

Black Hamsters

A

HAMSTER NO	A	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
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1982	15	14	14	14	14
51	19	18	19	20	22
167	13	12	D		
93	13	D			
100	16	D			
180	13	D			
57	14	D			
192	11	D			

13
15
19
19

$$\begin{array}{r} 151 \\ 19 \overline{) 306} \\ \underline{19} \\ 116 \\ 19 \overline{) 116} \\ \underline{19} \\ 194 \\ 19 \overline{) 194} \\ \underline{19} \\ 40 \end{array}$$

~~135~~
171

$$\begin{array}{r} 179 \\ 91 \overline{) 808} \\ \underline{819} \\ 89 \end{array}$$

$$\begin{array}{r} 153(6) \\ 134(7) \\ \hline 287 \end{array}$$

$\frac{161}{161} \times \frac{100}{100} = \frac{16100}{100}$

$$\begin{array}{r} 130 \\ 14 \overline{) 208} \\ \underline{14} \\ 68 \\ \underline{56} \\ 12 \end{array}$$
$$\begin{array}{r} 18 \\ 9 \overline{) 162} \\ \underline{18} \\ 0 \end{array}$$
$$\begin{array}{r} 1007 \\ 479 \overline{) 1007} \\ \underline{479} \\ 528 \\ \underline{479} \\ 49 \\ \underline{47} \\ 20 \\ \underline{16} \\ 4 \end{array}$$
$$\begin{array}{r} 100 \\ 100 \overline{) 10000} \\ \underline{10000} \\ 0 \end{array}$$

$$\begin{array}{r} 151 \\ 15 \overline{) 2250} \\ \underline{225} \\ 0 \end{array}$$

$$\begin{array}{r} 200 \\ 81 \overline{) 16200} \\ \underline{162} \\ 0 \end{array}$$
$$\begin{array}{r} 12 \overline{) 144} \\ \underline{120} \\ 24 \\ \underline{24} \\ 0 \end{array}$$

Average Weight

% P, CNS, D

DATE	TIME	WIND	WAVE	SEA	WAVE	SEA	% DEAD
11/11/19	14:00	10	10	10	10	10	10
11/11/19	15:00	10	10	10	10	10	10
11/11/19	16:00	10	10	10	10	10	10
11/11/19	17:00	10	10	10	10	10	10
11/11/19	18:00	10	10	10	10	10	10
11/11/19	19:00	10	10	10	10	10	10
11/11/19	20:00	10	10	10	10	10	10
11/11/19	21:00	10	10	10	10	10	10
11/11/19	22:00	10	10	10	10	10	10
11/11/19	23:00	10	10	10	10	10	10
11/11/19	00:00	10	10	10	10	10	10
11/11/19	01:00	10	10	10	10	10	10
11/11/19	02:00	10	10	10	10	10	10
11/11/19	03:00	10	10	10	10	10	10
11/11/19	04:00	10	10	10	10	10	10
11/11/19	05:00	10	10	10	10	10	10
11/11/19	06:00	10	10	10	10	10	10
11/11/19	07:00	10	10	10	10	10	10
11/11/19	08:00	10	10	10	10	10	10
11/11/19	09:00	10	10	10	10	10	10
11/11/19	10:00	10	10	10	10	10	10
11/11/19	11:00	10	10	10	10	10	10
11/11/19	12:00	10	10	10	10	10	10
11/11/19	13:00	10	10	10	10	10	10
11/11/19	14:00	10	10	10	10	10	10
11/11/19	15:00	10	10	10	10	10	10
11/11/19	16:00	10	10	10	10	10	10
11/11/19	17:00	10	10	10	10	10	10
11/11/19	18:00	10	10	10	10	10	10
11/11/19	19:00	10	10	10	10	10	10
11/11/19	20:00	10	10	10	10	10	10
11/11/19	21:00	10	10	10	10	10	10
11/11/19	22:00	10	10	10	10	10	10
11/11/19	23:00	10	10	10	10	10	10
11/11/19	00:00	10	10	10	10	10	10
11/11/19	01:00	10	10	10	10	10	10
11/11/19	02:00	10	10	10	10	10	10
11/11/19	03:00	10	10	10	10	10	10
11/11/19	04:00	10	10	10	10	10	10
11/11/19	05:00	10	10	10	10	10	10
11/11/19	06:00	10	10	10	10	10	10
11/11/19	07:00	10	10	10	10	10	10
11/11/19	08:00	10	10	10	10	10	10
11/11/19	09:00	10	10	10	10	10	10
11/11/19	10:00	10	10	10	10	10	10
11/11/19	11:00	10	10	10	10	10	10
11/11/19	12:00	10	10	10	10	10	10
11/11/19	13:00	10	10	10	10	10	10
11/11/19	14:00	10	10	10	10	10	10
11/11/19	15:00	10	10	10	10	10	10
11/11/19</							

