack of hair, and overall appearance of this infant suggest either prematurity or growth retardation. This is one of several premature births and abortions that occurred during the time in which floors were painted in this facility.						
82069	12/27/92	INFANT	F	1	U OF S AL	12/19/92	219PL92	0
		Death is most likely due to poor lactation or abandonment by the dam. Examination of the dam revealed she was not lactating.						

Necropsy Screen

[757]

ID : < 82031> Death Date: 07/01/92
Necropsy Date: <07/01/92 > Sex: F

BAH Destination: ABORTION
Age Class: FETUS

Necropsy#: <130PL92 >

Time: 1430 Prosector: SVG

Weights:	
Body:	48
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.:	23.55
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: { 5}

[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:	
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 aborted on the morning of 07/01/92. Its dam, #80931, was paired with another mate, #81723, the previous day.

ABNORMALITIES:

A badly deteriorated female owl monkey fetus is presented for necropsy. There is a very small amount of hair on the top of the head, including vibrissae. There is no hair anywhere else. The skin is dark black to red and tightly adhered to the underlying tissues. There is moderate postmortem decomposition of the tissues.

GROSS DIAGNOSIS:

Abortion.

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Necropsy Screen

[758]

ID : < 92032> Death Date: 07/01/92
Necropsy Date: <07/01/92 > Sex: U

BAH Destination: ABORTION
Age Class: FETUS

Necropsy#: <131PL92 >

Time: 1425 Prosector: SVG

Weights:	
Body:	84
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.:	25.51
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. 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:	

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CLINICAL ABSTRACT:

The mother of this fetus had been removed from its run due to tail trauma. During an examination it aborted fetus #92032.

ABNORMALITIES:

The fetus, placenta, and amnionic sac are presented intact. The fetus is nonhaired. Biparietal diameter measurements place this fetus in stage two of development.

Note

The fetal unit was preserved intact in formalin.

GROSS DIAGNOSIS:

Late stage 2 abortion.

Necropsy Screen

[760]

ID : < 92030 > Death Date: 07/03/92
Necropsy Date: <07/03/92 > Sex: F

BAH Destination: NECROPSIED
Age Class: INFANT

Necropsy#: <133PL92 >

Time: 1100 Prosector: AGB

Weights:	
Body:	78
Liver:	2.46
Spleen:	0.1600
Lung:	1.9900
Brain:	14.6400
Heart:	0.4500
Left Kidney:	0.2700
Right Kidney:	0.2700
Left Adrenal:	0.0500
Right Adrenal:	0.0700
Thymus:	0.0000

Measurements:	
Crown-Rump:	11.60
Crown-Heel:	0.00
Head Circ:	12.80
Bipar. Diam.:	30.80
Arm:	0.00
Femur:	30.60
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:	
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:

The mother of this Bolivian squirrel monkey female is animal #90710. This animal arrived from Battelle in the fall of 1991. She has had no reported illnesses since her arrival. She was received by Battelle in 1989. Infant #92030 was born on 6/29/92 with a body weight of 96 grams and a glucose measurement of 56. The infant was found dead on morning observations on the morning of 07/03/92.

No clinical diagnosis was established in this case.

ABNORMALITIES:

There are multiple fractures of the skull with subperiosteal hemorrhage in the same areas. One fracture is 3.5 cm in length and runs from the longitudinal suture to the left parietal region. The suture lines are unusually inelastic for a newborn. No corresponding areas of meningeal hemorrhage are noted for the fractures noted above.

GROSS DIAGNOSIS:

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.

Necropsy Screen

[761]

ID : < 90135> Death Date: 07/05/92
 Necropsy Date: <07/05/92 > Sex: F

BAH Destination: NECROPSIED
 Age Class: ADULT

Necropsy#: <134PL92 >

Time: 0 Prosector: AGB

Weights:	
Body:	644
Liver:	28.00
Spleen:	0.0000
Lung:	0.0000
Brain:	23.6000
Heart:	5.6200
Left Kidney:	2.7900
Right Kidney:	2.9300
Left Adrenal:	0.2900
Right Adrenal:	0.1400
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:	Y
Tissues Frozen:	
Tissues Fixed:	
Outgoing Samples:	
Photos:	Y
Other:	

Cause of Death Code: ()

[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:

CLINICAL ABSTRACT:

This animal was presented because of an abortion on 07/01/92 and also had tail trauma on that date. The tail was amputated on 07/01/92. On 07/02/92 the tail was once again examined and showed ascending gangrenous lesions and a second amputation was performed. Over the next two days the animal was observed to have what was considered to be an excessive amount of bleeding. On 07/05/92 the animal appeared to be depressed, had a temperature of approximately 99 degrees Fahrenheit, a hematocrit of 25%, and continued to have a small amount of bleeding from the vagina. The tail stump also looked discolored on this date. During attempts to treat the animal she went into respiratory arrest. She was successfully resuscitated, however, shortly thereafter she went into cardiac and respiratory arrest and died on the morning of 07/05/92. Starting on 07/02/92 this animal was started on Rocephin given subcutaneously.

Clinical diagnosis in this case is ascending gangrene of the tail or septicemia.

ABNORMALITIES:

The liver is tan. The tail is diffusely edematous and discolored externally. On cut surface, the distal 2 cm is hemorrhagic and edematous. The left lung is uniformly purple with four white to yellow masses 2 to 4 mm in diameter in the caudal and middle lobes. The masses exude thick fluid when excised. One 4 cm mass is observed in the cranial lobe of the right lung. The remainder of the right lung appears to be normal.

NOTE

There was no growth from cultures of the lung and blood.

GROSS DIAGNOSIS:

Multifocal pneumonia appears to be the cause of death in this case. The lesions appear to be of long standing and may predate the lesions of the tail. The possibility that lesions of the tail and lungs are related, with injuries of the tail acting as route of entry for an invading organism, cannot be ruled out.

Necropsy Screen

[763]

ID : < 92036 > Death Date: 07/07/92
 Necropsy Date: < 07/07/92 > Sex: M

BAH Destination: NECROPSIED
 Age Class: INFANT

Necropsy#: < 136PL92 >

Time: 1600 Prosector: SVG

Weights:	
Body:	102
Liver:	4.46
Spleen:	0.1670
Lung:	1.8060
Brain:	16.2020
Heart:	0.7680
Left Kidney:	0.3960
Right Kidney:	0.3990
Left Adrenal:	0.1090
Right Adrenal:	0.0860
Thymus:	0.1120

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	30.22
Arm:	0.00
Femur:	34.54
Tail:	0.00

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

Cause of Death Code: { 3 }

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	A
Orifices:	A
Skin:	A
Ab. Viscera:	A
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:	A
Tongue:	A
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:	A

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

Respiration:	
Larynx:	A
Trachea:	A
Thyroids:	A
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:	A
Bones:	A
Joints:	A

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

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CLINICAL ABSTRACT:

This infant was born to squirrel monkey #90732 on the morning of 07/07/92. The infant was found dead and cannibalized

ABNORMALITIES:

An infant male Bolivian squirrel monkey is presented for necropsy. The face is cannibalized, including the mouth, upper and lower jaws, left eye, and the scalp and ear of the right lateral face and the left lateral face. There is bruising around the umbilicus and the tip of the tail. There is also bruising and cannibalization of the external genitalia, and bruising of the small and large intestine. There is no milk in the stomach. There is hemorrhage into the stomach. The heart is large and pale.

GROSS DIAGNOSIS:

Trauma (probably by the dam), cannibalized.

Necropsy Screen

[799]

ID : < 92037 > Death Date: 07/08/92
 Necropsy Date: < 07/08/92 > Sex: U

BAH Destination: NECROPSIED
 Age Class: FETUS

Necropsy#: < 137PL92 >

Time: 240 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:
Outgoing Samples:
Photos:
Other:

Cause of Death Code: ()

[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:
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:

The limbs and vertebral column of a cannibalized squirrel monkey fetus are presented for necropsy. Only small portions of haired skin exist. No tissues were collected.

GROSS DIAGNOSIS:

Abortion, stage 3.

Necropsy Screen

[800]

ID : < 92038> Death Date: 07/09/92
 Necropsy Date: <07/09/92 > Sex: F

BAH Destination: NECROPSIED
 Age Class: INFANT

Necropsy#: <138PL92 >

Time: 930 Prosector: SVG

Weights:	
Body:	72
Liver:	3.26
Spleen:	0.0900
Lung:	1.3760
Brain:	0.0000
Heart:	0.5620
Left Kidney:	0.3340
Right Kidney:	0.3080
Left Adrenal:	0.0800
Right Adrenal:	0.1020
Thymus:	0.0840

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	26.88
Arm:	0.00
Femur:	29.56
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:	A
Orifices:	A
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:	A
Tongue:	A
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:	
Vulva:	

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

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

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

Muscle:	
Muscles:	A
Bones:	A
Joints:	N

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

CLINICAL ABSTRACT:

ABNORMALITIES:

A small female infant Bolivian squirrel monkey is presented for necropsy. The biparietal diameter is indicative of a term infant. The body is fully haired. The entire face, including the mouth, jaws, nose, tongue, eyes and frontal lobes of the brain have been cannibalized. The trachea and larynx have also been cannibalized.

GROSS DIAGNOSIS:

Low birth weight infant, cannibalized.

Necropsy Screen

[773]

ID : < 90224 > Death Date: 07/10/92 BAH Destination: NECROPSIED
 Necropsy Date: < 07/10/92 > Sex: F Age Class: ADULT

Necropsy#: < 139PL92 > Time: 1330 Prosector: S.G

Weights:	
Body:	720
Liver:	26.35
Spleen:	0.0000
Lung:	8.5920
Brain:	24.9700
Heart:	5.7680
Left Kidney:	3.8210
Right Kidney:	3.6860
Left Adrenal:	0.2050
Right Adrenal:	0.1570
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:	A
Orifices:	A
Skin:	A
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	N

Abdomen:	
Spleen:	O
Liver:	A
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.:	A
Colon:	N
Cecum:	N
Anus:	N

Gross Pathology Screen 2:

Male:	
Testes:	
Epididymis:	
Prostrate:	
Penis:	

Female:	
Ovaries:	A
Oviducts:	A
Uterus:	A
Cervix:	A
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:	
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:

This adult female Bolivian squirrel monkey arrived at PRL in September of 1991. On the morning of 07/10/92 she was found dead with newborn infant #92039 clinging to her back. The uterus was prolapsed.

ABNORMALITIES:

An adult female Bolivian squirrel monkey is presented for necropsy. Her hair coat is blood stained. There are ants in all orifices. The body of the uterus has prolapsed. There is abundant subcutaneous and body adipose tissue. There is slight postmortem degeneration of all viscera. The viscera are pale. There is postmortem lividity of the ventral margins of all lung lobes. The heart is pale.

GROSS DIAGNOSIS:

Uterine prolapse, blood loss.

Necropsy Screen

[764]

ID : < 92041> Death Date: 07/13/92
Necropsy Date: <07/13/92 > Sex: F

BAH Destination: NECROPSIED
Age Class: INFANT

Necropsy#: <146PL92 >

Time: 1354 Prosector: SVG

Weights:	
Body:	82
Liver:	2.40
Spleen:	0.1640
Lung:	1.5600
Brain:	14.8160
Heart:	0.4860
Left Kidney:	0.2960
Right Kidney:	0.2460
Left Adrenal:	0.1040
Right Adrenal:	0.0970
Thymus:	0.1060

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	29.97
Arm:	0.00
Femur:	32.09
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:	A
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:	
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:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	N
Bones:	N
Joints:	N

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

CLINICAL ABSTRACT:

This infant squirrel monkey was born on 07/11/92. It was a small infant, but very strong and active. It had trouble clinging to its mother and eventually was rejected by its mother and placed in the nursery. At the time it was placed in the nursery it weighed 84 grams. On the morning of 07/13/92 it was observed that this infant had developed diarrhea. Shortly thereafter, at approximately 1:25 p.m., this infant was found dead in the nursery.

ABNORMALITIES:

A small, low birth weight infant female squirrel monkey is presented for necropsy. There is marked hyperemia of the peritoneal surface of the muscle wall of the abdomen. There is hemorrhage along the greater curvature of the serosa of the stomach. The small intestine is dilated with gas and ingesta and is bright yellow in color. The lungs have prominent intralobular septae and are dark pink. The brain has a wet surface with prominent, injected cerebral vasculature.

NOTE

The brain and peritoneal surface of the abdomen were cultured for microbiology. E. coli was recovered from the brain. There was no growth from the peritoneal culture.

GROSS DIAGNOSIS:

Peritonitis, meningitis, low birth weight infant.

