

HOMOL-
OGOUS
CHALLENGE

SEP 15 1948

Challenge Re-inoculation with Homologous Virus (Pois) ✓

Rh. 572-

"FINE" convalescent



SEP 15 1948 - Challenged by incc. into Rt. frontal lobe of 1.0 cc of Gen. IV FINE polio virus (20% in saline); simultaneous control is Rh. 873 (g.v.) - Date of original incc. was 6/14/48.

CLINICAL CONDITION AT CHALLENGE: ^{awkward} ~~weak~~ rt. wrist, otherwise O.K.; There is moderate atrophy of both lowers, more on the right. -
 10-12-48 - ^{but} wrist no longer awkward. 10-16-48 Still favors rt. wrist in climbing.

10-21-48. Heterologous challenge with [redacted] polio virus, together with Rh. 1014 and Rh. 1015 as controls. (see record).

SEP 15 1948 Challenge Re - Inoculation with Homologous Virus (Polio)

✓ Rh. 573 -

Convalescent.



SEP 15 1948 - Challenged by inoc. into rt. frontal lobe of 1.0 cc of 20% [redacted] polio virus (Gen. IV); simultaneous controls Rh. 873 (g.v.) - Date of the original inoculation was 6/4/48.

CLINICAL CONDITION WHEN CHALLENGED: The left lower shows eversion of foot with partial paralysis; otherwise O.K. - Atrophy is moderately severe in both lowers; and moderate to mild in uppers, more so on the left upper.

10-21-48 - Heterologous challenge with [redacted] polio virus, together with Rh. 1014 and Rh. 1015 as controls. (see record)

SEP 15 1948

Challenge Re-inoculation with Homologous Virus (Polio)

Convalescent

Rh. 577.



SEP 15 1948 - Challenged by ino. into rt. frontal lobe of 1.0 cc of "FINE" polio virus (20% in saline; Gen. IV); simultaneous control in Rh. 873. (f.v.)
Date of original ino. was 6/14/48.

CLINICAL CONDITION WHEN CHALLENGED: - Very thin "scrawny"; has mod. severe diarrhea. There is complete paralysis of left upper; partial paralysis of both lowers (a little more so perhaps in the right). Marked atrophy of left upper and both lowers, right more atrophic than left.

10-21-48 - Heterologous challenge with [redacted] polio virus, together with Rh. 1014 and Rh. 1015 as controls. (see record)

SEP 15 1948 Challenge Re-Inoculation with Homologous Virus (Poli.)

convalescent

Ph. 578-



SEP 15 1948 - Challenged by inc. into right frontal lobe of 1.0 cc of 25% poli virus (Gen. IV); spinalaneous control is Ph. 873. (g.v.). - Date of original inoculation was 6/14/48.

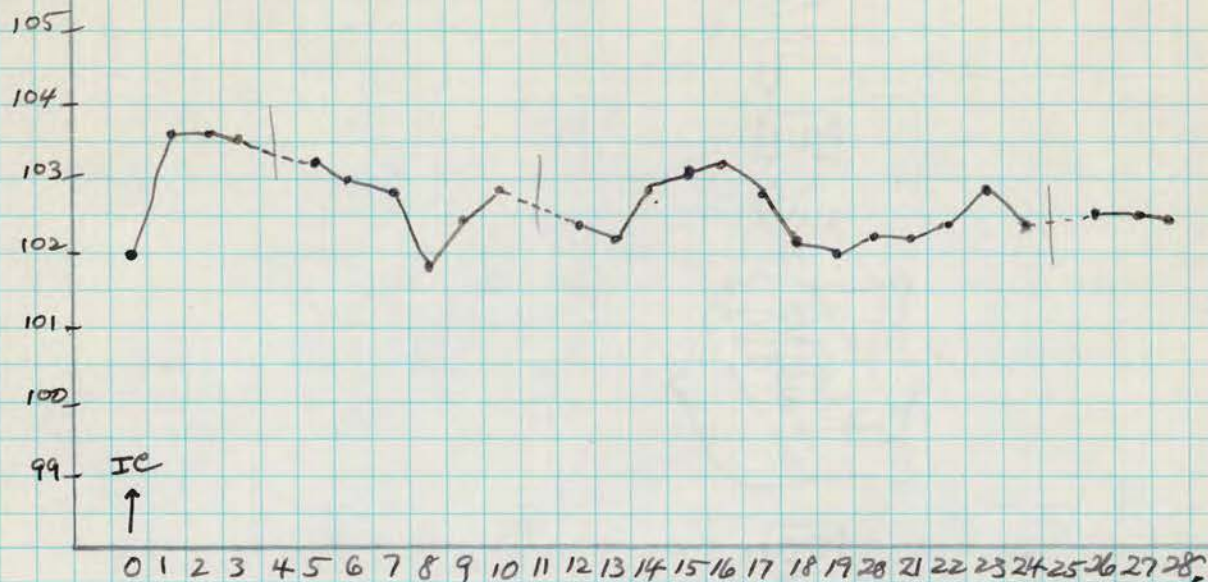
CLINICAL CONDITION WHEN CHALLENGED: partial paralysis both lowers, a little more so on the left, - weakness right upper. - Atrophy is moderately severe in both lowers, and mild in both uppers.

