

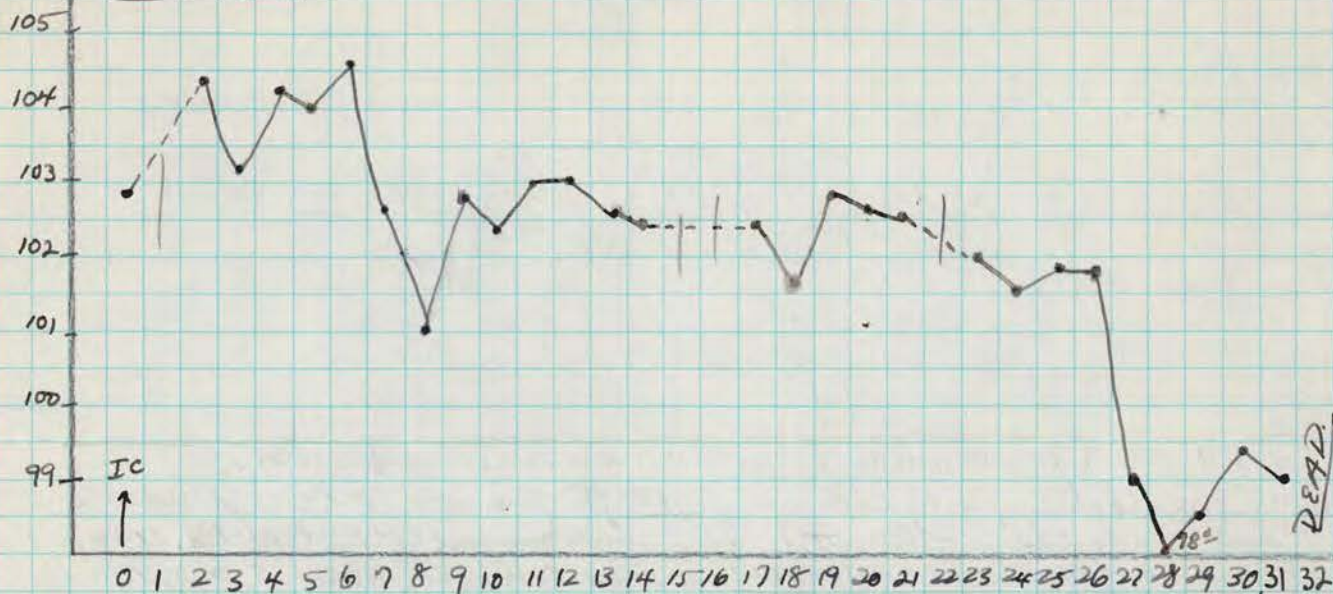
HONOL.

AUG 21 1948

Challenge Re-inoculation with Homologous Virus (Polio)

Convalescent Monkey.

Rh. 389.



AUG 21 1948 - Challenged by i.c. into Right frontal lobe of 1.0 cc of poliovirus (20% - Gen. II). The simultaneous control monkey is Rh. 794. Date of original inoculation was 4/30/48.

CLINICAL CONDITION AT TIME OF CHALLENGE: complete paralysis of left lower; partial paralysis of right lower; animal gets around outdoors very well. - Marked atrophy of lower; no atrophy of back.

8-27-48. - Today this monkey climbs well as at time of challenge but his left shoulder is awkward on reaching out laterally to grasp objects.

8-29-48. Clinical condition same, except there is edema around the right orbit and mild scrotal edema.

8-30-48. Numerous scratches around eyes and scalp caused by fighting - to which I believe the edema can be ascribed. No scrotal edema. - The left shoulder is still very awkward, altho monkey climbs in a straight path up and down. - 8-31-48 No change except there is less edema. 9-1-48 to 9-3-48. Scalp much better; no change in motor status.

9-18-48. The motor status has not changed; however monkey is getting thin; is pale; has mild edema and is running a low temperature.