Necropsy Screen

[765]

ID : < 92044 > Death Date: 07/12/92
Necropsy Date: < 07/13/92 > Sex: F

BAH Destination: STILLBIRTH
Age Class: INFANT

Necropsy#: < 144PL92 >

Time: 1515 Prosector: SVG

Weights:	
Body:	110
Liver:	5.00
Spleen:	0.2210
Lung:	2.4300
Brain:	15.8530
Heart:	0.0000
Left Kidney:	0.4530
Right Kidney:	0.3740
Left Adrenal:	0.2370
Right Adrenal:	0.1880
Thymus:	0.2400

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	30.73
Arm:	0.00
Femur:	34.02
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:	N
Orifices:	N
Skin:	N
Ab. Viscera:	A
Th. Viscera:	A
Subq Fat:	N

Abdomen:	
Spleen:	N
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.:	N
Colon:	N
Cecum:	N
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:	A
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:	A

CLINICAL ABSTRACT:

This infant was delivered by cesarean section on the late afternoon of 07/12/92. The infant was breech and the mother was undergoing non-productive labor. The infant was stillborn, probably due to the fact that the umbilical cord was wrapped several times around its neck. The mother of this infant is 90094.

ABNORMALITIES:

A placenta and a full term female infant Bolivian squirrel monkey are presented for necropsy. The placenta weighs 17.122 grams. The placenta is bidiscoid. The discs are very irregular in shape, and multilobulated. There is marginal insertion of the umbilical cord into both discs. There is a scant amount of blood in the abdomen of the infant. The liver is large and congested with blood. The adrenals are hemorrhagic. The kidneys are congested with blood. The lungs are dark red and congested with blood. The brain is soft with prominent cerebral vessels.

GROSS DIAGNOSIS:

Stillbirth, c-section, stage 4.

Necropsy Screen

[779]

ID : < 81620> Death Date: 07/13/92
 Necropsy Date: <07/13/92 > Sex: M

BAH Destination: NECROPSIED
 Age Class: YEARLING

Necropsy#: <145PL92 >

Time: 1545 Prosector: SVG

Weights:
 Body: 180
 Liver: 6.43
 Spleen: 0.2400
 Lung: 4.6300
 Brain: 13.2540
 Heart: 1.0140
 Left Kidney: 0.9800
 Right Kidney: 0.9400
 Left Adrenal: 0.0700
 Right Adrenal: 0.0450
 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: { 2 }

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

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

Abdomen:
 Spleen: N
 Liver: A
 Pancreas:

Urinary:
 Adrenal: A
 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: A
 Epididymis:
 Prostrate:
 Penis: A

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

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

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

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

Muscle:
 Muscles: A
 Bones: A
 Joints: A

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

CLINICAL ABSTRACT:

This animal arrived at the Medical Center Research building on September 30, 1991. The animal arrived as an infant along with its parents. The status of the parents was not available at the time of this report, however it is believed that they either died during a period of illness in the colony in the winter of 1991, or they rejected the infant. Subsequently the infant became quite ill, had a period of weight loss, and became increasingly listless. The animal was finally paired with another animal, a juvenile, and began to improve, however, over the past few weeks his condition began to deteriorate once more. In March of 1992 his body weight was 295 grams. On 07/13/92 his body weight was approximately 180 grams. He had become increasingly lethargic and unable to eat. The animal was provided with hand feedings and a variety of items in the cage in an attempt to improve his appetite. His temperature was also subnormal and supplemental heat was provided by a warm water pad. None of these palliative treatments seem to help this animal and on 07/13/92 the decision was made to euthanize him. He was given 6/10 cc of Sodium Pentobarbital intracardially after anesthetizing him with Ketamine and Rompun.

Clinical Diagnosis

Not established, however, the loss of the animal's parents set off a syndrom which we have seen in a number of other infants of gradual wasting, lethargy, and eventually either death or requiring euthanasia.

ABNORMALITIES:

A markedly cachectic male Aotus yearling is presented for necropsy. There is a pronounced decrease in muscle mass and the existing muscles are very pale. The testes are small and pale. The long bones are thin and brittle and were easily cut with scissors. The cecum and colon were dilated and tubular, containing scant ingesta. There are scant gastrointestinal contents. The upper intestinal tract is flaccid. There are prominent mesenteric lymph nodes. The adrenal glands and the liver are both small. There is a small clot in the pericardial sac, probably secondary to euthanasia. There are multiple petechia along the surface of the lungs.

GROSS DIAGNOSIS:

Euthanasia. The disease seen in this infant is consistant with a malabsorbtion syndrome.

5

Necropsy Screen

[780]

ID : < 82034 > Death Date: 07/13/92
Necropsy Date: < 07/13/92 > Sex: U

BAH Destination: NECROPSIED
Age Class: FETUS

Necropsy#: < 147PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	17
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: { 5 }
[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	A
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 aborted fetus was found on the morning of 07/13/92 with a weight of 17.7 grams. The infant is a Karyotype II Aotus lemurinus grisiemembra.

ABNORMALITIES:

An early stage 2 fetus is presented for necropsy. The fetus was preserved in total in formalin.

GROSS DIAGNOSIS:

Abortion, stage 2.

Necropsy Screen

[781]

ID : < 82422> Death Date: 07/14/92
Necropsy Date: <07/14/92 > Sex: M

BAH Destination: NECROPSIED
Age Class: ADULT

Necropsy#: <148PL92 >

Time: 1445 Prosector: SVG

Weights:	
Body:	782
Liver:	34.75
Spleen:	2.2470
Lung:	8.5270
Brain:	15.0510
Heart:	6.8130
Left Kidney:	3.7060
Right Kidney:	3.8860
Left Adrenal:	0.2040
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:	
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:	A
Th. Viscera:	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.:	A
Colon:	A
Cecum:	A
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:	A
Bronchi:	N
Pleura:	N
Lungs:	A

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	
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

SB

CLINICAL ABSTRACT:

This Karyotype V male Aotus arrived at USA in late March of 1992. He was housed in room 150. His arrival weight was 877 grams. On 06/30/92 he was treated for tail trauma. The distal part of the tail was amputated. The animal appeared to be healing normally, however, on 07/13/92 the animal was ataxic when checked on morning observations. BUN was elevated as was creatinine. Other clinical chemistry indices also pointed to renal failure. The animal was treated with fluids, steroids, and diuretics along with vitamins and special diet, however, his condition did not improve and on 07/14/92 the decision was made to euthanize this animal.

Clinical Diagnosis
Renal failure.

ABNORMALITIES:

An older adult male Karyotype V owl monkey is presented for necropsy. This animal is in adequate flesh. There is some adipose tissue in the subcutaneous areas and in the body cavities. This animal has markedly worn dentition with the lower canines missing. There is subcutaneous fluid over the ventral surface of the abdomen, probably due to parenteral fluid administration. The testes are pale. The cecum is small and contracted. The liver is enlarged with rounded margins. The spleen is enlarged. The kidneys are small and pale tan. They are soft. The cortex is tan and the medulla is red/brown in color. There are multifocal areas of consolidation in the lungs. This may be secondary to euthanasia technique. The thyroid glands are pale.

Note

The following tissues were frozen: liver, kidney, and eye.

GROSS DIAGNOSIS:

Euthanasia, renal failure.

Necropsy Screen

[783]

ID : < 82035> Death Date: 07/16/92
 Necropsy Date: <07/17/92 > Sex: M

BAH Destination: STILLBIRTH
 Age Class: INFANT

Necropsy#: <152PL92 >

Time: 1100 Prosector: SVG

Weights:	
Body:	112
Liver:	6.52
Spleen:	0.1000
Lung:	1.5100
Brain:	10.0620
Heart:	0.7930
Left Kidney:	0.3460
Right Kidney:	0.3560
Left Adrenal:	0.2670
Right Adrenal:	0.2640
Thymus:	0.2900

Measurements:	
Crown-Rump:	11.80
Crown-Heel:	17.40
Head Circ:	12.40
Bipar. Diam.:	29.28
Arm:	5.90
Femur:	30.26
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:	N
Orifices:	N
Skin:	A
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:	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:	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:

ABNORMALITIES:

A term male infant Karyotype I owl monkey and a partial placenta are presented for necropsy. The male infant is fully haired, the tail has been partially cannibalized. The lungs are dark red and collapsed. The lungs sank when placed in formalin. No other reportable lesions were observed.

GROSS DIAGNOSIS:

Stillbirth, stage 4.

Necropsy Screen

[784]

ID : < 80462> Death Date: 07/18/92
Necropsy Date: <07/18/92 > Sex: F

BAH Destination: NECROPSIED
Age Class:

Necropsy#: <157PL92 >

Time: 1640 Prosector: AGB

Weights:	
Body:	944
Liver:	37.90
Spleen:	2.0400
Lung:	10.0900
Brain:	13.9000
Heart:	8.8000
Left Kidney:	4.3000
Right Kidney:	4.2700
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: { }

[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:	

62

CLINICAL ABSTRACT:

This Karyotype I Aotus was believed to have heart problems that were discovered during a study performed by Battelle. Because of this the animal had an electrocardiogram during the week of the 16th of July and a CBC and chemistry were also performed. The CBC revealed anemia and the animal was started on an anemia protocol on 07/18/92 after the animal began to look weak. During that day the animal's condition rapidly deteriorated and the animal died at noon on 07/18/92.

Clinical Diagnosis

Heart failure is strongly suspected due to the previous diagnostic findings, the Karyotype, and the acute nature of the animal's death along with its clinical signs.

ABNORMALITIES:

This animal is in good flesh. There is massive subcapsular hemorrhage surrounding the left kidney, extending from the cranial pole of the kidney down to the pelvic region. The thrombus (excluding kidney) is 4 x 10 cm and extends into the subaxial region on the other side of the abdomen (on the right of the aorta). Both kidneys are diffusely pale with granular surface. The liver is tan.

GROSS DIAGNOSIS:

The aorta was traced through its full length through the abdominal cavity on the suspicion that an aneurysm resulted in the large amount of hemorrhage into the subcapsular region of the kidney. No such aneurysms were found in the aorta, however, it was impossible to fully trace the renal artery where such an aneurysm may have been located. Although this animal had a blood sample taken on 07/17/92 it would seem unlikely that hemorrhage might occur by extension into the capsule from this blood sampling and cause such a rapid death after 24 hours. This possibility however, can not be ruled out.

W

Necropsy Screen

ID : < 92052> Death Date: 07/18/92
 Necropsy Date: <07/18/92 > Sex: F

BAH Destination: NECROPSIED
 Age Class: INFANT

[777]

Necropsy#: <156PL92 >

Time: 1440 Prosector: AGB

Weights:	
Body:	110
Liver:	3.97
Spleen:	0.2300
Lung:	2.4400
Brain:	18.3400
Heart:	0.9900
Left Kidney:	0.4400
Right Kidney:	0.4300
Left Adrenal:	0.1600
Right Adrenal:	0.0700
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:	
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:	A

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:	A
Joints:	

Brain:	
Meninges:	A
Greymatter:	
Pituitary:	
Brain:	

60

CLINICAL ABSTRACT:

The mother of this infant is animal #90131. The father is unknown. The mother arrived at the Primate Research Laboratory in the fall of 1991. The infant has had no clinical incidents since its birth on May 31, 1992. Birth weight was 102 grams. On the morning of 07/18/92 the infant was found on the floor of run 16 at 9:30 a.m. The infant was hypothermic and extremely weak at that time. Technicians also reported that there was trauma to the vaginal area. The infant's condition continued to deteriorate and it died at approximately 12:00 noon.

Note

No clinical diagnosis was established in this case.

ABNORMALITIES:

There is trauma to the vulva with dry gangrene. The vulva is almost completely shriveled and obscured. Integument, there are small abrasions to the upper abdominal region. There is a small amount of milk in the intestine with normal stools in the terminal colon. There is a massive skull fracture that extends perpendicular to both sides of the longitudinal fissure, down to the ear canal on each side, with accompanying subperiosteal hemorrhage. There is severe subarachnoid hemorrhage overlying both of the lobes of the cerebral cortex.

GROSS DIAGNOSIS:

Massive skull fracture with accompanying meningeal hemorrhage resulted in the death of this animal.

bs

Necropsy Screen

[785]

ID : < 80403 > Death Date: 07/19/92
Necropsy Date: < 07/19/92 > Sex: M

BAH Destination: NECROPSIED
Age Class:

Necropsy#: < 159PL92 >

Time: 1525 Prosector: AGB

Weights:
Body: 788
Liver: 28.38
Spleen: 0.5800
Lung: 10.7900
Brain: 18.4000
Heart: 6.8300
Left Kidney: 3.9300
Right Kidney: 4.0600
Left Adrenal: 0.2300
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:
Outgoing Samples:
Photos:
Other:

Cause of Death Code: ()
[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:
Grey matter:
Pituitary:
Brain:

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CLINICAL ABSTRACT:

The cage mate of this male is a female who recently aborted her pregnancy. Shortly after this abortion the female began to show evidence of lethargy and other signs of illness. Subsequently this male became ill on 07/18/92. Because the female seemed to respond well to Cephlosporin antibiotics and fluid therapy, this male was also started on the same regimen, however his condition did not improve. On 07/19/92 he was unable to rise and died at approximately 9:30 a.m. on 07/19/92.

