

FEDOL

NOV 8 1948

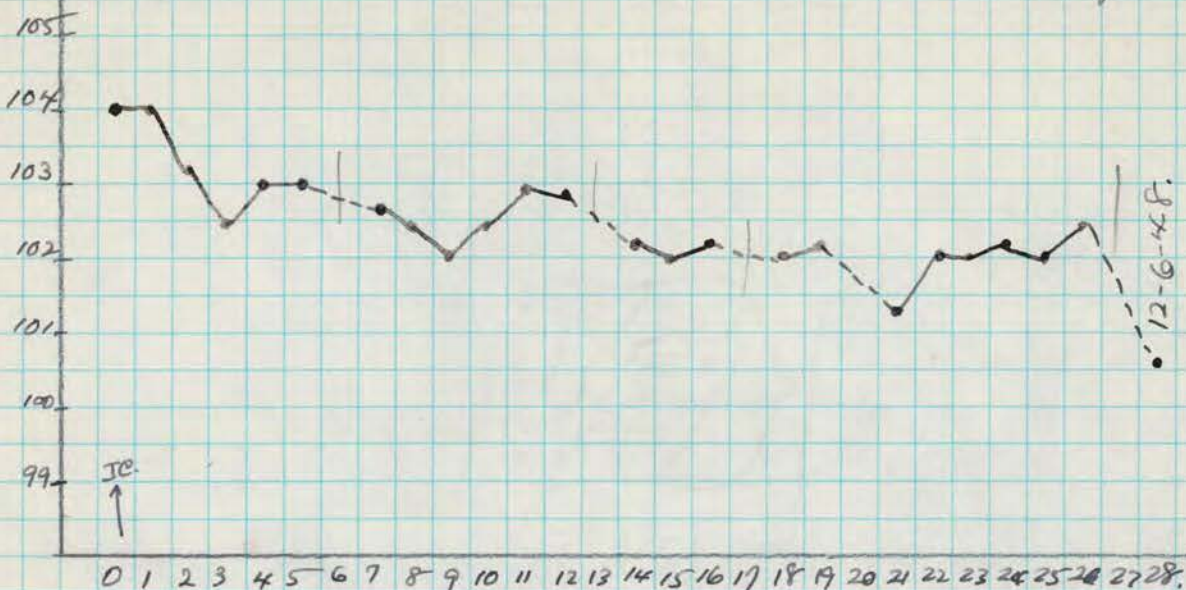
Heterologous Challenge of Polio Convalescent Monkeys

Rh. 654

convalescent

challenged with

polio virus.



NOV 8 1948 - Inoc. IC with 0.5 cc of 1:200 [redacted] (Cont II) virus (100 PD₅₀) using Rh. 884X as control (Record of Rh. 884X is with that of Rh. 699 - Hopkins convalescent!)

CONDITION AT CHALLENGE: Partial paralysis of all 4 extremities - moderately severe in all and with considerable atrophy. - Though more advanced in the upper than lower. - Monkey can climb. can sit up and hold head up, although tends to be sluggish unless stimulated. T=104.0!

11-24-48 No change in condition but monkey is very thin and scrawny and has a flushed face

11-28-48 Face flushed again. - Monkey thin but active and alert; no changes in motor status. 12-6-48 Progressively thinner; face red; no change in motor status.

DEC 6 1948

Challenge with MV virus.

Having been unaffected 28 days after challenge with Hefferkump virus this monkey was today inoc. IC with 1.0 cc of 1:50 MV virus.

DAY	TEMP
0	100.6
1	104.0
2	102.8
3	103.5
4	103.5
5	103.5
6	103.6

O.K.
Face red.
Face red;

" " ? Left upper more par. than previously; difficulty holding head up.

HISTOLOGY: Spinal cord levels show acute early stage neuronophagia, with a few such areas in the medulla. - On addition - there are some areas of root degeneration and areas of obvious neuronal loss; PV cuffing.

DIAGNOSIS: POLIO acute superimposed upon "old"

12/13/48 Face red; will not climb; cannot hold head up; will not use upper now at all with definite extension of paralysis. - Sacrificed - no gross Tbc. - TISSUES: numerous segments of spinal cord and medulla (2-A).

NOV 8 1948 Heterologous Challenge of Polio Convalescent Monkeys -



NOV 8 1948 - Rec. I.C. with 0.5 cc of 1:200 [redacted] polio virus (100 P₅₀), using Ph. 884X as control. (Ph. 884X record is with that of Ph. 699, Hopkins convalescent.)

CONDITION AT CHALLENGE: There is partial par. of all 4 ltr. - almost being complete in left lower; rt. lower's partial paralysis is more advanced than that of both uppers; extensive atrophy of lowers; mod. atrophy of uppers. The monkey is capable of climbing but prefers not to, and is readily exhausted.