10-21-48 - Heterologous challenge with poli virus together with Ph. 1014 and Ph. 1015 as controls. (see record).

SEP 15 1948 Challenge & inoculation with homologous virus (Poli)

Rh. 583-

convalescent



SEP 15 1948 Challenged by inc. into rt. frontal lobe of 1.0 cc of 20% [redacted] poli virus (Cen. IV); simultaneous control is Rh. 873 (g.v.), Date of the original inc. was 6/14/48.

CLINICAL CONDITION WHEN CHALLENGED: - is slightly awkward in the use of lower limbs when climbing, and is readily exhausted. - Mild atrophy of both lower limbs, more in left lower than right lower. -

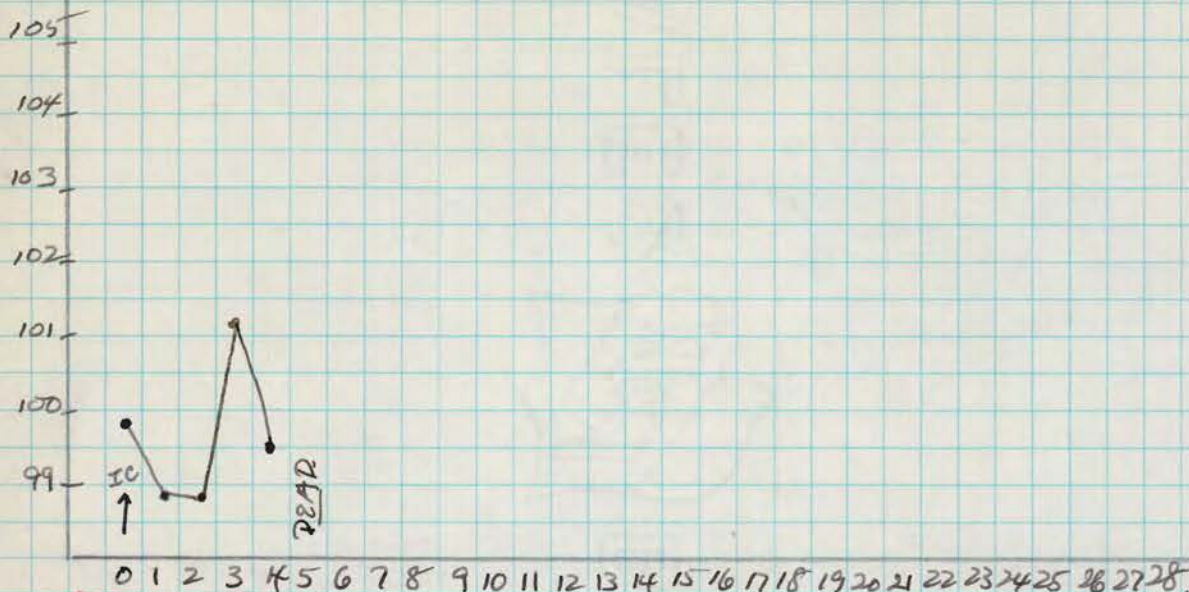
10-12-48 (27th day) - Slow improvement; now no longer awkward; still easily exhausted.