No causative clinical diagnosis could be established in this case. Watering valves were found to be working in the cage, and the feeding regimen appeared to be normal for these animals.

ABNORMALITIES:

There is mild subcutaneous edema. This animal had received subcutaneous fluids earlier on the date of death. No other gross lesions were found.

GROSS DIAGNOSIS:

No gross diagnosis was established.

Necropsy Screen

[778]

ID : < 92049 > Death Date: 07/22/92
 Necropsy Date: < 07/22/92 > Sex: F

BAH Destination: NECROPSIED
 Age Class: INFANT

Necropsy#: < 161PL92 >

Time: 1745 Prosector: SVG

Weights:	
Body:	104
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:	14.50
Crown-Heel:	21.00
Head Circ:	13.20
Bipar. Diam.:	32.02
Arm:	6.50
Femor:	34.46
Tail	15.00

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:	A
Orifices:	N
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:	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
Greymatter:	N
Pituitary:	N
Brain:	N

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CLINICAL ABSTRACT:

This squirrel monkey infant was born eight days ago and had apparently been doing well in the run. It was found dead on the morning of 07/22/92. Its mother is animal #90042.

ABNORMALITIES:

A female infant Bolivian squirrel monkey is presented for necropsy. This infant appears gaunt. The monkey has a wet, matted, dirty hair coat. The tip of the tail has been chewed and is raw. The color of the infant's face and hands is pale tan. There are scant gastrointestinal contents, primarily composed of yellow mucus and gas. This animal had apparently not nursed recently. The lungs are bright pink and inflated. There are no other reportable lesions.

GROSS DIAGNOSIS:

Open. Death may be due to a hypoglycemic episode and/or secondary to tail trauma.

Necropsy Screen

[786]

ID : < 82033 > Death Date: 07/23/92 BAH Destination: NECROPSIED
 Necropsy Date: < 07/23/92 > Sex: F Age Class: INFANT

Necropsy#: < 163PL92 > Time: 0 Prosector: SVG

Weights:	
Body:	95
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.:	31.31
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:	N
Orifices:	A
Skin:	A
Ab. Viscera:	N
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:	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:	
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:	N
Thoracic:	N

Muscle:	
Muscles:	N
Bones:	A
Joints:	

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

CLINICAL ABSTRACT:

This infant Karyotype II (presumed) owl monkey was born on 07/08/92. On the morning of 07/23/92 this infant was rejected by both parents. It suffered multiple lacerations and bite wounds on its extremities. Body temperature was 87.4 degrees Farenheit and its blood glucose was 40. The animal was treated with Dextrose and fed formula. Both of the parents were anesthetized and it was attempted to put the infant back with the mother. Neither the mother nor the father would care for the infant. The infant became progressively weak and the decision was made to euthanatize this animal.

ABNORMALITIES:

A two week old owl monkey infant of good weight and a thick hair coat is presented for necropsy. There are multiple contusions and abrasions of the wrist and ankles. There is a fracture to the front lower incisors and trauma to the associated periodontal tissue.

GROSS DIAGNOSIS:

Euthanasia, trauma, parental rejection.

Necropsy Screen

[787]

ID : < 80815> Death Date: 07/28/92
 Necropsy Date: <07/28/92 > Sex: F

BAH Destination: NECROPSIED
 Age Class: ADULT

Necropsy#: <165PL92 >

Time: 0 Prosector: SVG

Weights:	
Body:	905
Liver:	42.68
Spleen:	1.9880
Lung:	21.2470
Brain:	19.0310
Heart:	9.1860
Left Kidney:	4.1280
Right Kidney:	4.1640
Left Adrenal:	0.9800
Right Adrenal:	0.7000
Thymus:	0.9270

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:	Y
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. Viscera:	A
Subq Fat:	N

Abdomen:	
Spleen:	A
Liver:	A
Pancreas:	N

Urinary:	
Adrenal:	A
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:	A
Cervix:	N
Vagina:	N
Vulva:	N

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

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	N
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

CLINICAL ABSTRACT:

Monkey #80815 was received from Battelle Northwest Laboratories. This animal had been diagnosed as having dilative cardiomyopathy based on echocardiology. Earlier in the month of July this animal had had an ECG and had a bradycardia with a sinus rhythm ranging from 119 to 143 beats per minute. This is a relative bradycardia compared to a more common heart rate of 180 to 300 beats per minute. CBC and serum chemistry results revealed a marked persistent lymphocytosis that did not respond to antibiotic therapy. On the morning of 07/28/92 this animal was anesthetized with Ketamine for radiology. An anterior-posterior, and right lateral thoracic view were performed. Radiographs indicated a markedly enlarged cardiac silhouette. This monkey was moving around in her cage and appeared to be coming out of anesthesia successfully, however, she was found dead on the afternoon observations.

ABNORMALITIES:

An adult female Karyotype I owl monkey is presented for necropsy. This animal is well fleshed with a thick luxurious hair coat. The right eye has been enucleated. There is adequate adipose tissue in the body cavities and in the subcutaneous areas. The liver and spleen are moderately enlarged. The mesenteric lymph nodes are prominent. The adrenal glands are small. There is a prominent thymic remnant overlying the heart. The heart is enlarged, weighing approximately 1 % body weight. The lungs are mottled pink to red, and they are wet and heavy with froth in the trachea and the bronchi. The thyroid glands and the parathyroids were prominent.

NOTE

A cut surface of the lung was cultured for microbiology. Staphylococcus aureus and alpha hemolytic streptococci (not S. pneumoniae) were recovered.

GROSS DIAGNOSIS:

Acute pulmonary edema, cardiomegaly.

Necropsy Screen

[775]

ID : < 92054> Death Date: 08/02/92
 Necropsy Date: <08/02/92 > Sex: U

BAH Destination: ABORTION
 Age Class: FETUS

Necropsy#: <169PL92 >

Time: 1330 Prosector: SVG

Weights:	
Body:	15
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.:	17.90
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: { 5 }
 -[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	A
Orifices:	A
Skin:	A
Ab. Viscera:	A
Th. Viscera:	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:	

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CLINICAL ABSTRACT:

A partial fetus, including the head and part of the placenta, was found on the floor of run 20 on the morning of 08/02/92. The mother was determined to be animal #90619.

ABNORMALITIES:

The head of a fetal squirrel monkey and part of the placenta are presented for necropsy. There is no hair on the head. The biparietal diameter is 17.9 mm. No tissues were saved.

GROSS DIAGNOSIS:

Abortion, stage 2.

15

Necropsy Screen

ID : < 92056> Death Date: 08/05/92
 Necropsy Date: <08/06/92 > Sex: M

BAH Destination: ABORTION
 Age Class: FETUS

[789]

Necropsy#: <171PL92 >

Time: 1630 Prosector: SVG

Weights:

Body:	66
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:	A
Skin:	A
Ab. Viscera:	A
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:	

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CLINICAL ABSTRACT:

This fetus and placenta were found on the floor of room 45 on the morning of 08/05/92. The dam is animal #90175.

ABNORMALITIES:

A male fetal Bolivian squirrel monkey is presented for necropsy. There is sparse hair beginning over the head. The skin is markedly hyperemic. There is frank blood in the abdomen. The lungs are dark pink and collapsed. There is mild hemorrhage subcutaneously over the back of the skull. The placenta is bidiscoid and weighs 19 grams. One disc is approximately 3 times the size of the other.

GROSS DIAGNOSIS:

Abortion, stage 3.

Necropsy Screen

[788]

ID : < 90153 > Death Date: 08/09/92 BAH Destination: NECROPSIED
 Necropsy Date: < 08/09/92 > Sex: F Age Class: ADULT

Necropsy#: < 172PL92 > Time: 1130 Prosector: AGB

Weights:	
Body:	664
Liver:	22.99
Spleen:	0.0000
Lung:	11.8700
Brain:	22.2300
Heart:	3.7600
Left Kidney:	2.4000
Right Kidney:	2.4000
Left Adrenal:	0.1500
Right Adrenal:	0.1900
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:	
Orifices:	
Skin:	
Ab. Viscera:	
Th. Viserca:	
Subq Fat:	A

Abdomen:	
Spleen:	
Liver:	
Pancreas:	

Urinary:	
Adrenal:	
Kidney:	
Ureters:	
Bladder:	

Gasto-Int.:	
Mouth:	
Tongue:	
Rectum:	
Stomach:	A
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:	A

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:

No records were sent from Battelle with this female Bolivian squirrel monkey when it arrived at the PRL in the fall of 1991. The animal had had no clinical incidents at the PRL until 08/07/92 when the animal was lethargic after being placed in a newly formed pen. Lab work is still pending from when the animal was first presented. However, after being given fluids and placed in a separate cage the animal appeared to be doing better. On 08/08/92 her condition also appeared to be improved. On the morning of 08/09/92 this animal was found dead in her cage.

Clinical Diagnosis

No clinical diagnosis was established in this case. It was assumed that this was an older animal and simply having problems adjusting to a new cage. The animal's apparent improvement following removal from the pen situation seemed to reinforce this impression, however it is possible that there was more to this animal's problem than was originally diagnosed. Results of CBC and chemistry will be of great interest in forming conclusions regarding this animal's condition.

ABNORMALITIES:

There are superficial ulcers of the hands and feet. There is blood tinged fluid coming from one of the nares. There is a marked lobar pattern to all areas of the lung. The cranial lobes of the lung are dark. The stomach is moderately distended with gas. The diaphragm is compressed to the seventh intercostal space. This animal was apparently splenectomized and the spleen is absent. The subcutaneous tissues are dry.

GROSS DIAGNOSIS:

Gastric distension, diaphragmatic compression, and lung lesions indicate that bloat was the cause of death in this case. The gastric distention is less than in previously observed cases, but it is judged to be sufficient to have compromised respiration especially in an animal that was already sick.

Necropsy Screen

ID : < 80317> Death Date: 08/10/92 BAH Destination: NECROPSIED [790]
 Necropsy Date: <08/10/92 > Sex: M Age Class: ADULT

Necropsy#: <173PL92 > Time: 1100 Prosector: SVG

Weights:	
Body:	902
Liver:	28.44
Spleen:	0.0000
Lung:	11.4530
Brain:	16.9140
Heart:	8.8260
Left Kidney:	3.7750
Right Kidney:	3.4520
Left Adrenal:	0.1660
Right Adrenal:	0.1400
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:	A
Orifices:	A
Skin:	A
Ab. Viscera:	A
Th. Viserca:	N
Subq Fat:	A

Abdomen:	
Spleen:	
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:	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:	N

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:

This Karyotype II male owl monkey was born on 01/04/79 and arrived from Battelle on 09/30/91. The body weight in March of 1992 was 976 grams. This animal had an episode of diarrhea in December of 1991 at a time when a great many animals in the colony had a similar problem. There have been no recent clinical incidents. The animal was found dead on morning observations on 08/10/92.

CLINICAL DIAGNOSIS

None established in this case.

ABNORMALITIES:

An adult male Karyotype II owl monkey is presented for necropsy. The animal is well fleshed and has a healthy hair coat. The subcutaneous tissues are slightly tacky to the touch, suggestive of dehydration. There is a foul odor associated with the animal. There is blue/green/black discoloration to the abdominal wall. There is advanced postmortem degeneration of all abdominal viscera with imbibition of bile along the surfaces of the liver, kidneys, and the anterior duodenum. Very fluid ingesta is found throughout the gastrointestinal tract. The small intestine is hyperemic from the mid jejunum to the cecum. The vessels of the cecal serosa are injected and prominent.

NOTE

The contents of the small intestine and the cecum were cultured for microbiology. Actinomyces spp., E. coli and Proteus mirabilis were recovered.

GROSS DIAGNOSIS:

Acute enterocolitis.