12-6-48. Very feeble generally. T = < 94°F; is alert. Cannot 8:30 am. be made to climb; moves head and neck as before and both uppers as before; no diarrhea noted.

11:00 A.M. Just lies prostrate but when stimulated he makes feeble movements with uppers and with tail. -- There is no demonstrable new paralysis, but general condition is so poor that sacrifice and sections of lumbar and cervical cord enlargements will be made in search of new lesions; do not anticipate their demonstration.

Sacrificed - chloroform - exsanguination. - Autopsy: no gross lbc.

Tissues: 4 Medulla; 7 cervical; 6 lumbar. (I-A).

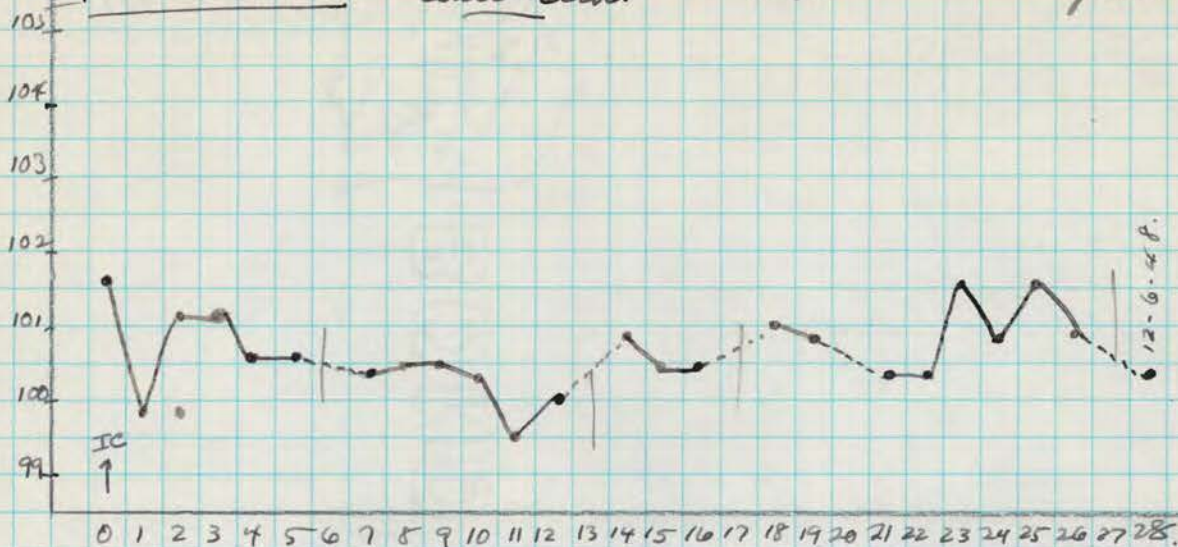
HISTOLOGY: No acute neuronal changes. - Considerable neuronal loss; glial infiltration, mild PV cuffing; root degeneration.

DIAGNOSIS: POLO ("old")

NOV 8 1948

Heterologous Challenge of Polio Convalescent Monkey -

Rh. 685 - [redacted] convalescent challenged with [redacted] polio virus.



NOV 8 1948 - (rec. IC with 0.5 cc of 1:200 Hefenkamp virus (100 PD₅₀), using Rh. 884X as control, (Rh. 884X record is with that of Rh 699 - Hopkins convalescent.)

CONDITION AT CHALLENGE: Moves head and neck well. There is complete par. of both lowers with extensive atrophy; - monkey cannot sit up. - Right upper is almost completely paralyzed except for feeble wrist movement - There is partial paralysis of left upper - with considerable atrophy both uppers.

11-24-48 - Right upper improving gradually, now has some shoulder motion, and rt. wrist is stronger.

DEC 6 1948 Challenge with MV virus.

Having been unaffected by challenge with [redacted] virus (above), this monkey was today in. IC with 1.0 cc of 1:50 MV virus.

DAY	TEMP	Notes
0	100 ⁴	
1	101 ⁵	
2	100 ⁸	
3	101 ⁸	
4	101 ⁴	
5	100 ²	
6	101 ⁰	
7	103 ²	Tremors of head and uppers. Extremely excited.
8	102 ²	Tremors continue; very excited; holds head up - but back muscles now paralyzed - monkey no longer makes the vermicular movements with back muscles when placed on floor.
9	102 ⁰	Same
10	101 ⁵	The tremors and excitement have now disappeared. Back quite paralyzed as noted 2 days ago.
11	102 ²	No Change
12		" "
13	101 ⁰	No progression.
14	101 ⁵	" "
15	101 ⁶	" "
16	101 ⁴	NO Change - 12/22/48. Observation terminated. Monkey Discarded. (Looks as if he would probably survive.)