FORMISTERS
OF
CORTISONE

HAMSTER NO 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27

$$\begin{array}{r} 96.0 \\ 93 \\ \hline 189 \end{array}$$

$$\begin{array}{r} 9.9 \\ 19 \overline{) 189.0} \\ \underline{171} \\ 180 \\ \underline{171} \\ 90 \end{array}$$

Average Weight

% P, CNS, D

% DEAD

Method for Scoring Severity of Paralysis in Surviving Hamsters

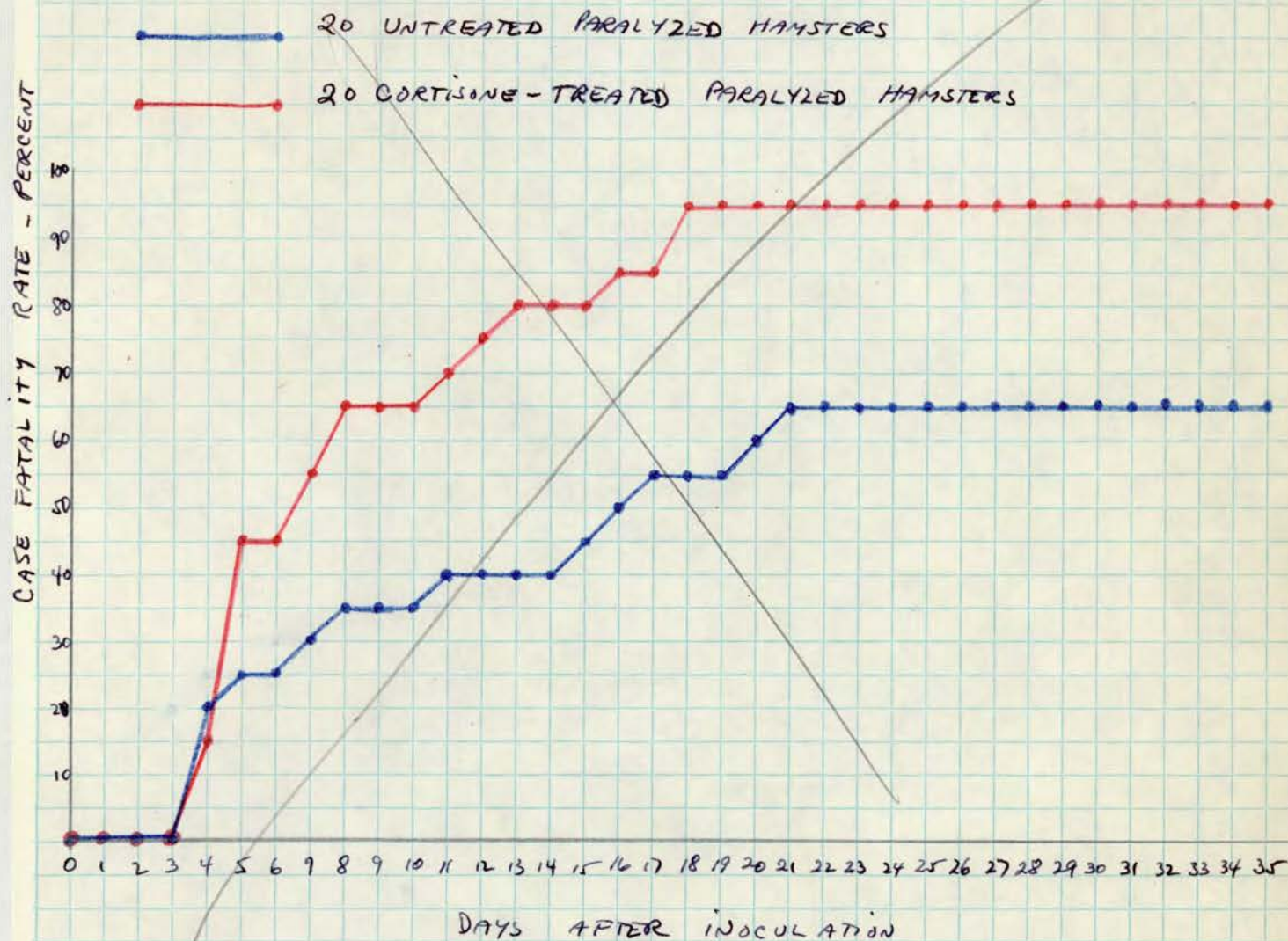
To be applied at end of experiment

<u>Part affected</u>	<u>Slight or transient</u>	<u>Partial</u>	<u>Very severe or complete</u>
Right fore	0.5	1	2
Left fore			2
Right rear			2
Left rear			2
Cranial and/or back			2
			10

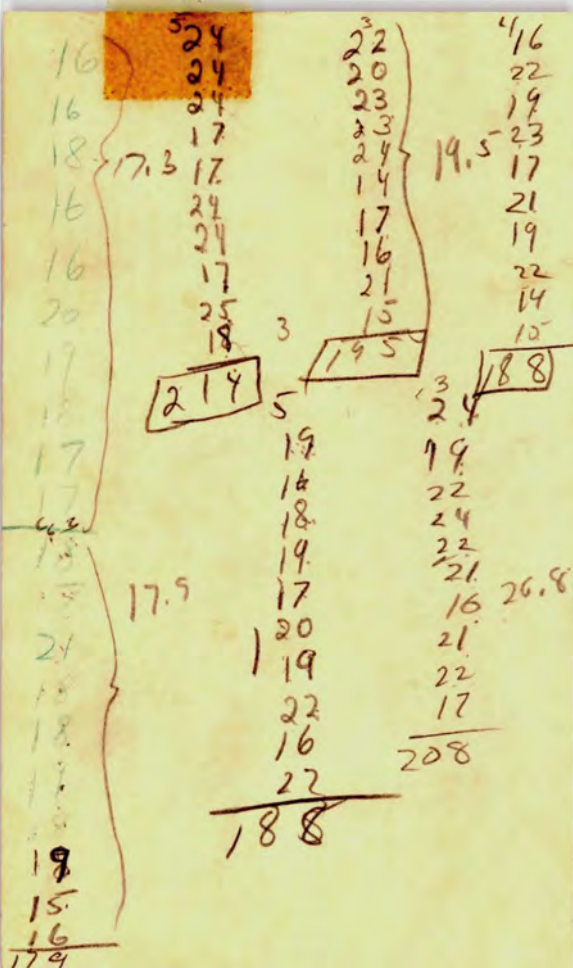
Maximum Score is 10

Minimum Score is 0.5

COMPARISON OF CASE FATALITY RATES BETWEEN UNTREATED
HAMSTERS AND THOSE INOCULATED WITH 5 MG CORTISONE AT
ONSET OF PARALYSIS



Should be days after onset of paralysis



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SOCIETY OF AMERICAN BACTERIOLOGISTS

The Netherland Plaza

Cincinnati, Ohio

May 16-20 1949

Forty ninth General Meeting

Institution _____

Hotel _____ Room No. _____

Date of Registration _____

JUL 10 1952

THE EFFECT OF CORTISONE ON HANSLING VIRUS INFECTION IN HAMSTERS WHEN ADMINISTERED (A) AT TIME OF ONSET OF SIGNS AND (B) ON THE TENTH DAY AFTER INOCULATION TO HAMSTERS SHOWING NO SIGNS OF INFECTION.