10-21-48 Heterologous challenge with [redacted] poli virus, together with Rh. 1014 and Rh. 1015 as controls. (see record).

SEP 15 1948 Challenge R - Inoculation with Homologous Virus (Pilo)

Rh. 595-

Convalescent.



SEP 15 1948 - Challenged by ino. into rt. frontal lobe of 1.0 cc of [redacted] virus (20% in saline), Ben TV. - simultaneous controls Rh. 823 (g.v.)
Date of original ino. was 6/14/48.

CLINICAL CONDITION WHEN CHALLENGED: Thin, "scrummy"; has mod. diarrhea.
Almost complete paralysis of both lowers with marked atrophy;
weakness of both wrists with mod. atrophy of both uppers.
9-19-48. Very apathetic; no diarrhea noted when examined, but very very scrummy.
9-20-48. DEAD. Autopsy: Entire left lung airless - ? consolidation or atelectasis.

TISSUES FOR SECTION: Thalamus; midbrain; 2 medulla; cervical cord;
Thoracic cord; lumbar cord. (Z-A).

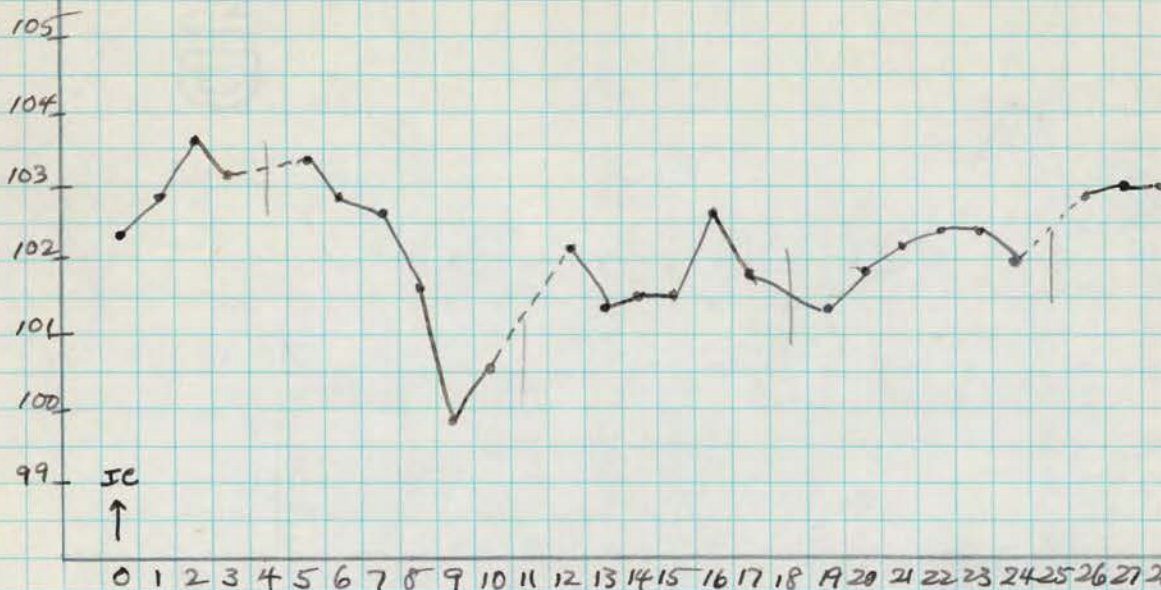
11-19-48. Tissues discarded

SEP 15 1948

Challenge Re-inoculation with Homologous Virus (Poli) ✓

Rh. 600

convalescent



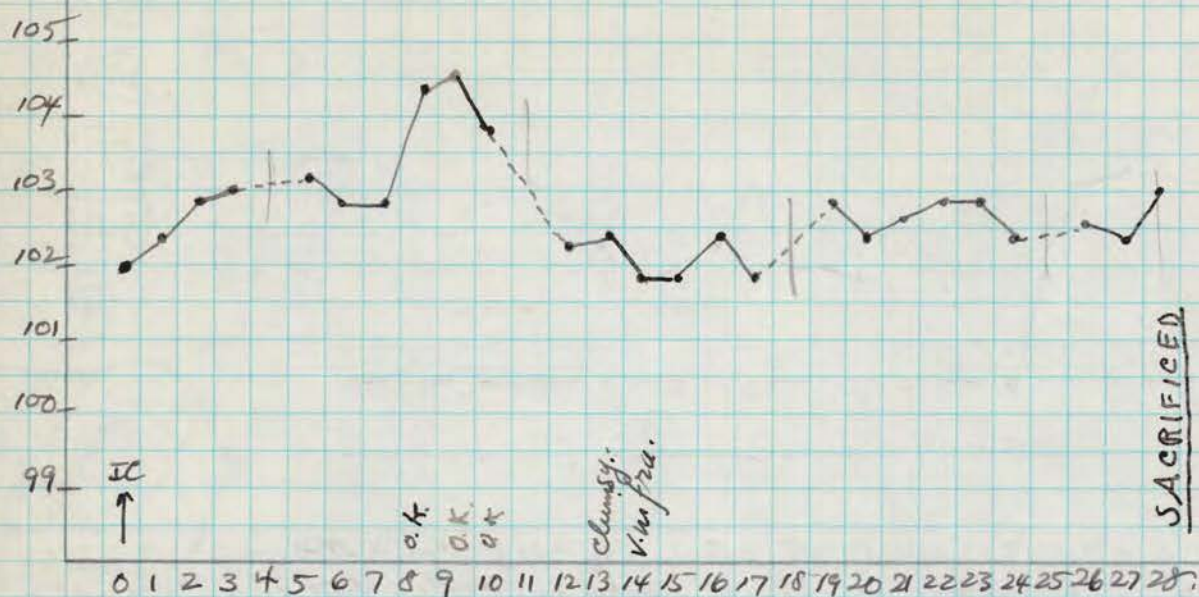
SEP 15 1948 - Challenged by virus into rt. frontal lobe of 1.0 cc of 20% [redacted] poli'o virus (Gen. 70); simultaneous control is Rh. 873 (g.u. only). Date of original inoc. was 6/14/48.