9-19-48. T 98.5. - No change. 9-21-48. Still very thin; pale; passive; no change in motor status. 9-22-48 (32nd day) - DEAD. - Autopsy: Emaciated; no gross TBC. -

TISSUES FOR HISTOLOGY: 5 lumbar; 2 thoracic; 5 cervical; 2 medulla; midbrain; thalamus. (Z-A.)

HISTOLOGY: Spinal cord levels show considerable neuronal outfall; glial infiltration of ant. horns - (diffuse and tight nodules); marked root degeneration; moderate PV cuffing - most marked in lumbar cord. - No acute changes. Medulla shows very mild PV cuffing, and scattered gliosis in reticular formation - most neuronal nuclei appear normal however. - Midbrain and thalamus show very very little PV cuffing, and do show scattered glial cell interstitial infiltration.

DIAGNOSIS: POLIO (old)

AUG 21 1948

Challenge Re-inoculation with Homologous Virus (Polio)
Convalescent Monkey.

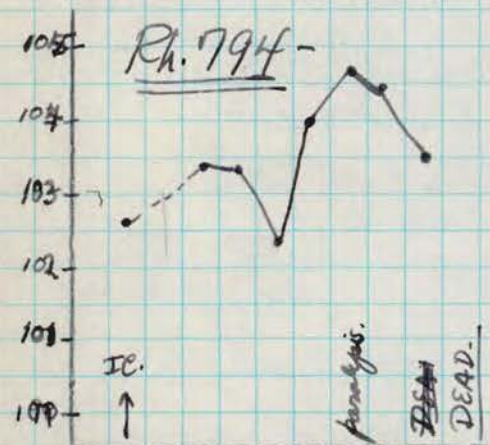


AUG 21 1948 - Challenged by ino. with Right frontal robe of 1.0 cc of polio virus (20% - Gen. II); The simultaneous control is Rh. 794 (infra)
CLINICAL CONDITION AT CHALLENGE: seems entirely normal now; no distinguishable atrophy.

10-2-48 - Heterologous challenge with virus. (see record).

AUG 21 1948

Control Monkey. used For (Rh. 388) (Rh. 389) (above)



HISTOLOGY: The spinal cord and one level of medulla are almost completely disintegrated and unsuitable for examination; The other level of medulla shows acute neuronophagia; and very considerable PV cuffing.

DIAGNOSIS: POLIO (acute)

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 29 30.
8-21-48 - Ino. I.C. with 1.0 cc of WATER virus as above (Rt. frontal). - N.B. This monkey has a well-healed amputation of left foot.
8-27-48 - Part. par. rt. upper; weakness of left thigh; rt. lower + rt. upper; coarse tremors.
8-28-48 - Comp. par. both uppers and right lower; part. par. left lower; voice weak.
8-30-48 - DEAD: Autopsy: no gross TBC. - Spinal cord very soft. -
N.B. cord has consistency of toothpaste. - Medulla - cord - which were very soft. (Z-A).

SEP 10 1948

Challenge Re-Inoculation with [redacted] Virus (Polio)

Convalescent Monkey

Ph. 536



SEP 10 1948 - Challenged by IC (rt. frontal) inoculation of 20% [redacted] strain of polio virus (Sen. III); The simultaneous control monkey is Ph. 825 g.v. Date of original inoculation was 6-4-48.

CLINICAL CONDITION AT TIME OF CHALLENGE: Almost complete paralysis of both lowers (can elevate and depress both feet feebly). Climbs well but has mild incoordination when reaching out with right upper. - There is marked atrophy of both lowers. -