PURPOSE:

Prior experiments have shown that Cortisone when given on the day of inoculation of virus greatly enhances hanting poliomyelitis in hamsters, increasing both morbidity and mortality. However, it is not known whether Cortisone is capable of converting the mild type of poliomyelitis seen in untreated hamsters into the invariably fatal type of disease once the disease process has started, or whether it is necessary to administer the cortisone before infection sets in.

It has also been shown that untreated hamsters inoculated with hanting virus 1:100 the greatest & majority of animals show signs by the tenth day after inoculation, the morbidity being about 50%. It is not known what effect cortisone would have on the remainder of the animals if administered at a time when no more animals are expected to show signs of disease. In other words, will cortisone produce its effect in animals which ordinarily would not be expected to develop poliomyelitis?

The purpose of this experiment is therefore twofold - (a) Does Cortisone produce its enhancing effect when administered to hamsters after infection has set in? (b) Will Cortisone have an effect on animals inoculated with virus, but which ordinarily would not be expected to show signs of infection?

PROCEDURE:

102
100 hamsters weighing 14-20 grams were inoculated with hanting virus 1:100. During the first ten days after inoculation every other hamster which showed signs of infection received 5 mg of Cortisone intramuscularly. On the tenth day after inoculation half of the remaining uninfected hamsters were given 5 mg of Cortisone.

VIRUS:

Hanting virus Pool VII of 11/11/52. 10% suspension in saline. centrifuged 2000 rpm x 10 min to remove flocculent ppt.

0.05 ml of 1:100? *see*

HAMSTERS:

14-20 gram laboratory ♂ hamsters.

1 transfer substrate and dead on 7/12/52 - found on checking - no treatment.
5 " dead on 7/13/52 - no signs - all eaten.
1 " dead on 7/14/52 - no signs - eaten.
1 " dead on 7/20/52 - no signs.

Effect of Giving Cortisone Shortly After Onset of Paralysis

Control Group

<u>Hamster No.</u>	<u>Involvement at onset</u>	<u>Subsequent^{Max} Involvement</u>	<u>Death days after onset</u>
1 (724)	2 LF	LF, RF	2
2 (726)	2 RF	RF, LF, RR	S - Residual RF+RR
3 (728)	2 LF	LF, RF	2
4 (730)	4 RF, LF		1
5 (732)	4 RF, LF	RF, LF, RR, LR	18
6 (734)	2 RF	RF, LF	S - Residual RF+LF
7 (736)	2 RF	RF, LF	17
8 (738)	2 LF	RF, LF	14
9 (740)	2 LF	RF, LF, RR, LR	12
10 (742)	4 LF, RF	—	2
11 (744)	4 RR, LR	RF, LF, RR, LR	13
12 (746)	2 Salivation	—	1
13 (748)	2 RF	RF, LF	4
14 (750)	2 RF	RF, LF	S - resid. RF+LF
15 (752)	2 RF	RF, LF	S - " " "
16 (754)	2 LF	no extension	6
17 (758)	2 RR	RR transitory; then RR	S - resid. RR
18 (760)	2 CNS	—	<1
19 (762)	2 RF	Transitory - lasted 13 days	S - no residual
20 (763)	2 LR	LR, RR - lasted only 10 "	S - no residual

$$\frac{50}{20} = 2.5$$
Cortisone Group

<u>Hamster No.</u>	<u>Involvement at onset</u>	<u>Subsequent^{Max} Involvement</u>	<u>Death days after onset</u>
1 (723)	2 LF	—	2
2 (725)	2 LF	LF, RF	3
3 (727)	2 LR	LR, RR, RF	2
4 (729)	4 LF, RF	—	2
5 (731)	2 LF	LF transitory; then LR	15
6 (733)	2 RF	RF, LF	5
7 (735)	4 LF, RF	—	2
8 (737)	2 LF	LF, RF	2
9 (739)	2 LF	—	4
10 (741)	2 RF	RF, LF, CNS	2
11 (743)	2 RF	Prostrate	4
12 (745)	4 RF, LF	—	2
13 (747)	2 LF	Prostrate	8
14 (749)	2 RF	RF, LF	4
15 (751)	2 Salivation	Prostrate	1
16 (753)	4 RR, LR	—	11
17 (755)	2 RF	RF, LF	6
18 (757)	2 RF	RF, LF	Survived - residual RF+LF
19 (759)	2 RF	RF, LF	12
20 (761)	2 CNS	—	5