Necropsy Screen

[791]

ID : < 82026 > Death Date: 08/11/92
 Necropsy Date: < 08/11/92 > Sex: F

BAH Destination: NECROPSIED
 Age Class: INFANT

Necropsy#: < 174PL92 >

Time: 1500 Prosector: SVG

Weights:	
Body:	162
Liver:	10.23
Spleen:	0.9980
Lung:	2.1000
Brain:	14.7010
Heart:	1.0500
Left Kidney:	1.2940
Right Kidney:	1.2670
Left Adrenal:	0.0820
Right Adrenal:	0.0700
Thymus:	0.3420

Measurements:	
Crown-Rump:	15.80
Crown-Heel:	25.00
Head Circ:	13.50
Bipar. Diam.:	33.36
Arm:	8.40
Femur:	49.53
Tail:	21.50

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:	A
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:	N
Tongue:	N
Rectum:	A
Stomach:	A
Esophagus:	A
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:	
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:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	A
Bones:	A
Joints:	N

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

CLINICAL ABSTRACT:

This Karyotype I Aotus infant was born on 05/15/92 at the Medical Center Research Building. The mother is 80734 and the father is 80735. Neither the parents, nor this infant have had any clinical incidents in the last two months to our knowledge. This infant appeared to be doing well, but was found dead on the morning of 08/11/92. No clinical diagnosis has been established in this case.

ABNORMALITIES:

A 2 1/2 month old female infant, Karyotype I owl monkey is presented for necropsy. This animal is thin and has matted hair along the length of its tail. There is a slight fluid fecal discharge from the anus. The corneas of the eyes are dry and filmed. The subcutaneous tissues are dry and tacky. There is scant adipose tissue. The abdominal musculature is discolored blue/green. There is moderate postmortem degeneration of all abdominal viscera. All of the viscera are very pale. There is imbibition of bile along the dorsal surfaces of the liver and the cranial poles of the kidneys. Feces in the rectum are semi-formed and appear to have the consistancy of curdled milk, suggesting that this infant's diet still primarily consisted of milk. There are multifocal areas of consolidation in the diaphragmatic lobes of the lung. The skeletal musculature is very pale, and the long bones and the bones of the skull are easily cut with scissors. There is pronounced icterus of both the connective and muscular tissue. The spleen is enlarged approximately three times normal size.

NOTE

The lungs were cultured for microbiology. Proteus spp. and E. coli were recovered.

GROSS DIAGNOSIS:

Lesions are consistent with anemia; cachexia.

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Necropsy Screen

[792]

ID : < 90078 > Death Date: 08/15/92 BAH Destination: NECROPSIED
 Necropsy Date: <08/15/92 > Sex: M Age Class: ADULT

Necropsy#: <176PL92 > Time: 1100 Prosector: SVG

Weights:	
Body:	852
Liver:	30.77
Spleen:	0.0000
Lung:	10.4670
Brain:	24.1410
Heart:	5.1780
Left Kidney:	3.1400
Right Kidney:	2.8800
Left Adrenal:	0.2800
Right Adrenal:	0.1000
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:	A
Orifices:	N
Skin:	A
Ab. Viscera:	A
Th. Viserca:	N
Subq Fat:	A

Abdomen:	
Spleen:	
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:	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:	
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

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CLINICAL ABSTRACT:

No historical information was received with this animal when it arrived at the Primate Research Laboratory. Recently it was part of a group of males that was combined during a new run formation. Several days ago it received multiple bite wounds due to fighting and was removed from the new run. Several areas had to be debrided and the animal was treated symptomatically. This morning the animal was prone in its cage, it was removed for treatment, and during the treatment period it died.

ABNORMALITIES:

An adult male Bolivian squirrel monkey is presented for necropsy. The dorsal apical margins of the pinnae are necrotic for approximately 1 cm. A portion of the left scalp, rostral to the left pinna and extending to the area behind the pinna is dry and necrotic. The skin was not adhered to the underlying musculature. There are two large areas of debridement along the back. One is approximately 2 cm x 3 cm. It is located over the vertebral column at the thoracic lumbar junction. The other area of skin debridement is 4.5 x 1.5 cm. It is located over the left lateral spine extending to the lateral abdominal wall. There is a prominent blue/green to black discoloration of the skin distal to this area and ventral to this area. Discoloration extends from the area of debridement over the left ilium and to the point of the left hip. The underlying tissue beneath this area of discoloration is green/brown with excessive fluid associated with this tissue. The tissue is dead. Over the left lateral aspect of the rib cage there is a soft fluctuant mass approximately 2 cm in diameter. The skin is purple/brown in color. Within this mass is red/tan exudate and the mass is consistent with an abscess. There are multiple bite wounds and associated crushing muscle trauma at the base of the tail. There are bite wounds along the right lateral aspect of the right foot and the back of the left ankle. This monkey had apparently been splenectomized sometime in the past. No spleen is present in the abdomen. There are two dark black sutures in the fascia associated with the pancreas. The stomach is distended with yellow/green liquid and mucus. There are formed feces in the distal colon and rectum. There are multifocal petechial hemorrhages of the cecal serosa.

Note

The abscess, the area of cellulitis, and heart blood were cultured for microbiology. *Pseudomonas aeruginosa* was isolated from all three sites.

GROSS DIAGNOSIS:

Cellulitis, muscle necrosis, trauma due to bite wounds with possible septicemia. As this animal had been splenectomized it was much more susceptible to post traumatic bacterial infection.

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Necropsy Screen

ID : < 90151> Death Date: 08/18/92
 Necropsy Date: <08/18/92 > Sex: M

BAH Destination: NECROPSIED
 Age Class: ADULT

[795]

Necropsy#: <177PL92 >

Time: 1455 Prosector: SVG

Weights:	
Body:	858
Liver:	31.23
Spleen:	0.0000
Lung:	7.7400
Brain:	24.7890
Heart:	4.4940
Left Kidney:	2.9880
Right Kidney:	3.0910
Left Adrenal:	0.1300
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:	Y
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:	A
Orifices:	A
Skin:	A
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	A

Abdomen:	
Spleen:	O
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:	N

Gross Pathology Screen 2:

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

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

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

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

Lymph Node:	
Peripneral:	A
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	A
Bones:	A
Joints:	

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

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CLINICAL ABSTRACT:

This adult male squirrel monkey was received from CDC in March 1992. No history was available for this monkey. Recently, 90151 and other monkeys were introduced to an outside run. 90151 sustained multiple bite wounds and was removed for treatment. This monkey failed to respond to treatment and became moribund and was euthanatized.

ABNORMALITIES:

An adult male Bolivian squirrel monkey is presented for necropsy. This animal has multiple traumatic wounds from bite wounds including the dorsum of the left pinna extending to the base of the ear and the associated scalp. There are multiple bite wounds and erosions to the right half of the scalp from behind the zygomatic arch up over the dorsum of the head to behind the right ear. A penrose drain has been sutured beneath the scalp in this area. The affected area is approximately 6 x 2 cm. There is a focal, oval area of debridement over the spinal column at the TL junction, approximately 3 cm in diameter. This appears to be a healthy bed of granulation tissue. There are multiple bites and erosions at the right lateral and dorsal flanks over an area of approximately 4 x 3 cm. There are two erosions at the base of the tail on the dorsum extending over to the ventrum. Both are 1.5 x 2 cm in area. There is an open wound on the right foot in which the metatarsal bone is exposed. The second digit has been amputated from the foot. The exposed area is approximately 1 x 2.5 cm. There are multiple bite wounds and erosions on both feet. There is a fluctuant mass over the point of the left hip. The skin is eroded over the surface. The mass occupies an area of approximately 1.1 x 2.5 cm. There is a tan exudate within the mass. This was submitted for culture and microbiology. This animal has a full mouth of teeth with considerable plaque accumulation. There is edema of the scrotum. There is a slight blue/green discoloration to the skin of the ventral abdomen. There is a scar 4.5 cm in length on the abdominal midline between the xyphoid process and the umbilicus. There is a scant amount of blood tinged fluid in the abdomen. There is no spleen. The cecum and colon are markedly distended. The serosal surface is edematous and discolored red/black. There are watery to semi-formed feces in the cecum and colon. The serosal wall is markedly hemorrhagic through the distal colon.

GROSS DIAGNOSIS:

DESCRIPTION OF ABNORMALITIES (cont.)

There are multiple small, white worms in the mucus layer over the cecal and colonic mucosa and in the feces. These worms have a thin tapered tail. The intralobular septae of the lung are prominent, suggestive of early pulmonary edema. There were no other remarkable lesions.

GROSS DIAGNOSIS

Euthanasia, multifocal trauma due to bite wounds, cellulitis, abscess, acute hemorrhagic typhlocolitis, and *Enterobius vermicularis* (pinworm) infection.

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NOTE

Feces were submitted for parasitologic exam, as well as worms fixed in alcohol. Cecal contents, abscess, and heart blood were submitted to microbiology. *Pseudomonas aeruginosa* and *Klebsiella pneumoniae* were isolated from the cecum. The abscess contained *Staphylococcus aureus*, and B hemolytic streptococci. No growth was observed in the blood culture.

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Necropsy Screen

[797]

ID : < 90185 > Death Date: 08/19/92 BAH Destination: NECROPSIED
 Necropsy Date: < 08/19/92 > Sex: M Age Class: ADULT

Necropsy#: < 178PL92 > Time: 1440 Prosector: SVG

Weights:	
Body:	1038
Liver:	35.97
Spleen:	0.0000
Lung:	9.0650
Brain:	0.0000
Heart:	5.5120
Left Kidney:	3.8500
Right Kidney:	3.9200
Left Adrenal:	0.1850
Right Adrenal:	0.2220
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:	Y
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:	A
Th. Viserca:	N
Subq Fat:	A

Abdomen:	
Spleen:	O
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.:	A
Colon:	A
Cecum:	A
Anus:	N

Gross Pathology Screen 2:

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

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:	A
Mesenteric:	A
Thoracic:	N

Muscle:	
Muscles:	A
Bones:	N
Joints:	N

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

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CLINICAL ABSTRACT:

This adult male squirrel monkey was received from CDC in March 1992. Recently it was introduced along with other monkeys into an outside run. This monkey sustained multiple bite wound injuries. The monkey did not respond to treatment and became progressively worse. On 08/19/92 this monkey was euthanatized.

ABNORMALITIES:

An adult male Bolivian squirrel monkey is presented for necropsy. This animal has multiple bite wounds, skin erosions, and ulcerations covering approximately 10% of the body surface, including the head, back, tail, legs, and elbows. There is marked scrotal and preputial edema, and subcutaneous edema of the abdominal wall and legs. There is a large area of debridement, 5 x 3.5 cm, in the dorsal area of the lower back over the lumbar portion of the spinal column. There is a midline scar in the abdominal wall, approximately 5 cm long, located between the xyphoid and the umbilicus. This animal has been splenectomized. There is a focal area of necrosis involving the mesentery and the small intestinal wall. The cervical, prethoracic, inguinal, retroperitoneal, and mesenteric lymph nodes are enlarged.

NOTE

A fecal sample was taken for fecal examination and Strongyloides were observed. The debridement site was cultured for microbiology. Pseudomonas aeruginosa was recovered.

GROSS DIAGNOSIS:

Euthanasia, trauma due to monkey bites, cellulitis, splenectomy.

Necropsy Screen

[794]

ID : < 82393> Death Date: 08/20/92
Necropsy Date: <08/20/92 > Sex: F

BAH Destination: NECROPSIED
Age Class: ADULT

Necropsy#: <179PL92 >

Time: 1400 Prosector: SVG

Weights:	
Body:	535
Liver:	43.41
Spleen:	3.8650
Lung:	11.1110
Brain:	16.0980
Heart:	4.9190
Left Kidney:	4.5150
Right Kidney:	4.1660
Left Adrenal:	0.1460
Right Adrenal:	0.1690
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:	Y
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:	A
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:	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:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	A
Bones:	N
Joints:	N

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

(1)

CLINICAL ABSTRACT:

This animal arrived at the University of Miami from Iquitos, Peru on 10/05/91. She arrived at the University of South Alabama on 07/09/92. She had been held back by the University of Miami from being shipped in a larger group of animals due to an injury to her right arm on 12/04/91. She had also been having problems with poor appetite since her arrival at the University of Miami from Peru and had been treated for that problem there. At USA her appetite continued to be poor, however, it appeared to be improving over the past few weeks while she was in quarantine. Her last body weight taken on 07/21/92 was 693 grams. This compares with 535 grams at death, indicating that she had lost a substantial amount of weight in the intervening weeks.

Clinical Diagnosis

Not established. This animal appeared to be healthy on 08/19/92 and was not under treatment at the time of death. The animal had been scheduled for a final TB test on this date.

ABNORMALITIES:

A thin cachetic female owl monkey, Karyotype V is presented for necropsy. This animal has very prominent eyes. The teeth are in fairly good condition. There is scant adipose tissue in the subcutaneous areas and the body cavities. The tissues are tacky, indicative of dehydration. There is blue/green discoloration of the abdominal wall. The abdomen has a tattoo number, 2393. The musculature is pale. The spleen is markedly enlarged and the liver is also enlarged. There are rare, 1 to 2 mm white foci on the serosal surface of the liver. The lungs are discolored yellow/brown and the right lung lobes are dark red. There is a small amount of clear fluid in the pericardial sac. There is advanced postmortem degeneration of all abdominal viscera. Petechia were observed on the serosal surface of the cecum. Impression smears were made of the spleen for cytologic exam. Many unicellular poorly stained organisms with a distinct capsule were observed in the impression smears. These organisms appear to be yeast, similar to those seen in animal #81329 in the fall of 1991.