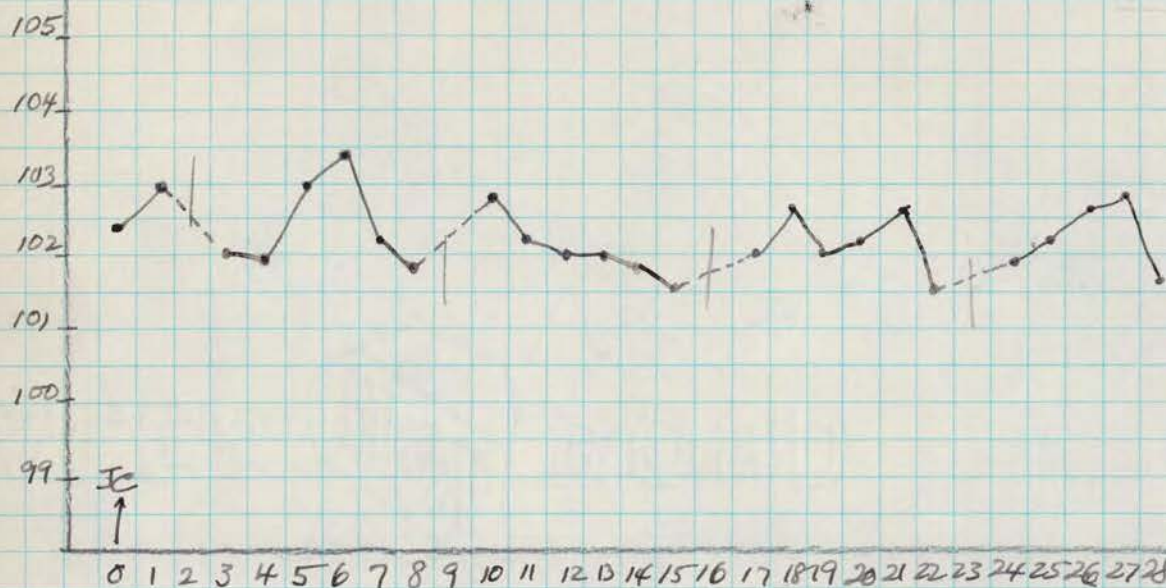
9-20-48 No detectable incoordination with rt. upper; Muscles unchanged. -

10-21-48 - Heterologous challenge with [redacted] polio virus, together with Ph. 1011 and Ph. 1012 as controls. (see record).

SEP 10 1948 - Challenge. B-Inoculation with Homologous Virus (Bleis)

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Rh. 537.

Convalescent Monkey.



SEP 10 1948 - Challenged by IC (rt. frontal) of 1.0 cc of 2070 strain polio virus (Gm. III); The simultaneous control is Rh. 825 (g.v.).
Date of original inoculation was 6-4-48.

CLINICAL CONDITION AT TIME OF CHALLENGE: Partial paralysis of the left lower with moderate atrophy; - no gross atrophy of ret. lower; both uppers O.K. -

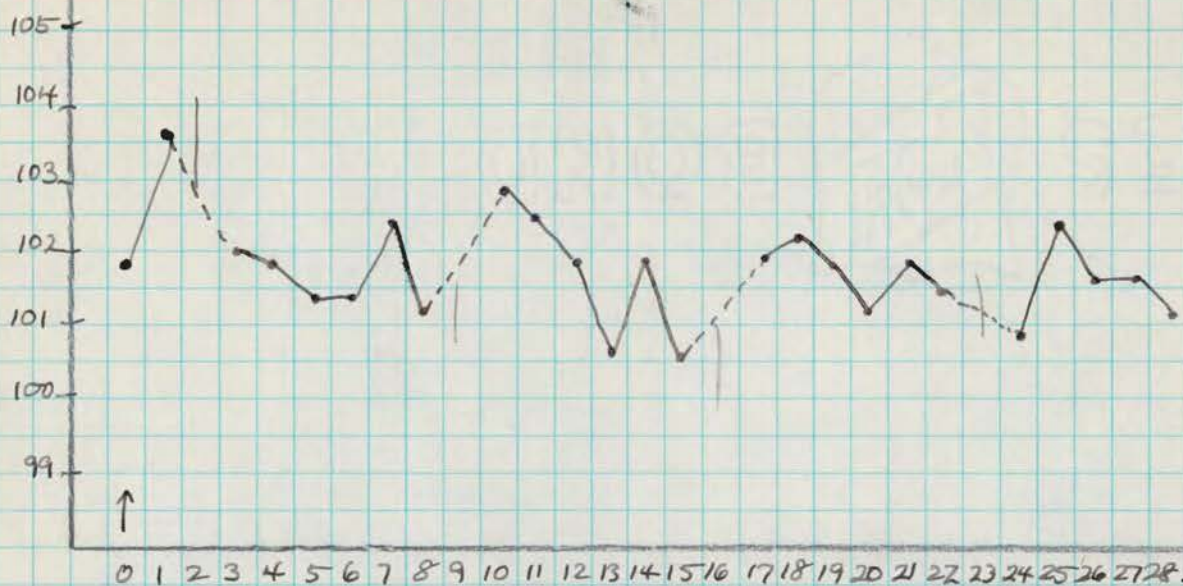
10-21-48 Heterologous challenge with polio virus, (with Rh. 1011 and Rh. 1012 as controls) see record.