$$\frac{48}{20} = 2.4$$

Group	Hamster No. in order of selection	Involvement at onset	Maximum involvement	Death days after onset	Residual paralysis in survivors
Untreated controls	1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				
	19				
	20				
Cortisone 5mg. once	1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				
	19				
	20				

JUL 10 1952



LANSING VIRUS - 1:100 ONLY - 0.05 ml INTRACEREBALLY.
(THESE HAMSTERS REPRESENT 50% OF THE TOTAL NUMBER SHOWING SIGNS OF LANSING INFECTION DURING THE FIRST TEN DAYS AFTER INOCULATION)

HAMSTER NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
1	724	-	P	P	P	D																											
✓ 2	726	-	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
3	728	-	P	P	P	D																											
4	730	-	P	P	D																												
5	732	-	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
✓ 6	734	-	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
7	736	-	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
8	738	-	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
9	740	-	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
10	742	-	P	P	P	D																											
11	744	-	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
12	746	-	S	A	L	D																											
13	748	-	P	P	P	P	D																										
✓ 14	750	-	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
✓ 15	752	-	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
16	754	-	P	P	P	P	D																										
17	563756	-	S	A	L	S	A	L	?																								
NOTES																																	
✓ 18	35758	-	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
19	760	-	C	A	S	E	D																										
✓ 20	762	-	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
Lost tag 563	763	-	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
CASE FATALITY	0	0	0	0	2	5	2	5	3	0	3	5	3	5	3	4	0	4	0	4	5	5	5	5	5	5	5	5	5	5	5	5	5
RATE %																																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28					

All 7 present on 8/21/52

818, 781 and 784
transferred to this box
on 8/21/52

B LANSING VIRUS - 1:100 - 0.05 ML INTRACEREBALLY CORTISONE - 5 MG - INTRAMUSCULARLY.

(THESE HAMSTERS REPRESENT THE REMAINING 50% SHOWING SIGNS DURING THE FIRST TEN DAYS. EACH ANIMAL RECEIVED CORTISONE ON DAY OF PARALYSIS)

HAMSTER NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1 723	-	P	P	D																								
2 725	-	P	P	P	P	P	D																					
3 727	-	P	P	P	D																							
4 729	-	P	P	P	P	D																						
5 731	-	-	P	P	P	W	W	W	-	-	P	P	W	W	W	P	W	P	W	P	W	P	W	P	W	P	W	D
6 733	-	-	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	D
7 735	-	-	P	P	P	P	D																					
8 737	-	-	P	P	P	P	P	D																				
9 739	-	-	P	P	P	P	D																					
10 741	-	-	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	D
11 743	-	-	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	D
12 745	-	-	P	P	P	P	D																					
13 747	-	-	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	D
14 749	-	-	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	D
15 751	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	D
16 753	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	D
17 755	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	D
18 ✓ 757	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	D
19 759	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	D
20 761	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	D

795, 799 + 800 from group D transferred to this box on 8/21/52

795 + 799 - dead 8/30/52

EASE FATALITY RATE 90

0 0 0 15 45 45 55 65 65 65 70 75 80 80 80 85 85 95

Present 8/21/52

Not with Yates correction

7-10-52

C. LANSING VIRUS ONLY - 1:100 - 0.05 ML. INTRACEREBRALLY

THESE HAMSTERS REPRESENT HALF OF THE ANIMALS WHICH SHOWED
NO SIGNS OF LANSING INFECTION UP TO AND INCLUDING THE
TENTH DAY AFTER INOCULATION OF THE VIRUS, 12, 7/20/52