Note

The spleen, liver, and cecum were cultured for microbiology and *E. coli* was recovered.

GROSS DIAGNOSIS:

Splenomegaly, hepatomegaly, and typhlitis probably due to a fungal infection, and a possible *E. coli* septicemia. This animal also had a microfilaremia. The microfilaria were observed in the impression smears from the spleen and also in a earlier blood sample.

Necropsy Screen

[796]

ID : < 82038> Death Date: 08/21/92
Necropsy Date: <08/21/92 > Sex: U

BAH Destination: ABORTION
Age Class: FETUS

Necropsy#: <181PL92 >

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:
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:

(1)

CLINICAL ABSTRACT:

This newborn infant, Karyotype III, was found dead and cannabilized on the morning of 08/21/92. The dam of this infant is animal #80129 and the sire is #80128. The sire has had no clinical problems since his arrival here in October of 1991. The mother had an episode of vomitting shortly after arrival in October. According to our records she also apparently lost a newborn infant during her stay at Battelle. There is no clinical diagnosis as to the cause of this stillbirth or neonatal death.

ABNORMALITIES:

A sparsely haired, partially cannibalized owl monkey fetus is presented for necropsy. The left leg, portions of the right leg, and the external genitalia have been cannibalized.

GROSS DIAGNOSIS:

Abortion, stage 3, cannibalized.

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Necropsy Screen

ID : < 92061> Death Date: 08/24/92
 Necropsy Date: <08/24/92 > Sex: M

BAH Destination: NECROPSIED [798]
 Age Class: INFANT

Necropsy#: <184PL92 >

Time: 1720 Prosector: SVG

Weights:	
Body:	84
Liver:	3.00
Spleen:	0.1190
Lung:	1.2560
Brain:	15.2180
Heart:	0.5910
Left Kidney:	0.3090
Right Kidney:	0.3220
Left Adrenal:	0.0760
Right Adrenal:	0.0770
Thymus:	0.1950

Measurements:	
Crown-Rump:	13.00
Crown-Heel:	19.50
Head Circ:	13.00
Bipar. Diam.:	29.19
Arm:	6.30
Femur:	31.64
Tail:	14.80

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

Abdomen:	
Spleen:	N
Liver:	N
Pancreas:	N

Urinary:	
Adrenal:	A
Kidney:	N
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:	N
Epididymis:	N
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. Sac:	

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

Muscle:	
Muscles:	N
Bones:	A
Joints:	N

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

15

CLINICAL ABSTRACT:

ABNORMALITIES:

A full term Bolivian squirrel monkey infant is presented for necropsy. This infant is male. There are multiple, small bite wounds around the umbilicus. There is bruising of the face, particularly the upper lip. The tip of the tail is hyperemic. This animal has been partially eviscerated through the umbilicus. The small intestine, cecum, and colon to the rectum are missing. The lungs are pink and inflated and float in formalin, indicative that this was a live birth. There are two skull fractures in the right occipital area. There is hyperemia of the underlying meninges in this area.

GROSS DIAGNOSIS:

Skull fractures, partial evisceration, live birth, stage 4.

418

Necropsy Screen

[830]

ID : < 82039> Death Date: 08/30/92
 Necropsy Date: <08/30/92 > Sex: M

BAH Destination: ABORTION
 Age Class: FETUS

Necropsy#: <185PL92 >

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:
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:

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CLINICAL ABSTRACT:

ABNORMALITIES:

GROSS DIAGNOSIS:

Abortion, stage 2, cannibalized.

13

Necropsy Screen

[802]

ID : < 92062 > Death Date: 09/02/92
 Necropsy Date: <09/02/92 > Sex: F

BAH Destination: STILLBIRTH
 Age Class: INFANT

Necropsy#: <187PL92 >

Time: 1600 Prosector: SVG

Weights:	
Body:	104
Liver:	3.49
Spleen:	0.1140
Lung:	2.9070
Brain:	17.1450
Heart:	0.5400
Left Kidney:	0.3250
Right Kidney:	0.2950
Left Adrenal:	0.1840
Right Adrenal:	0.1960
Thymus:	0.1900

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	12.30
Bipar. Diam.:	29.79
Arm:	0.00
Femur:	31.53
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:	A
Skin:	A
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	N

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:	N
Cecum:	N
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:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	N
Bones:	N
Joints:	N

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

99

CLINICAL ABSTRACT:

ABNORMALITIES:

A full term infant female Bolivian squirrel monkey is presented for necropsy. The animal is wet. The lungs are dark red and sank when placed in formalin. The adrenals are enlarged and hemorrhagic. There is bruising of the skin over the skull and a small hematoma in the occipital region. The brain is very soft.

GROSS DIAGNOSIS:

Stillbirth, stage 4.

Necropsy Screen

[806]

ID : < 90223> Death Date: 09/16/92
 Necropsy Date: <09/16/92 > Sex: F

BAH Destination: NECROPSIED
 Age Class: ADULT

Necropsy#: <191PL92 >

Time: 1630 Prosector: SVG

Weights:	
Body:	640
Liver:	32.38
Spleen:	0.0000
Lung:	5.1520
Brain:	23.6220
Heart:	4.2400
Left Kidney:	2.1260
Right Kidney:	2.1300
Left Adrenal:	0.1920
Right Adrenal:	0.1220
Thymus:	0.0000

Measurements:	
Crown-Rump:	29.00
Crown-Heel:	44.20
Head Circ:	15.70
Bipar. Diam.:	38.59
Arm:	15.20
Femur:	84.60
Tail:	36.70

Check List:	
Bacteriology:	
Parasitology:	
Urinalysis:	Y
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:	N
Orifices:	N
Skin:	N
Ab. Viscera:	A
Th. Viserca:	N
Subq Fat:	N

Abdomen:	
Spleen:	
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:	
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:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	N
Bones:	N
Joints:	N

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

101

CLINICAL ABSTRACT:

This monkey was found down in her cage of 09/14/92. She was markedly dehydrated with pronounced hypernatremia and leukopenia. She was treated for 2 days with fluids and oral supplements but failed to respond. On 09/16/92 the decision was made to humanely euthanize this monkey.

ABNORMALITIES:

An adult female Bolivian squirrel monkey is presented necropsy. This animal has a moderately enlarged, pale liver. The spleen is absent. No other abnormalities were noted.

Note

Urine was collected for urine analysis. The ovaries were collected and frozen in liquid nitrogen.

GROSS DIAGNOSIS:

Euthanasia, splenectomy.

107

Necropsy Screen

[807]

ID : < 92066 > Death Date: 09/25/92 BAH Destination: NECROPSIED
 Necropsy Date: < 09/25/92 > Sex: F Age Class: INFANT

Necropsy#: < 193PL92 > Time: 945 Prosector: SVG

Weights:	
Body:	110
Liver:	3.89
Spleen:	0.0900
Lung:	2.3580
Brain:	17.3530
Heart:	0.6200
Left Kidney:	0.3220
Right Kidney:	0.2820
Left Adrenal:	0.0590
Right Adrenal:	0.0470
Thymus:	0.1280

Measurements:	
Crown-Rump:	13.00
Crown-Heel:	20.20
Head Circ:	12.50
Bipar. Diam.:	31.16
Arm:	7.50
Femur:	32.47
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
Crifices:	N
Skin:	A
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:	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:	
Vagina:	
Vulva:	

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

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

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

Muscule:	
Muscles:	N
Bones:	N
Joints:	N

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

102

CLINICAL ABSTRACT:

This AID Bolivian squirrel monkey female was born on 09/22/92. Shortly after birth this animal was wormed with Ivermectin and moved with its mother to a new pen. On the afternoon of 09/24 this infant was having trouble clinging to its mother. The infant's condition continued to deteriorate despite treatment with steroids and antibiotics (head injury was suspected). On 09/25 this animal was moribund and the decision was made to euthanize her. The infant was first anesthetized with Ketamine and Rompun, and then euthanized with Sodium Pentobarbital after drawing a sample for serum chemistry and hematology. Hematology on the terminal sample revealed mild anemia with a 30.5 hematocrit. Total protein and albumin were mildly decreased and total bilirubin was elevated. There were no other outstanding findings.

Clinical Diagnosis

Not established, however head injury was suspected.

ABNORMALITIES:

A female infant Bolivian squirrel monkey is presented for necropsy. The animal is well fleshed and seems to be in a good state of hydration. There is a pronounced yellow color to the skin most noticeable on the palms of the hand, soles of the feet, and the skin of the face. There are adequate adipose stores in the subcutaneous tissue and within the body cavities. The ingesta in the stomach is flocculent and green. There is focal hemorrhage of the epicardium in the left ventricle, probably due to the euthanasia technique. There is focal hemorrhage in the left diaphragmatic lung lobe, as well as prominent intralobular septae throughout the lungs which are also probably a euthanasia artifact. There is a small subperiosteal hematoma in the left occipital area. No fracture is associated with this lesion. The surface of the brain is wet with very slight hemorrhage and was cultured for microbiology. The culture was negative for bacteria.

GROSS DIAGNOSIS:

Euthanasia, icterus.

Necropsy Screen

ID : < 80309> Death Date: 09/28/92 BAH Destination: NECROPSIED [822]
 Necropsy Date: <09/28/92 > Sex: F Age Class: ADULT

Necropsy#: <194PL92 > Time: 1515 Prosector: SVG

Weights:	
Body:	556
Liver:	19.87
Spleen:	0.8510
Lung:	6.8670
Brain:	16.4630
Heart:	3.7380
Left Kidney:	3.1160
Right Kidney:	3.0290
Left Adrenal:	0.1540
Right Adrenal:	0.1400
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:	Y
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:	A

Abdomen:	
Spleen:	N
Liver:	N
Pancreas:	A

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:	N
Thyroids:	N
Bronchi:	N
Pleura:	N
Lungs:	N

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	
Vessels:	
Aorta:	A
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

102

CLINICAL ABSTRACT:

This animal was anesthetized for routine colony work-up on 09/28/92. At that time the animal's temperature was found to be 89.9 degrees. The animal was found to be extremely thin and had lost 218 grams from the weight taken on 08/31/92. This animal's condition continued to deteriorate during the day despite fluid therapy. It was also placed on a heating pad, however none of these treatments seemed to help and the animal died at about 2:25 p.m. on 09/28/92. The rapid course of illness in this animal precluded any clinical diagnosis.

ABNORMALITIES:

A thin adult female Karyotype II owl monkey is presented for necropsy. Ribs 7, 8 & 9 are fractured near the sternum. This appears to be an old injury as there is no hemorrhage associated with the fractures. The gastrointestinal tract is empty and shrunken. There is very little adipose tissue in the subcutaneous areas or in the body cavity. The gallbladder is distended with bile, however the bile duct is patent. The pancreas is hyperemic. The lungs are dark pink but resumed normal color when inflated with formalin. The dark color is probably due to attempts to resuscitate the animal. There is a dissecting aneurysm of the thoracic aorta. This aneurysm is small, occupying probably less than one-fifth of the volume of the aorta, and the aneurysm has not ruptured.

NOTE

The peritoneal surface was cultured for microbiology and was negative. Liver and kidney were frozen in liquid nitrogen. Urine was submitted for a urine analysis.

GROSS DIAGNOSIS:

Dissecting aneurysm of the thoracic aorta, possible pancreatitis and renal failure. Blood work is consistent with an acute inflammatory process and cessation of glomerular filtration.

Necropsy Screen

ID : < 90922> Death Date: 09/30/92
 Necropsy Date: <10/01/92 > Sex: M

[825]
 BAH Destination: NECROPSIED
 Age Class: ADULT

Necropsy#: <195PL92 >

Time: 850 Prosector: SVG

Weights:	
Body:	784
Liver:	34.48
Spleen:	1.0660
Lung:	6.1910
Brain:	25.9220
Heart:	5.2940
Left Kidney:	3.4560
Right Kidney:	2.9670
Left Adrenal:	0.2210
Right Adrenal:	0.1530
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: { 2 }

[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:	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:	
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:	A
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	A
Bones:	N
Joints:	N

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

107

CLINICAL ABSTRACT:

This adult male Bolivian squirrel monkey was presented with a large necrotic area of the scalp on 09/28/92. The area was debrided, the animal was placed on subcutaneous Gentocin given BID, and a dry/wet dressing was sewn in place. The animal removed the dressing several times, and on 09/29/92 the decision was made to mildly tranquilize the animal on a continuing basis with Acepromazine. The wound was again necrotic on 09/29 requiring second debridement, which substantially increased the amount of scalp removed. On 09/30 this animal was again examined. At that time the infection had migrated to a substantially larger area, and the decision was made to euthanize the animal. The animal was anesthetized with a large dose of intravenous Ketamine and Rompun. During induction of anesthesia the animal went into cardiac arrest and died.