SEP 10 1948

Challenge Re-Inoculation with Homologous Virus (Polio)

- Convalescent Monkey.

Rh. 545



SEP 10 1948¹⁸ - Challenged by IC (st. front.) inoculation of 1.0 cc of 20% [redacted] strain of polio virus (Gen. III); The simultaneous control is Rh. 825 (g.v.)
Date of original inoculation was 6-4-48.

CLINICAL CONDITION AT TIME OF CHALLENGE: complete paralysis of right upper except for feeble wrist flexion; complete paralysis of left lower; st. lower - almost complete paralysis with feeble foot motion preserved. Moderately severe atrophy of right upper and both lowers.

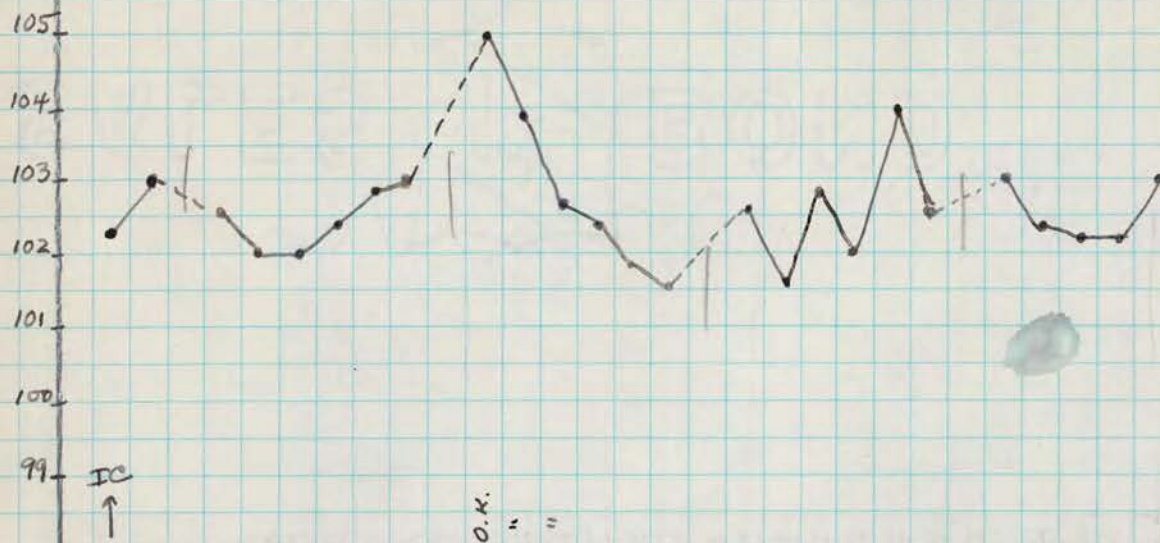
10-21-48. Heterologous challenge with [redacted] polio virus, with Rh. 1011 and Rh. 1012 as controls. (see record).

