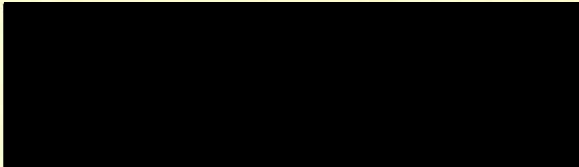


Polio - 1947.



Akron.



8/24/47.

Polio - Akron, Ohio, 1947.

white; ♀; 12 yrs;

Admitted - 8/23/47.

Onset: 8/20/47.

C.E. Headache.

History - 8/20/47 complained of generalized headache and of anorexia, and felt both feverish and a little chilly. The headache + vomiting continued together with a feeling of generalized weakness, and fatigue.

Admission Exam.

Tonsils and pharynx injected. Mod. nuchal rigidity present. There is rather marked hamstring spasm, and likewise of the lower back muscles.

CSF: 8/23

Cells
20

Lymph
50%

Psyp
50%

globulin
sl. trace

Notes:

8/24 - (by Dr. M. M. Miller) - "moderate spasm of neck; slight back spasm; severe hamstring spasm. - Left K.J. hyperactive; and Rt. K.J. sluggish. Prognosis - good.

8/24. - Blood; OP Swabs; Stools/Enema ordered.

8/25. - Temp. 100°. - Moderate neck + back spasm continue; severe hamstring spasm. All reflexes equal and present. - No weakness.

8/26 - Temp. 99°. Nuchal rigidity mild. hamstring tenderness fairly marked. -

8/27. Temp. 99°. No weakness or paralysis. Mild neck, back + hamstring spasm continue.

8/28. Temp. 99°. - No spasms except very mild hamstring.

8/29 T. 99°. Neg. to exam.

8/30 T. 99°. " " "

OP Swab. Stool.

8/24	✓	-
8/25	✓	-
8/26	✓	✓ pale ✓ enema
8/27		✓ formed
8/28		✓ formed

DEC 17 1947

A. Stools -

Solids present	70 gms.
Liquid present	275 cc.
Dist. Water Added	425 cc.

Blended at low speed for one minute.

For Centrifugation	± 300 cc.
For Refreezing	± 200 cc. (Box "C")
Remainder Discarded	

Volume First Supernatant	= 210 cc.
Ether Added	= 42 cc.

Volume of Untreated Stool Sediment = ± 50 cc (For Intranasal Use)

12/18/47. Volume of Prepared Material = 150 cc.

Culture: × 6 colonies (long sm. neg. rods)

12/19 - Re-etherized - 30 cc. Ether Added.

Cult: × 1 col. (long sm. neg. rods.)

12/22/47. Re-etherized - 28 cc. Ether Added. - to 140 cc. suspension.

12/23/47. Centrifuged 30 minutes; middle layer used for inoculation without awaiting culture results; Ph. 46 and Cyn. 58 used for inoculation, and these animals were given 50,000 μ penicillin simultaneously with inoculation.

Cult: × 1 colony (sm. neg. rods very pleomorphic, some slender as before - many short thick almost coccoid forms)

DEC 17 1947

B. Pharyngeal Swab Material -

Liquid Expresed — 2.0 cc.

Distilled water Added — 2.0 cc.

Ether Added = 1.5 cc.

12/18/47. Volume After Removal Top Layer = 3.8 cc.
Volume After Final Centrifugation = 3.7 cc.

Cult: ✓✓✓

12/19/47. - Frozen (a-1) until stools are ready for inoculation.

12/23/47 - Thawed for inoculation.

DEC 23 1947

Rhesus #46-

Treated Pharyngeal Swabs - I.C. ^{Cult} ✓✓
Treated Stools IP. ^{Xicol. ^{dom.} nodes.} ✓
Untreated Stools IN



12/23/47. Inoculated 1.5 cc I.C.; 20 cc IP together with 50,000 units of penicillin; and 1 cc per nostril.

12/24/47. A.M. T. 101.4 F; no evidence of peritonitis. (see Lpn. 58 - overleaf).

P.M. T = 98.8; listless; has abdominal tenderness and moderate distension; given 100,000 units penicillin IP at 2 P.M.

12/25/47. Given 100,000 units of penicillin IP.

12/26/47. - Moderate abdominal distension and tenderness; given 100,000 units of penicillin IP at 11 A.M.