CLINICAL DIAGNOSIS

Massive scalp necrosis due to bite wound.

ABNORMALITIES:

An adult male Bolivian squirrel monkey is presented for necropsy. There is bite wound trauma to the head, back of the legs, and the tip of the tail is necrotic for the distal 2.5 cm. Several sites of wounds on the head have been debrided. There is extensive cellulitis in the areas bordering the regions of debridement. These areas of cellulitis were cultured for microbiology. The liver is enlarged and yellow/tan. The retroperitoneal lymph nodes at the level of the external iliac arteries are prominent and enlarged. These are the lymph nodes that drain the tail.

GROSS DIAGNOSIS:

Euthanasia, bite trauma, cellulitis.

MICROBIOLOGY:

Staphylococcus aureus was recovered from the areas of cellulitis.

Necropsy Screen

[823]

ID : < 84010 > Death Date: 10/01/92 BAH Destination: NECROPSIED
 Necropsy Date: <10/01/92 > Sex: M Age Class: ADULT

Necropsy#: <196PL92 > Time: 1040 Prosector: SVG

Weights:	
Body:	708
Liver:	23.56
Spleen:	0.7230
Lung:	14.3300
Brain:	15.5300
Heart:	5.8900
Left Kidney:	2.1210
Right Kidney:	2.2210
Left Adrenal:	0.1140
Right Adrenal:	0.0950
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:	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.:	A
Colon:	N
Cecum:	N
Anus:	N

Gross Pathology Screen 2:

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

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

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

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

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

Muscle:	
Muscles:	N
Bones:	A
Joints:	N

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

108

CLINICAL ABSTRACT:

This animal was found on morning observations with subcutaneous edema of the face. On examination the animal had substantial weight loss, the animal was weak, and a blood sample taken at that time was obviously anemic. Treatment was initiated with Iron Dextran multi-vitamins, fluids, diuretics, and steroids on the assumption that this animal was both anemic and had renal disease. This animal was one of the older members of a group of animals that arrived from England in March of 1992. His condition continued to deteriorate through the day and he was found dead on morning observations on October 1, 1992.

ABNORMALITIES:

An adult male owl monkey is presented for necropsy. The number 4010 is tattooed on the left thigh, the number 3 is tattooed on the chest. There is extensive subcutaneous fluid accumulation along the ventral body and in the subcutaneous tissues over the legs and scrotum. There is 12 ml of clear, yellow fluid in the abdomen. The kidneys are shrunken and pale with a rough surface. The capsule is adherent to the cortex. There are multifocal, small (less than 2 mm) cysts on the surface of the kidneys. The kidneys are firm when cut. The lungs are wet and heavy with abundant white froth present in the trachea and bronchi. There is 2 ml of clear fluid accumulated in the pericardial sac. There is a dissecting aneurysm along the thoracic aorta. This aneurysm has not ruptured, however it exists from the origin of the aorta at the base of the heart. There is moderate postmortem degeneration of the mid-section of the jejunum. The bones are brittle and easily broken.

Note

Pericardial and abdominal fluids were submitted for determination of total protein and specific gravity.

GROSS DIAGNOSIS:

Renal failure, pulmonary edema, pericardial and abdominal effusion, dissecting aneurysm of the thoracic aorta.

Necropsy Screen

[824]

ID : < 82043> Death Date: 10/01/92
Necropsy Date: <10/01/92 > Sex: U

BAH Destination: ABORTION
Age Class: FETUS

Necropsy#: <197PL92 >

Time: 1130 Prosector: SVG

Weights:	
Body:	15
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: { 5 }

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

General:	
Haircoat:	A
Orifices:	A
Skin:	A
Ab. Viscera:	A
Th. Viscera:	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 was never seen alive, but was found in the cage of the mother, #80861 on the morning of October 1, 1992. Weight of the fetus indicates that it was not a viable animal after delivery.

ABNORMALITIES:

The partial body of a fetal owl monkey is presented for necropsy. Portions of the abdomen and legs have been cannibalized so it is not possible to determine the sex of this infant. There is no hair on any of the body parts.

GROSS DIAGNOSIS:

Abortion, stage 2, cannibalized.

Necropsy Screen

ID : < 82045> Death Date: 10/07/92
Necropsy Date: <10/07/92 > Sex: U

BAH Destination: ABORTION
Age Class: FETUS

Necropsy#: <198PL92 >

Time: 1150 Prosector: SV

Weights:	
Body:	21
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: { 5 }
[Alt-F for Reports Men

Gross Pathology Screen 1:

General:	
Haircoat:	A
Orifices:	N
Skin:	A
Ab. Viscera:	A
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:	

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CLINICAL ABSTRACT:

This 30 gram fetus was found on the floor of the cage on the morning of 10/07/92. The mother had been sampled earlier that morning for a rectal swab. Other than that, neither of the parents have had any clinical incidents during the pregnancy. As a result of this incident MCRB staff have been counseled regarding the need to advise the veterinarian regarding samples being taken on pregnant animals, so that a decision may be made whether the necessity of taking a sample outweighs the risk to the pregnancy.

ABNORMALITIES:

A partially cannibalized owl monkey fetus is presented for necropsy. The fetus is small and unhaired. The legs and lower abdomen have been cannibalized.

GROSS DIAGNOSIS:

Abortion, stage 2.

Necropsy Screen

ID : < 92064> Death Date: 10/07/92
 Necropsy Date: <10/07/92 > Sex: F

BAH Destination: NECROPSIED [828]
 Age Class: INFANT

Necropsy#: <200PL92 >

Time: 1505 Prosector: SVG

Weights:
 Body: 90
 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: ()
 [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: A

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

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

Gross Pathology Screen 2:

Male:
 Testes:
 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: A
 Bones: A
 Joints:

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

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CLINICAL ABSTRACT:

ABNORMALITIES:

A badly decomposed, partially cannibalized, female squirrel monkey infant is presented for necropsy. The entire tail and muscles of the rump have been cannibalized. The eyes are markedly sunken and the skin is stretched tight over the skeleton. The subcutaneous tissues are very tacky, indicative of marked dehydration. The skin of the abdomen and legs is blue/purple and there is advanced post-mortem degeneration of the viscera and the abdomen. The liver is purple to black, the kidneys are very, very soft, and the intestinal tract has decomposed. The lungs are mottled dark red and it is difficult to determine whether this is postmortem lividity or an indication of an infectious process. This will be determined by histopathology. On examination of the skull, there are two skull fractures that are very extensive involving the occipital bone, however there is no hemorrhage associated with these fractures.

GROSS DIAGNOSIS:

Open, possibly due to bilateral skull fractures; however, the lack of hemorrhage at the fracture sites indicate that the fractures may have occurred after death.

Necropsy Screen

ID : < 82044> Death Date: 10/07/92 BAH Destination: NECROPSIED [829]
 Necropsy Date: <10/09/92 > Sex: M Age Class: INFANT

Necropsy#: <201PL92 > Time: 1200 Prosector: SVG

Weights:	
Body:	63
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:	A
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	A

Abdomen:	
Spleen:	N
Liver:	N
Pancreas:	

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:	
Epididymis:	
Prostrate:	
Penis:	

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

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

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

Lymph Node:	
Peripheral:	
Mesenteric:	
Thoracic:	

Muscle:	
Muscles:	A
Bones:	N
Joints:	N

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

CLINICAL ABSTRACT:

ABNORMALITIES:

An immature owl monkey infant, Karyotype V is presented for necropsy. This infant has hair only on his head, the rest of the body is hairless. The skin is erythematous. There are multiple superficial bite wounds on the arms, face, tail, and feet, and some deep bite wounds on the tail and the dorsum of the left pinna. The gastrointestinal tract is distended with gas. There is very little postmortem degeneration. The lungs are dark red with a meaty texture. There is mild subcutaneous hemorrhage over the surface of the skull and corresponding mild hemorrhage over the surface of the brain.

GROSS DIAGNOSIS:

Euthanasia, premature infant, parental rejection.

Necropsy Screen

[831]

ID : < 82049> Death Date: 10/22/92
Necropsy Date: <10/22/92 > Sex: F

BAH Destination: ABORTION
Age Class: FETUS

Necropsy#: <202PL92 >

Time: 1400 Prosector: SVG

Weights:	
Body:	28
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: { 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:

ABNORMALITIES:

A non-haired, small owl monkey fetus and placenta were submitted in formalin.

GROSS DIAGNOSIS:

Abortion, stage 2.

Necropsy Screen

[833]

ID : < 81370> Death Date: 10/28/92
Necropsy Date: <10/28/92 > Sex: F

BAH Destination: NECROPSIED
Age Class: ADULT

Necropsy#: <204PL92 >

Time: 1230 Prosector: SVG

Weights:	
Body:	1086
Liver:	105.15
Spleen:	0.9290
Lung:	23.0420
Brain:	20.3800
Heart:	12.3980
Left Kidney:	8.5090
Right Kidney:	7.6820
Left Adrenal:	0.1540
Right Adrenal:	0.1660
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:	Y
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:	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:	
Epididymis:	
Prostrate:	
Penis:	

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

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

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

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

Muscle:	
Muscles:	N
Bones:	N
Joints:	N

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

CLINICAL ABSTRACT:

This female Karyotype I Aotus was born in December of 1989 at Battelle. In the summer of 1992 this animal began to show signs of heart failure with ascites muffled heart sounds, and exercise intolerance. The animal condition continued to deteriorate despite the use of Lasix in increasing doses. On 10/28/92 this animal was removed from her cage for blood collection for potassium determination as part of a research study on heart failure in Aotus. The animal went into cardiac and respiratory arrest. She was briefly revived and placed in an oxygen cage, however, approximately 1/2 hour later this animal died.

CLINICAL DIAGNOSIS

Heart failure.

ABNORMALITIES:

An adult female Karyotype I owl monkey is presented for necropsy. The abdomen is markedly distended and taut. The distention palpates as fluid. There is pronounced subcutaneous edema along the ventrum of the body. The liver is markedly enlarged, occupying approximately 1/2 of the abdominal cavity. There are 15 ml of serosanguinous fluid within the abdominal cavity. The kidneys are firm and gritty when cut. There are distinct pale rays in the cortex of the kidney. There is approximately 20 ml of serosanguinous fluid in the thorax. The lungs are collapsed and dark plum in color. There is hemorrhage into the pericardial sac, this is probably secondary to Epinephrine administration during resuscitation. The heart is dilated and weighs greater than 1% of the body weight. The thyroids were enlarged and very prominent.

NOTE

Portions of the liver and kidney were frozen in liquid nitrogen. Photographs of the thorax and liver were made.

GROSS DIAGNOSIS:

Congestive heart failure, cardiomegaly.

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Necropsy Screen

[835]

ID : < 92051> Death Date: 11/02/92
 Necropsy Date: <11/03/92 > Sex: F

BAH Destination: NECROPSIED
 Age Class: INFANT

Necropsy#: <206PL92 >

Time: 1045 Prosector: SVG

Weights:	
Body:	184
Liver:	9.94
Spleen:	0.9500
Lung:	4.2860
Brain:	30.2680
Heart:	1.4410
Left Kidney:	0.9580
Right Kidney:	0.9400
Left Adrenal:	0.7600
Right Adrenal:	0.7200
Thymus:	0.5090

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:	Y
Tissues Frozen:	Y
Tissues Fixed:	Y
Outgoing Samples:	
Photos:	Y
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:	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:	
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:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	A
Bones:	A
Joints:	N

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

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CLINICAL ABSTRACT:

This infant was born in 1992 and has had a history of multiple tail amputations. Recently it was returned to its run, #24, with its mother. On the morning of 11/02/92 this infant was observed to be weak and clinging poorly to its mother. The mother and the infant were on the floor of the run. The infant was removed and evaluated. The body temperature was less than 94 degrees Fahrenheit, and glucose was 13. The animal appeared to be weak, poorly responsive to stimuli, and generally unaware of its surroundings. It had a strong grasping reflex with the forearms, but the hind limbs splayed out. The infant was treated symptomatically with oral glucose, SMA, and subcutaneous fluids. The symphyses of the skull were separated and very prominent and it was felt that this animal had some form of head trauma, especially since there was bruising to the nose and the front of the face. The animal was also treated with Dexamethasone. The animal became stronger, but remained unresponsive to its surroundings. Fluids and Dexamethasone were repeated. This animal was found dead in the nursery at 7:00 p.m.