CLINICAL CONDITION WHEN CHALLENGED: Complete paralysis of both lowers; uppers are O.K.; - Atrophy is marked in both lowers; mild in both uppers.

10-21-48 - Heterologous challenge with [redacted] poli'o virus, using Rh. 1014 and Rh. 1015 as controls. (see record.)

Control Monkey - In [redacted] challenge re-inoculation with homologous [redacted] polio virus
 SEP 15 1948

Rh. 873 - normal control for Rh. 572, 573, 577;
 578; 583; 595; 600 - all FINE convalescents



SEP 15 1948 - Inoc. IC with 1.0 cc of 20% in saline [redacted] (Gen II) polio virus simultaneously with Rh. 572, 573, 577, 578, 583, 595, 600.

9-28-48 (13th day) - Clumsy; easily fatigued.

9-29-48 - Clumsy; climbs willingly but poorly with incoordination and mild weakness of both lower and of right wrist.

9-30-48 No Change 10-1-48 No change. 10-2-48 Seems to be less clumsy.

10-13-48 SACRIFICED: - (chloroform - exsanguination)

AUTOPSY: No gross etc.

ISSUE FOR SECTION: 4 segments of lumbar, 2 of thoracic and 5 of cervical cord; 2 sections of medulla (2A)

HISTOLOGY: Spinal Cord segments show extensive neuronal loss, most marked in lumbar and thoracic. PV cuffing in all levels but most marked in cervical with mod. extent of root degeneration chiefly one-sided. - Medulla is scarcely affected - there being 2 PV cuffing foci in the reticular formation.

DIAGNOSIS: POLIO ("old - nonfatal")