

Bleo 1947-



Akron.

8/25/47.

Polio - Akron, Ohio. 1947.

white; 7; 7yrs.

Dr. Krill
adm. 8/25/47.

Onset: 8/24/47.

History: The evening of 8/24/47 she said the back of her neck hurt, and also that she had sharp pains in her palms and little fingers.8/25/47 - at 3³⁰ a.m. she awoke from sleep complaining of headache and "stomach-ache" and the temp. was taken $\rightarrow 103^{\circ}\text{F}$. By noon today the temp. came down to 100° , the neck pain and headache continued.Admission Exam 101°F . - Marked nuchal rigidity, marked back and hamstring tenderness. Kernig positive bilaterally. No muscular weakness noted.C&F 8/25 cells 87 Polys 87% lymphs 13% glob. Pco. -Notes: 8/26/47. T. 101° . Neck back + hamstring stiffness + post. Thigh tenderness continue. No weakness.8/27/47. T. 101° . - Neck + back spasm are still pronounced.8/28/47. - T. 100°F . - Mod. nuchal rigidity continues.8/29/47. T. 99° - mild nuchal rigidity only.8/30/47. T. 98° . Neg. essentially to exam.

	OP Swabs	Stool
8/25 -	✓	✓
8/26 -	✓	- examine discards clear
8/27 -	✓	- none discarded. clear excreta
8/28		- discards. clear excreta
8/29		- discards. clear excreta
8/30		✓ formed.
8/31		✓ soft. Small stool.

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A. Stool Material -

Solids Present	19 gms.	
No Liquid		
Saline Added	95 cc.	(20%)

Blended at low speed for one minute.

Refrozen Blend — ± 30 c.c. (Box "C")
Allowed to settle for 1 hour in refrigerator ± 80 cc.

"Supernatant" For Intraanasal use ± 25 cc.

Etherization of 65 cc. of suspension with 13.0 cc Ether,
shaken; stoppered lightly and put in refrigerator. (20%)

12/30/47

Centrifuged 20 minutes - middle layer pipetted = 45 cc.
Culture: ± 50 col. - all sm. neg. rods.

200,000 units Penicillin Added to 40.0 cc of the stool
suspension — Then cultured after 15 minutes:

Culture: ± 30 colonies - all sm. neg. rods.

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B. Pharyngeal Swab Material -

Fluid Expressed = 2.2 cc.

Dist. Water Added = 1.8 cc.

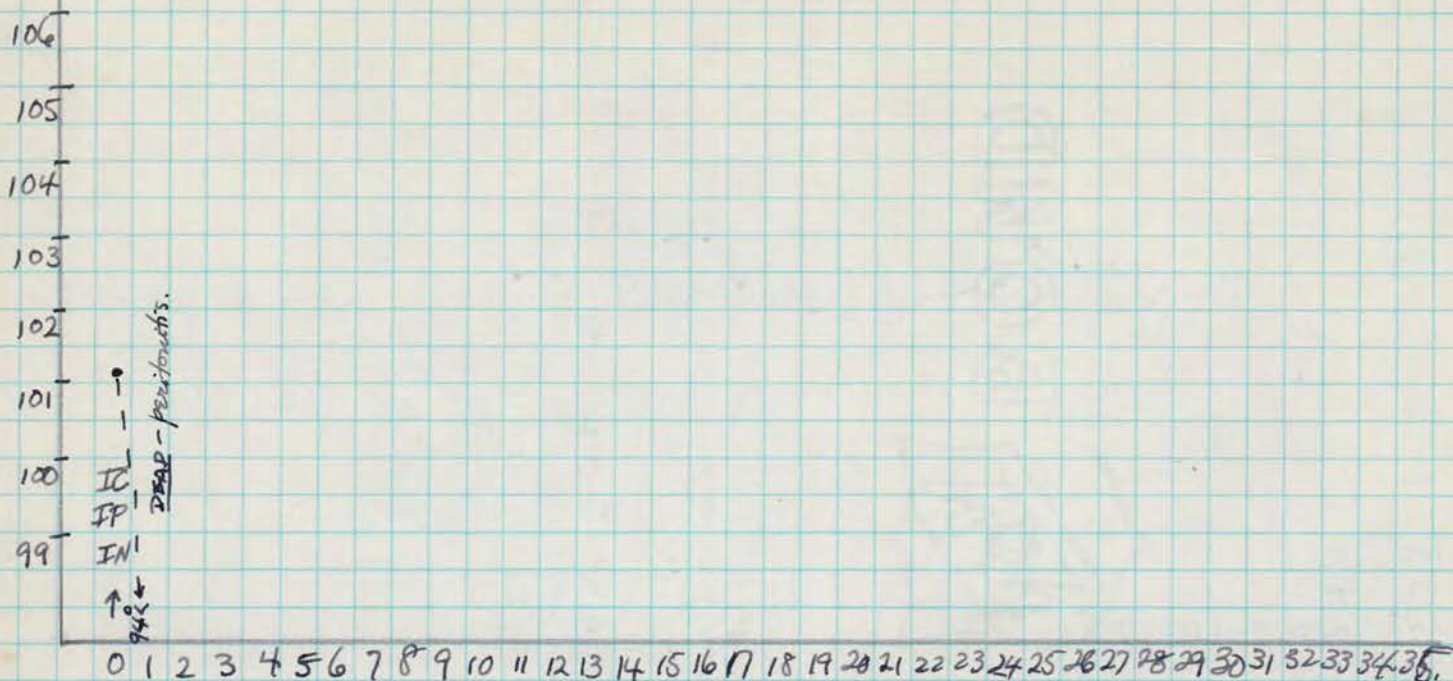
Ether Added = 1.5 cc.

Shaken for 10 minutes Then refrigerated.

12/30/47. - Horizontal centrifugation for 20 minutes; supernatant taken
off for culture + inoculation.
Cult. ✓ - ✓

DEC 30 1947

CYNOMOLGUS #59-



12/30/47. Inoculated 1.5 cc IC; 20 cc IP plus 5 cc of penicillin containing 100,000 units of penicillin. and 1 cc IN per nostril. } 11:00 am.
5:00 p.m. - T. 94.4; prostrate; rigid abdomen, screams when palpated; given 100,000 units of penicillin IP.

12/31/47. 8:30 A.M. - Temp. < 94°; abdomen tense; animal prostrate - but given 200,000 units of penicillin in 10 cc.

10:30 A.M. Dead:- Heart Blood Culture to BAP: ✓✓✓✓
(prior to handling animal)

Autopsy: widespread peritoneal injection, ± 50 cc of yellowish-turbid fluid; no adhesions found; The parietal peritoneum edematous + congested.

Perit. Cult. (BAP) } No growth after 4 days incubation. This is probably related to the large amt of penicillin given IP at 8:30 A.M. - with resulting bacteriostasis.

Perit. Smear: Numerous polys; a few sm. neg. rods.

POLIO-1947- - MONKEY HISTOLOGX

MK. #.	Lumen:	Thoracic:	Cervical:	Medulla:	Midbrain:	Thalamus:	Hypothalamus:	Cerebellum:	Spinal Cord:	Diaphragm:
Rh. 35:	0	0	0	0	0	0	0	0	one Bull. inf. lemons.	absent in cerebellum (ind. site?)

ABS No def. Tract?

Re-Review 7-31-48 by ABS,

Rh. 35:

abs. Bull. I: nodules near mitral cell layer; also considerable interstitial infiltration between mitral and molecular layers; - also meningeal infiltration -

abs. Bull. II: O.K. -

Corpus Striatum: Inc. site injury. Diagnosis: POLIO (atypical strain) (defactory level)