ABNORMALITIES:

An infant Bolivian squirrel monkey is presented for necropsy. There are a few petecchia of the skin of the inner thigh region. There is pronounced subcutaneous edema over the ventrum of the body, probably due to subcutaneous fluid administration. There is extensive serosal and subserosal hemorrhage from the stomach through the small intestine, cecum, to the rectum. This hemorrhage is pronounced and diffuse. The spleen is enlarged and there are multiple, pale foci visible within the spleen. The liver is pale, and the skeletal musculature is pale. There are multifocal, renal petecchia. The petecchia appear to be confined to the surface of the cortex. There are rare pinpoint hemorrhages on the surface of the lungs. There is pronounced hemorrhage along the physes of the skull. Upon removing the skull and the meninges, the surface of the brain is markedly hyperemic. Cut sections of the brain revealed that there are areas of the grey matter that appear to be malacic.

NOTE

Cultures of the surface of the brain, spleen, and intestine were submitted for microbiology. Impression smears of the spleen were submitted for cytology. Photographs were taken of the thorax and abdomen. The spleen, kidney, and intestine were frozen in liquid nitrogen. The results of cytologic examination reveal that there are numerous intracellular cytoplasmic organisms in the cells of the spleen.

GROSS DIAGNOSIS:

Lesions are consistent with a systemic infection. Staphylococcus aureus was isolated from the brain and spleen. Colonies of gram positive cocci were observed in multiple histologic tissue sections.

Necropsy Screen

ID : < 90042> Death Date: 11/09/92
 Necropsy Date: <11/09/92 > Sex: F

BAH Destination: NECROPSIED
 Age Class: ADULT

[836]

Necropsy#: <207PL92 >

Time: 1030 Prosector: SVG

Weights:	
Body:	726
Liver:	30.47
Spleen:	0.0000
Lung:	5.4170
Brain:	25.6580
Heart:	4.1930
Left Kidney:	2.7440
Right Kidney:	2.9210
Left Adrenal:	0.1440
Right Adrenal:	0.1460
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:	N
Orifices:	A
Skin:	A
Ab. Viscera:	A
Th. Viserca:	A
Subq Fat:	A

Abdomen:	
Spleen:	
Liver:	N
Pancreas:	N

Urinary:	
Adrenal:	N
Kidney:	A
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:	
Vulva:	

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

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

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

Muscle:	
Muscles:	A
Bones:	N
Joints:	N

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

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CLINICAL ABSTRACT:

This AID Bolivian squirrel monkey female was acquired by AID in November in 1989. She has no history of problems since her arrival at USA in the summer of 1991. There is some question as to whether this animal was splenectomized. There is no record of the animal having been splenectomized and there is some dispute as to the presence of an abdominal scar on the midline in this animal. On 11/06/92 this animal was presented with a tail injury and a wound of the occipital scalp that was infected. The wound was cleaned and debrided, and treated with strong iodine. The following day the animal had no problems observed, however, on 11/08/92 this animal had diffuse facial swelling and drainage from the occipital scalp wound. The wound was further debrided, a Penrose drain was installed, and the wound was flushed with sterile saline. Rocephin antibiotic was started intravenously and the animal was placed on a regimen of twice a day fluids and antibiotic ointment to be placed into the drain area. At this time the animal had a temperature of 104.2 degrees Fahrenheit, and a body weight of 686 grams. The animal was unable to eat and was fed with a liquid diet. Her condition continued to deteriorate. By that evening discoloration was observed in the mandibular area. On incision in this area, a large amount of purulent fluid escaped from the wound. At this point the decision was made to euthanize the animal. Blood was taken for a CBC and chemistry (NOTE: prior to the use of antibiotics the day before, cultures were taken). The animal was then euthanized with 1 cc of Sodium Pentobarbital given intracardially.

CLINICAL DIAGNOSIS

Fulminating infection resulting from a bite wound to the occipital scalp.

ABNORMALITIES:

An adult female Bolivian squirrel monkey is presented for necropsy. The face of this monkey is markedly swollen and the eyes are shut. There is an area of debridement over the occipital portion of the skull and a Penrose drain has been inserted in this area. There is purple discoloration in the submanibular area. An incision has been made in the skin at this point and a yellow/grey exudate is apparent at the point of incision. The left arm is swollen along its entire length, including the dorsum of the hand. There is pronounced subcutaneous edema in the left arm and the subcutaneous tissues in the immediately underlying muscle are discolored grey/brown. There is an associated fetid odor. The palms and soles of the feet are pale. This animal has poor dentition of all teeth. Teeth should be graded four or having marked wear. This animal has a small scar on the midline of the ventral abdomen, approximately 2.5 to 3 cm in length, just beneath the xyphoid process. The animal has apparently been splenectomized as there is no spleen in the abdomen. There is a focal scar on the cortex of the left kidney. The scar is approximately 2 mm in diameter and is associated with a marked depression of the cortex. There is hemorrhage into the pericardial sac, probably secondary to the euthanasia technique. There is pronounced subcutaneous edema over the skull and face. Clear, yellow fluid flowed freely from the cut surfaces of the skin and subcutaneous tissue. The underlying muscle and tissue fascia are discolored grey to dark brown.

GROSS DIAGNOSIS:

Humane euthanasia, cellulitis secondary to bite wound trauma, splenectomy. *Staphylococcus aureus* and *Pseudomonas maltophilia* were isolated from the areas of cellulitis.

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Necropsy Screen

[837]

ID : < 82056> Death Date: 11/21/92
Necropsy Date: <11/21/92 > Sex: F

BAH Destination: NECROPSIED
Age Class: INFANT

Necropsy#: <208PL92 >

Time: 1130 Prosector: AGB

Weights:	
Body:	0
Liver:	1.70
Spleen:	0.1000
Lung:	0.0000
Brain:	7.6800
Heart:	0.3400
Left Kidney:	0.2800
Right Kidney:	0.2700
Left Adrenal:	0.0800
Right Adrenal:	0.0800
Thymus:	0.0000

Measurements:	
Crown-Rump:	12.00
Crown-Heel:	0.00
Head Circ:	10.00
Bipar. Diam.:	25.60
Arm:	0.00
Femur:	27.70
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:	
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:	

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CLINICAL ABSTRACT:

This Karyotype II female infant was born on 11/17/92. The infant was extremely small when delivered and had a very thin hair coat, and thus was believed to be premature. As per our standard protocol with infants of this type, no intervention was attempted unless the infant became too weak to hold on to a parent. On the morning of 11/19 the infant was found on the floor of the nest box. Temperature was less than 80 degrees, and body weight was 55 grams. The infant was given fluids and glucose, and supplemental feeding was provided. The infant was able to hold on to the parents that afternoon, however, the next morning the infant was once more found off the parent. This continued each morning until the 21st, with the infant's condition gradually deteriorating until the weight on 11/21 was 45 grams. The mother of this infant was born in 1980 and the father arrived at Battelle in 1982, thus both parents were relatively old. Both animals arrived at USA in October of 1991. The mother was treated for depression shortly after arrival. Other than this, neither parent has any clinical incidents on file. The infant was found dead at feeding time on the morning of 11/21. The primary cause of death in this infant was not established clinically, however, the infant's extremely small size and apparent prematurity were believed to be major contributing factors to the demise of the infant.

ABNORMALITIES:

The lungs are diffusely dark purple and failed to collapse when the chest is opened. The animal is quite small for a newborn infant. The coat is quite thin and the skin is thin.

GROSS DIAGNOSIS:

The low body weight, small biparietal diameter and gross appearance of this animal all suggest prematurity. The apparent lesions in the lung suggest pulmonary edema or pneumonia, however, this is believed to be secondary to the multiple problems related to premature birth.

Necropsy Screen

[838]

ID : < 80687> Death Date: 11/29/92
 Necropsy Date: <11/30/92 > Sex: M

BAH Destination: NECROPSIED
 Age Class: ADULT

Necropsy#: <209PL92 >

Time: 900 Prosector: SVG

Weights:	
Body:	807
Liver:	33.95
Spleen:	0.7600
Lung:	10.0060
Brain:	19.4850
Heart:	8.3930
Left Kidney:	4.7800
Right Kidney:	4.7100
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: { }
 [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:	N
Liver:	A
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:	
Prostrate:	
Penis:	N

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

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

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

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

Muscle:	
Muscles:	N
Bones:	A
Joints:	N

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

CLINICAL ABSTRACT:

This owl monkey had an echocardiographic diagnosis of dilatative heart disease, which was confirmed by electrocardiogram, radiograph, and complete blood count analysis in July of 1992. He had an episode of weakness earlier this fall. On the morning of the 29th he was found down on the morning observations. His temperature was 80 degrees Fahrenheit. The animal was placed on a hot water bottle and died before treatment was begun.

ABNORMALITIES:

An adult male Karoytype I owl monkey is presented for necropsy. The animal is well fleshed and has a plush, luxurious hair coat. There is postmortem degeneration of some of the abdominal viscera with bile staining of the small intestine. The stomach and most of the gastrointestinal tract are empty. There is a small amount of material within the cecum. The terminal ileum has intussuscepted into the cecum for approximately 4 cm. Intussusception is non-reduceable, and the tissue is necrotic and grey colored. Mesenteric lymph nodes are enlarged and firm. There is approximately 2 ml of straw colored fluid in the pericardial sac. The heart weight is greater than 1% of the body weight, but the heart outline appears to be normal. There is postmortem lividity of the right lung lobe. The thyroid glands are markedly enlarged, especially the right gland. Weights are: right thyroid - .136 grams, and left thyroid - .081 grams. The bones are brittle and easily cut.

GROSS DIAGNOSIS:

Intussusception, enlarged heart with a weight greater than 1% body weight, enlarged thyroid glands.

Necropsy Screen

[839]

ID : < 82058 > Death Date: 11/29/92
 Necropsy Date: < 11/30/92 > Sex: U

BAH Destination: ABORTION
 Age Class: FETUS

Necropsy#: < 210PL92 >

Time: 1500 Prosector: SVG

Weights:

Body:	17
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: { 5 }

[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:
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 cannibalized fetus was found dead in the feed bowl at 11:00 a.m. on 11/29/92.

ABNORMALITIES:

A stage 3 owl monkey fetus is presented for necropsy. The extremities, skin, and portions of the abdomen have been cannibalized. There is a small amount of hair associated with the skin and prominent whiskers around the muzzle. No tissues were collected in formalin.

GROSS DIAGNOSIS:

Abortion, stage 3, cannibalized.

Necropsy Screen

ID : < 81332> Death Date: 12/04/92 BAH Destination: NECROPSIED [840]
 Necropsy Date: <12/04/92 > Sex: F Age Class: ADULT

Necropsy#: <211PL92 > Time: 1145 Prosector: SVG

Weights:
 Body: 794
 Liver: 67.49
 Spleen: 2.1280
 Lung: 13.8500
 Brain: 15.7100
 Heart: 9.7410
 Left Kidney: 4.9990
 Right Kidney: 3.5830
 Left Adrenal: 0.2200
 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: Y
 Biopsy/Cytology: Y
 Tissues Frozen: Y
 Tissues Fixed: Y
 Outgoing Samples:
 Photos: Y
 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: A
 Liver: A
 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.: A
 Colon: N
 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: N
 Pleura: N
 Lungs: A

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

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

Muscule:
 Muscles: N
 Bones: N
 Joints: N

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

12/1

CLINICAL ABSTRACT:

With the exception of an abortion in April of 1992, this animal has had no clinical incidents since its arrival at USA in 1991. This Karyotype V female was found on morning observations unwilling to move. Upon removal for examination the animal went into cardiac and respiratory arrest. Attempts to resuscitate the animal were unsuccessful. The animal died on the morning of 12/04/92. Because of the rapid course of this animal's illness no clinical diagnosis was established, however, a large mass was palpated in the cranial abdomen. This mass would be worthy of investigation during necropsy.

NOTE

Just prior to death, technicians reported that this animal was unable to use her hind legs.