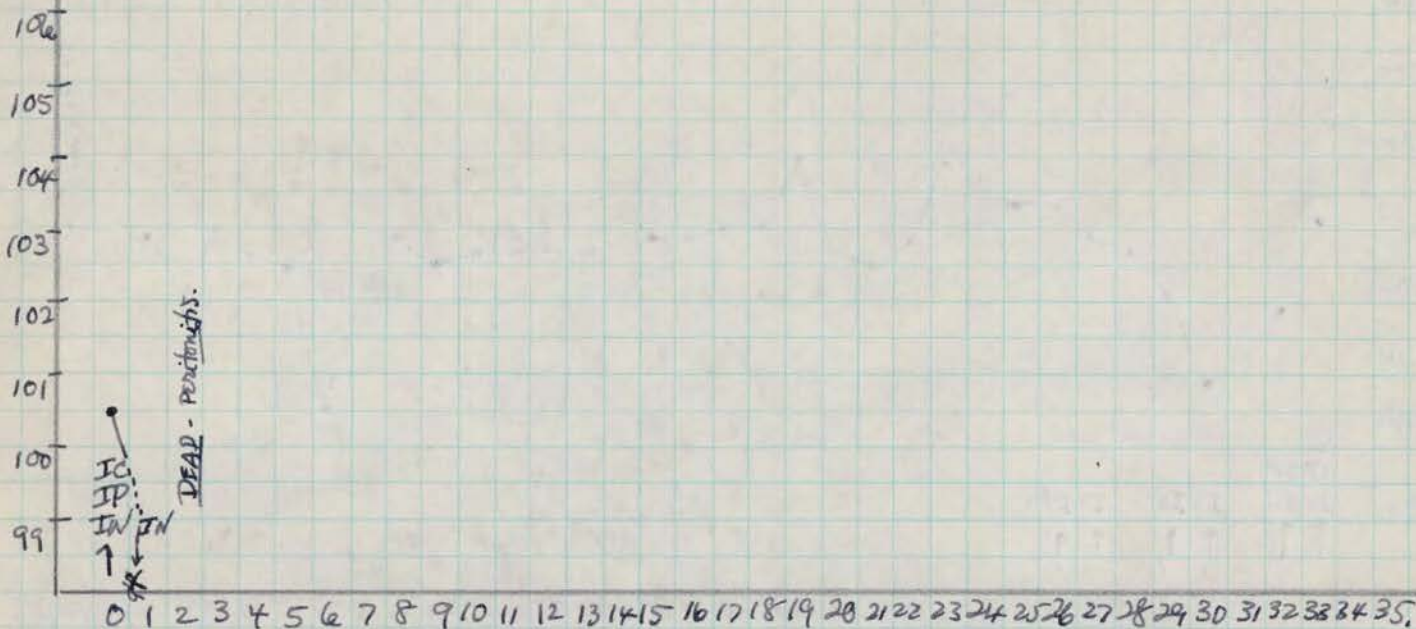
1-2-48 - moderate diarrhea.

1-26-48. Sacrificed (chloroform-exsanguination) for histopathology. Autopsy: no TB. TISSUES FOR PATHOLOGY: olfactory bulbs; Thalamus; midbrain; medulla; spinal cord levels. (Z-A.)

Histology - No Polio

DEC 23 1947

CYNOLOGOUS # 58



12/23/47. Inoculated 1.5 cc IP; 20 cc IP together with 50,000 units of penicillin; and 1 cc per nostril.

12/24/47. A.M. prostrate; temp. $< 94^{\circ}F$; abdomen distended, animal cries out only on abdominal palpation. - Given 100,000 u penicillin IP at 9:00 AM.

P.M. Temp. still $< 94^{\circ}F$; no clinical change; given 100,000 units penicillin IP at 2:00 p.m.

12/25/47. - Dead. peritonitis. - Smear = countless pus cells. Gram neg. rods. Culture = pure cult: numerous colonies. Gram neg. rods. No gross TBC.

12/26/47 - Plated on McConkey and SS Agar

12/31/47 - lactose fermenting colonies only.

PONO - 1947 - MOTHER HISTORY

<u>MK.#.</u>	<u>Limber.</u>	<u>Thoracic</u>	<u>Cervical</u>	<u>Medulla</u>	<u>Mitral</u>	<u>Taleno.</u>	<u>Hypothal.</u>	<u>Org. Bulbs</u>	<u>Org. DIAGNOSIS</u>
<u>Bh. Hc</u>	0	0	0	0	0	0	0	0:0.	<u>No focus</u>