

Serial Intraspinal Passage of Mahoney Virus in Cynomolgus Monkeys

Purpose: Positive spinal passage was previously obtained with spinal cord of a "Mahoney" monkey but with spinal cords from "Y5K" and "Leon" paralyzed monkeys. Since titer of virus was lower in "Y5K" + "Leon" monkeys than in the "Mahoney" monkey - it appeared desirable to repeat the test with the spinal cord of another "Mahoney" monkey which had a lower titer of virus.

Material Used: lumbar cord (10% susp.) of Cyn 6238 which developed extensive paralysis of entire left lower 3 days after intraspinal inoculation of Mah KP33, $10^{2.1}$ or $10^{4.2}$ TC₅₀. Titration in kidney culture revealed $10^{3.5}$ TC₅₀/g.m.

Inoculum - 0.1 ml of 10% susp. or $10^{1.5}$ TC₅₀ into lumbar enlargement

Monkeys Used: Cynomolgus of shipment of 5-7-54

Cynomolgus
No.

6542 K28

6543 K28

6544 K28

6545 K28

Observe & record for 28 days
then autopsy

If one dies before 28 days - spinal
autopsy

Cyn6542

MAY 22 1954

Date	Day	Remarks
MAY 23 1954	1	✓
24	2	✓
25	3	✓
26	4	✓
27	5	✓
28	6	✓
29	7	✓
30	8	✓
31	9	✓
6-1-54	10	✓
2	11	✓
3	12	✓
4	13	✓
5	14	✓
6	15	✓
7	16	✓
8	17	✓
9	18	✓
10	19	✓
11	20	✓
12	21	✓
13	22	✓
14	23	✓
15	24	✓
16	25	✓
17	26	✓
18	27	✓
JUN 19 1954	28	✓ Killed, ens in Kelly's

Cyn 6543

MAY 22 1954

Date	Day	Remarks
MAY 23 1954	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	✓
JUN 19 1954	28	✓ Killed, one in belly's

Cyn 6544

MAY 22 1954

Date	Day	Remarks
MAY 23 1954	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	✓
JUN 19 1954	28	✓ Killed, cus in belly