ABNORMALITIES:

An adult female owl monkey, Karyotype V is presented for necropsy. This animal has the tattoo 2227 on the abdomen and the tattoo 1332 on its inner thigh. The animal does not have a tag on a neck chain. The animal is in good flesh with a plush hair coat. The liver is markedly enlarged and mottled dark red/black to brown. The liver does not bleed freely from cut surface, i.e. it is not congested with blood. The liver is very firm when palpated. The spleen is moderately enlarged, approximately two times normal size. There is hemorrhage in the stomach mucosa, otherwise there are no substantial stomach contents. The small intestinal tract is hyperemic throughout its length. There is a small amount of mucosal hemorrhage in the blind end of the cecum. The left kidney is markedly swollen with dark red/black mottling on the cortical surface. On cut section the dark red/black areas are acute, hemorrhagic, renal infarcts. The left kidney is normal size, but has a large, pale tan area at the caudal pole. The pericardial sac contains small amounts of blood. Hemorrhage is probably secondary to intracardial administration of Epinephrine. The epicardium of the heart is pale. The left atrium is distended. Within the left atrium is a large verucus thrombus weighing 1.07 grams. On dissection of the aorta, multiple linear thrombi were observed in the abdominal aorta distal to the renal arteries. There was a saddle thrombus at the bifurcation of the external iliac arteries. The lungs are collapsed in the thorax and are plum colored.

NOTE

The atrial thrombus and the spleen were cultured for microbiology. Impression smears were made of the spleen for cytology. Portions of the spleen were frozen in liquid nitrogen. Urine was submitted for a urinalysis, and photographs were made of the kidneys and thrombi in the distal aorta. A gram positive rod was recovered from culture of the thrombus.

GROSS DIAGNOSIS:

Atrial and aortic thrombi, cardiomyopathy, acute hemorrhagic renal infarction.

Necropsy Screen

[841]

ID : < 82430> Death Date: 12/12/92 BAH Destination: NECROPSIED
 Necropsy Date: <12/12/92 > Sex: F Age Class: ADULT

Necropsy#: <213PL92 > Time: 1330 Prosector: SVG

Weights:	
Body:	991
Liver:	47.66
Spleen:	2.7680
Lung:	19.1310
Brain:	15.7830
Heart:	10.5130
Left Kidney:	6.5260
Right Kidney:	6.0450
Left Adrenal:	0.2730
Right Adrenal:	0.2590
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:	Y
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:	N

Abdomen:	
Spleen:	A
Liver:	A
Pancreas:	N

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

Gasto-Int.:	
Mouth:	A
Tongue:	A
Rectum:	N
Stomach:	N
Esophagus:	N
Small Int.:	A
Colon:	N
Cecum:	N
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:	A
Trachea:	A
Thyroids:	N
Bronchi:	A
Pleura:	N
Lungs:	A

Coronary:	
Pericardium:	N
Epicardium:	N
Myocardium:	N
Arteries:	N
Vessels:	
Aorta:	N
Venacava:	N
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

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CLINICAL ABSTRACT:

This animal was shipped to the University of South Alabama in 1992 from the University of Miami. Its history here has been unremarkable. This animal was found dead on the morning observations of 12/12/92.

ABNORMALITIES:

An adult female Karyotype V owl monkey is presented for necropsy. There is mild hepatomegaly and splenomegaly. The heart is moderately enlarged, weighing greater than 1% of the body weight. The lungs are wet and heavy, and mottled red to pink with foci of consolidation and hemorrhage. There is froth in the trachea, larynx, and nares.

NOTE

Impression smears were made of the lung and spleen, and the lung was cultured for microbiology. The cultures of the lung were all negative. Impression smears of the lung were consistent with pulmonary edema.

GROSS DIAGNOSIS:

Cardiomegaly, pulmonary edema.

Necropsy Screen

[842]

ID : < 82060 > Death Date: 12/12/92
 Necropsy Date: <12/12/92 > Sex: M

BAH Destination: NECROPSIED
 Age Class: INFANT

Necropsy#: <214PL92 >

Time: 1500 Prosector: SVG

Weights:	
Body:	61
Liver:	2.08
Spleen:	0.1900
Lung:	1.6580
Brain:	6.7900
Heart:	0.3250
Left Kidney:	0.2310
Right Kidney:	0.2330
Left Adrenal:	0.2470
Right Adrenal:	0.1820
Thymus:	0.4000

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

Abdomen:	
Spleen:	N
Liver:	N
Pancreas:	N

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

Gasto-Int.:	
Mouth:	N
Tongue:	N
Rectum:	N
Stomach:	A
Esophagus:	N
Small Int.:	A
Colon:	N
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:	N
Mesenteric:	N
Thoracic:	N

Muscle:	
Muscles:	N
Bones:	N
Joints:	N

Brain:	
Meninges:	
Greymatter:	
Pituitary:	
Brain:	A

CLINICAL ABSTRACT:

ABNORMALITIES:

A premature male infant owl monkey is presented for necropsy. There is substantial hair growth only on the head and tail. The remaining skin is markedly hyperemic. There are multifocal hemorrhages throughout the lungs. One testes remains in the abdomen and one testes is exterior in the scrotal skin. The stomach and small intestine are distended with fluids containing white, flocculent material. The adrenal glands are dark red.

GROSS DIAGNOSIS:

Humane euthanasia, premature live birth.

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Necropsy Screen

[843]

ID : < 82061> Death Date: 12/12/92
 Necropsy Date: <12/12/92 > Sex: F

BAH Destination: NECROPSIED
 Age Class: INFANT

Necropsy#: <215PL92 >

Time: 1500 Prosector: SVG

Weights:

Body:	61
Liver:	3.26
Spleen:	0.1310
Lung:	1.2600
Brain:	6.4510
Heart:	0.2970
Left Kidney:	0.2720
Right Kidney:	0.3040
Left Adrenal:	0.2610
Right Adrenal:	0.2690
Thymus:	0.1260

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

Abdomen:

Spleen:	N
Liver:	N
Pancreas:	N

Urinary:

Adrenal:	A
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:	
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:	N
Thoracic:	N

Muscle:

Muscles:	N
Bones:	N
Joints:	N

Brain:

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

CLINICAL ABSTRACT:

This infant was found dead, caught in the cage floor of cage 1601-2 on morning observations of 12/12/92.

ABNORMALITIES:

A premature female infant owl monkey, Karyotype I is presented for necropsy. There is a small amount of hyperemia of the lip. The hair coat is not fully developed and is very sparse. There is no milk in the stomach, indicating a failure to nurse. The lungs are light pink and inflated. The placenta is very large, weighing 23.02 grams.

GROSS DIAGNOSIS:

Premature live birth.

Necropsy Screen

[844]

ID : < 82064 > Death Date: 12/15/92
 Necropsy Date: <12/16/92 > Sex: F

BAH Destination: NECROPSIED
 Age Class: INFANT

Necropsy#: <216PL92 >

Time: 930 Prosector: SVG

Weights:	
Body:	75
Liver:	4.40
Spleen:	0.0950
Lung:	2.1480
Brain:	7.0570
Heart:	0.4160
Left Kidney:	0.3160
Right Kidney:	0.3580
Left Adrenal:	0.2670
Right Adrenal:	0.2970
Thymus:	0.2820

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: (2)

[Alt-E for Reports Menu]

Gross Pathology Screen 1:

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

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:

The mother of this Karyotype I female infant arrived at the Medical Center Research Building in October of 1991. She has had no clinical incidents since her arrival here. Early in December animals from this animal's room (116) were moved out of the room to permit repainting of the room floors. There were a number of abortions and premature births during this time. This infant was born on 12/15/92 and was found on the cage floor. The body weight was 73 grams and temperature was less than 80 degrees. The infant was fed and given parenteral fluids. The juvenile who was also in the parent's cage was removed. The parents were anesthetized and the infant was placed on the dam. This and another attempt to reunite the dam with this infant were unsuccessful. On the afternoon of 12/15 the decision was made to euthanize this infant. This was done by anesthetizing the infant with ketamine and administering 1/2 cc of Sodium Pentobarbital intracardially.

CLINICAL DIAGNOSIS

The body weight and thin hair coat of this infant suggest that it was either premature or growth retarded. The premature delivery of this infant appears to be in some ways related to the movement required to paint the floors. Whether this is due to excitement and stress or to an organic factor, such as paint fumes, has not been established.

ABNORMALITIES:

A premature female owl monkey infant is presented for necropsy. The hair coat is very sparse, being most prominent over the tail and head. There are multiple small, white hard flecks across the surface of the parital pleura, the lungs, and the heart. This may be secondary to the administration of Sodium Pentobarbital. The intestinal tract is grossly dilated with gas and the serosa is streaked with hemorrhages.

NOTE

The small intestine was cultured for microbiology. There are no other remarkable lesions. *Proteus vulgaris* and *E. coli* were recovered.

GROSS DIAGNOSIS:

Humane euthanasia, premature live birth.

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Necropsy Screen

[845]

ID : < 82066> Death Date: 12/17/92
Necropsy Date: <12/17/92 > Sex: M

BAH Destination: ABORTION
Age Class: FETUS

Necropsy#: <217PL92 >

Time: 1520 Prosector: SVG

Weights:	
Body:	61
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:	A
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:

ABNORMALITIES:

A male owl monkey fetus is presented for necropsy. The hair coat is just beginning to emerge. There is no mature hair on any portion of the body. The thymus is very large and the heart is extremely pale. There are no other remarkable lesions noted.

GROSS DIAGNOSIS:

Abortion, stage 3.

Necropsy Screen

846]

ID : < 82065> Death Date: 12/18/92
Necropsy Date: <12/18/92 > Sex: M

BAH Destination: NECROPSIED
Age Class: INFANT

Necropsy#: <218PL92 >

Time: 1630 Prosector: AGB

Weights:	
Body:	56
Liver:	3.04
Spleen:	0.1020
Lung:	2.0400
Brain:	7.0700
Heart:	0.5600
Left Kidney:	0.1980
Right Kidney:	0.2130
Left Adrenal:	0.1980
Right Adrenal:	0.2050
Thymus:	0.0000

Measurements:	
Crown-Rump:	106.7
Crown-Heel:	0.00
Head Circ:	9.90
Bipar. Diam.:	25.53
Arm:	0.00
Femur:	28.80
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:	
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:	A

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

Lymph Node:	
Peripheral:	
Mesenteric:	
Thoracic:	

Muscle:	
Muscles:	
Bones:	
Joints:	

Brain:	
Meninges:	
Grey matter:	
Pituitary:	
Brain:	

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CLINICAL ABSTRACT:

This Karyotype II male infant was born on 12/16/92. The infant was obviously small at the time of birth. The mother had an uneventful pregnancy, however, on 12/09/92 a rack of animals from another room was moved into room 120 where this animal was housed, due to floor painting in progress. Also, animals in this room were bathed on 12/10/92 as part of a program to eradicate pinworms. The animals were also given Ivermectin injection under anesthesia. This animal appeared small at birth. He did well for the first day after delivery, however, on the morning of 12/18/92 the infant was found on the floor of the nesting box in the parent's cage. At that time the weight of the infant was less than 60 grams and the infant had a very low body temperature. Attempts were made to reunite the infant with the sire and dam after feeding, however, the infant was too weak to hold on. On the afternoon of 12/18/92 the decision was made to euthanize this infant. This was done by administering ketamine and xylozene to obtain an anesthetic plane and Sodium Pentobarbitol was administered intracardially.

CLINICAL DIAGNOSIS

Euthanasia by intracardial injection of Sodium Pentobarbitol. It is believed that this animal's weakness and its inability to hold on to its parents was either due to prematurity or intrauterine growth retardation.

ABNORMALITIES:

The lungs are bilaterally dark and mottled. There were no other abnormalities found.

GROSS DIAGNOSIS:

The body weight, lack of hair, and overall appearance of this infant suggest either prematurity or growth retardation. This is one of several premature births and abortions that occurred during the time in which floors were painted in this facility.

10/1

Necropsy Screen

[848]

ID : < 82069 > Death Date: 12/27/92 BAH Destination: NECROPSIED
 Necropsy Date: < 12/27/92 > Sex: F Age Class: INFANT

Necropsy#: < 219PL92 > Time: 1500 Prosector: SVG

Weights:	
Body:	80
Liver:	3.46
Spleen:	0.1400
Lung:	1.3300
Brain:	9.2300
Heart:	0.5600
Left Kidney:	0.2900
Right Kidney:	0.2800
Left Adrenal:	0.1100
Right Adrenal:	0.1000
Thymus:	0.2700

Measurements:	
Crown-Rump:	0.00
Crown-Heel:	0.00
Head Circ:	0.00
Bipar. Diam.:	29.28
Arm:	0.00
Femur:	30.53
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. 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:	
Epididymis:	
Prostrate:	
Penis:	

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

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

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:	A
Greymatter:	N
Pituitary:	N
Brain:	N

CLINICAL ABSTRACT:

ABNORMALITIES:

A low body weight, term, owl monkey infant is presented for necropsy. There was no milk in the stomach or intestinal tract. The thyroid glands are dark red. The surface of the brain is moderately hyperemic.

NOTE

Culture of the brain resulted in the recovery of *Staphylococcus aureus*.

GROSS DIAGNOSIS:

Death is most likely due to poor lactation or abandonment by the dam. Examination of the dam revealed she was not lactating.