SEP 10 1948

Challenge Re-Inoculation with Homologous Virus (Polio)

- Convalescent Monkey

Rh. 546 -



SEP 10 1948 - Challenged by IC (rt. frontal) inoculation of 1.0 cc of 20% Walter's strain poliovirus (Gen. III); simultaneous control is Ph. 825 (g.v.). - Date of original inoculation was 6-4-48.

CLINICAL CONDITION AT TIME OF CHALLENGE: no distinguishable weakness or paralysis; there is very mild detectable atrophy of both havers.

10-21-48 - Heterologous challenge with [redacted] polio virus, with Ph. 1011 and Ph. 1012 as controls. (see record).

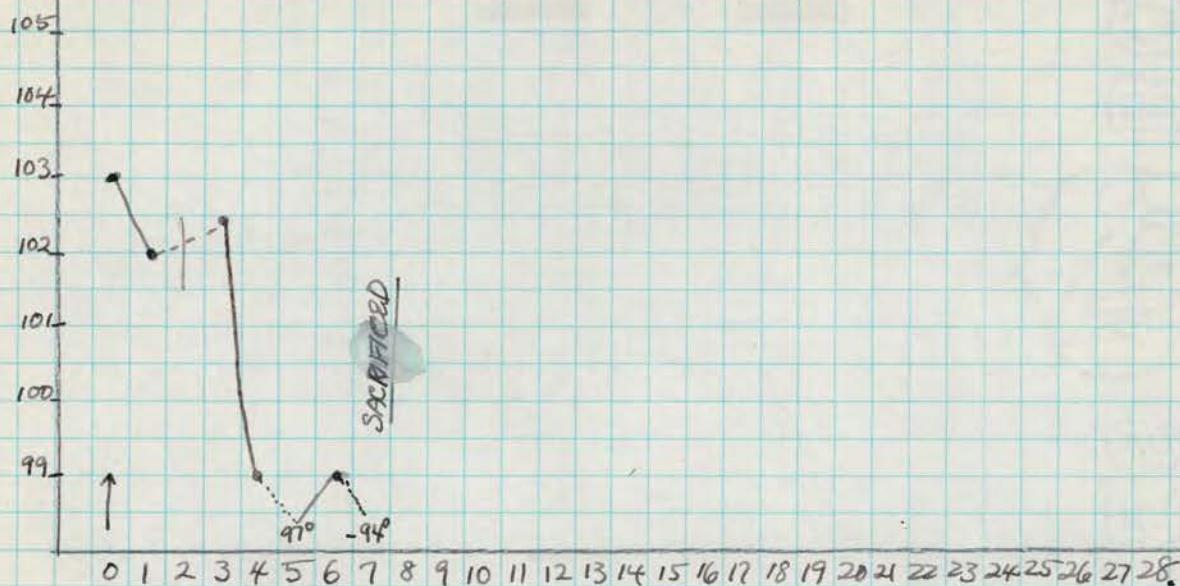
SEP 10 1948

Challenge Re-inoculation Test -

CONTROL MONKEY. - [REDACTED]

POLIO VIRUS.

Rh. # 825 - control for Rh. 536; 537; 545; 546.



SEP 10 1948 - Inoculated IC (left frontal) with 1.0 cc of 20% [REDACTED] polio virus (Gen. III) as control for Rh. 536, 537; 545; 546. - (g.v.)
Monkey is thin; apathetic; eats poorly; no diarrhea.

9-17-48. Monkey has continued to be in poor apathetic condition: weak; eats poorly without diarrhea. Today he is moribund; T = 94.0; while he moved uppers feebly yesterday, the uppers are both limp today; monkey looks relatively alert. - Sacrificed (chloroform exsanguination) - Autopsy: no gross TBC.

TISSUE FOR SECTION: Several segments of lumbar and cervical enlargement; 2 segments each of Thoracic and medulla.

HISTOLOGY: Mod. extensive acute neurophagia in early stages, and mod. PV cuffing in all cord levels examined; medulla shows acute neurophagia and mild PV cuffing - chiefly in reticular formation.

DIAGNOSIS: POLIO (acute)