HAMSTER NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

1343756

2 ~~405~~
7643 ~~388~~
765

4 766

5 ~~380~~
767NEW
TAG6 ~~819~~ 7687 101
769

8 770

NOT
PAINTED9 ~~842~~ 771820 ~~10~~ 772

11 773

12 ~~819~~ 774

13 775

NEW
TAG14 ~~818~~ 776

P P W W W W

818 tag present 8/21/52 - transferred to box A

9-8-52 — 820 dead

C₂

LANSING VIRUS ONLY - 1:100 - 0.05 ML. INTRACEREBRALLY

THESE HAMSTERS ALSO REPRESENT HALF OF THE ANIMALS WHICH SHOWED NO SIGNS OF LANSING INFECTION UP TO AND INCLUDING THE TENTH DAY AFTER INOCULATION OF THE VIRUS - AND ALSO BELONG TO THE SAME GROUP AS C₁.

HAMSTER NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
15 777	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16 778	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓
17 779	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓
18 780	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19 781	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓
20 782	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21 783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22 784	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23 785	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓
24 786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓
25 787	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓
26 788	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓
27 789	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓

8/21/52 - 781 - no paw
784 - on now } transferred to box A

* This animal when first examined appeared to be perfectly normal. Several minutes later was found to have difficulty in breathing although diaphragm seemed normal - Cheyne-Stokes respiration. Difficulty in moving although no paralysis was evident. Died less than an hour later. Brain on autopsy was greatly engorged. No hemorrhage evident. Cerebrum, cerebellum, spinal cord - brain stem removed to test for Lansing and for bacterial contamination.
BAP 000

7-10-52

D.

LANSING VIRUS - 1:100 - 0.05 ML. INTRACEREBRALLY
CORTISONE - 5 MG - I. M.

THESE ANIMALS REPRESENT THE REMAINING HALF OF THOSE WHICH SHOWED NO SIGNS OF LANSING INFECTION UP TO AND INCLUDING THE TENTH DAY AFTER INOCULATION OF THE VIRUS. CORTISONE WAS ADMINISTERED ON THE TENTH DAY AFTER VIRUS INOCULATION - 7/20/52

HAMSTER NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1	790	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	791	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	792	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	178 793	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	794	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	795	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	193 796	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	797	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	798	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	799	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	801	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	802	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	803	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

↑
CORTISONE

8/20

795 - still par left front & left rear
 799 - still par right front
 800 - still left front
 } transferred to box B

Note: 795⁺ 799/ found dead 8/30/52

D₂ LAUSING VIRUS - 1:100 - 0.05 ML INTRACEREBRALLY
CORTISONE - 5 MG - I. M.

THESE ANIMALS ARE PART OF THE SAME GROUP AS D₁. THEY ALSO REPRESENT HALF OF THE REMAINING ANIMALS WHICH SHOWED NO SIGNS OF LAUSING INFECTION UP TO AND INCLUDING THE TENTH DAY AFTER INOCULATION AND ALSO RECEIVED 5MG OF CORTISONE ON 7/20/52.

HAMSTER NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
15 804	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16 805	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17 806	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18 807	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19 808	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 809	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21 810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22 811	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23 812	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24 813	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25 814	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26 815	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27 816	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

← CORTISONE

All present and OK on 8/1

* Cerebr. cerebellum and spinal cord brain stem removed and passed into mice to test for presence of lausung virus. BAP 000

JUL 28 1952

Specimen No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 Mortality

B

Spinal Cord

Brain Stem

of Hamster

780

10^{-1}

10^{-2}

10^{-3}

830
9-2 7 9-12
PP sacrificed 9-12-52

mining 8/13/52

D D - - - - -

* Debris

STANDARD B & P "NE"

STANDARD B & P "NOTES"

AUGUST 1, 1952

13

MORTALITY

SPECIMEN	VIRUS NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
A	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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CORTX - CEREBELLUM OF HAMSTER # 806	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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CORTEX -
CEREBELLUM
OF HAMSTER
806

MORTALITY

SPECIMEN	VIRUS NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
B	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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		SPINAL CORD BRAIN STEM OF HAMSTER # 806																																		

SPINAL CORD
BRAIN STEM
OF HAMSTER
806