

Polio 1947.



Akron.



Polio - Akron, Ohio. 1947.

Chulbren's Hospital.

Negro; male; 16 yrs.

Adm. 8/25/47 - M.

Onset: 8/21/47. c.c. Headache

History: Evening of 8/21/47 - after he came out of the movie he had severe headache, which bothered him off and on until the evening of 8/23/47 when it became more severe and more persistent. On 8/24 he vomited several times, and then again on 8/25/47. His legs felt sore "in the back" and his back started to hurt after a spinal tap at Akron City Hospital this morning.

Admission Exam: T. 100°F; mild photophobia; severe headache chiefly left frontal. - Throat moderately injected.  
Moderate nuchal rigidity; moderate hamstring spasm; and marked low back spasm (has had a spinal tap today at Akron City Hospital).  
No muscular weakness.  
Cannot elicit K.J.'s bilaterally.

CSF: 8/25/47  
Akron City Hospital

Cells 88 (no differential done)

NOTES:

8/26/47. - Still has marked headache; nuchal + hamstring spasm about the same as on admission.

8/27/47. Headache very mild. - T. 99°

8/28/47. - Feels entirely O.K. - T. 98°; K.J.'s easily elicited on re-inforcement.

8/29/47. T. 100° - O.K. to exam.

8/30/47. T. 98° - Neg. exam.

	OP Swab	Stool
8/25	✓	-
8/26	✓	✓ small amount
8/27	✓	✓ small amount
8/28		✓ "

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A. Stool Material -

Solids Present	17. gms.	} 10% suspension
Liquid Present	0.	
Saline Added	170 cc.	

Blended low speed for one minute

Spontaneous settling one hour - refrigerator.  
 For Refreezing - ± 20 cc (Box "B")  
 For Intraneal use - ± 30 cc.  
 12-16-48 Discarded

Etherization ~~of~~ 70 c.c. of suspension with 1±.0 cc. of ether, shaken for 10 minutes and refrigerated.

1-6-48 - Reshaken 10 minutes; centrifuged 30 minutes; middle layer = ± 60 cc

B.A.P. Cultures.	DAYS:			
	1	2	3	4
a) Treated Stool Alone 0.2 cc.	± 25 large colonies ± 10 small colonies.	→ same	→	→
b) + Penicillin 5000 μ/c.c.	No growth	No growth	No growth	No growth
c) + Streptomycin 5000 μ/c.c.	"	"	"	"
d) + Penicillin } 2 cc + Streptomycin } 5,000 μ/c.c.	"	"	"	"

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B. Pharyngeal Swab Material -

Swabs plus 0.6 cc Buffer #1 = 3.5 cc.

Buffer #2 = 0.6 cc

4.1 cc.

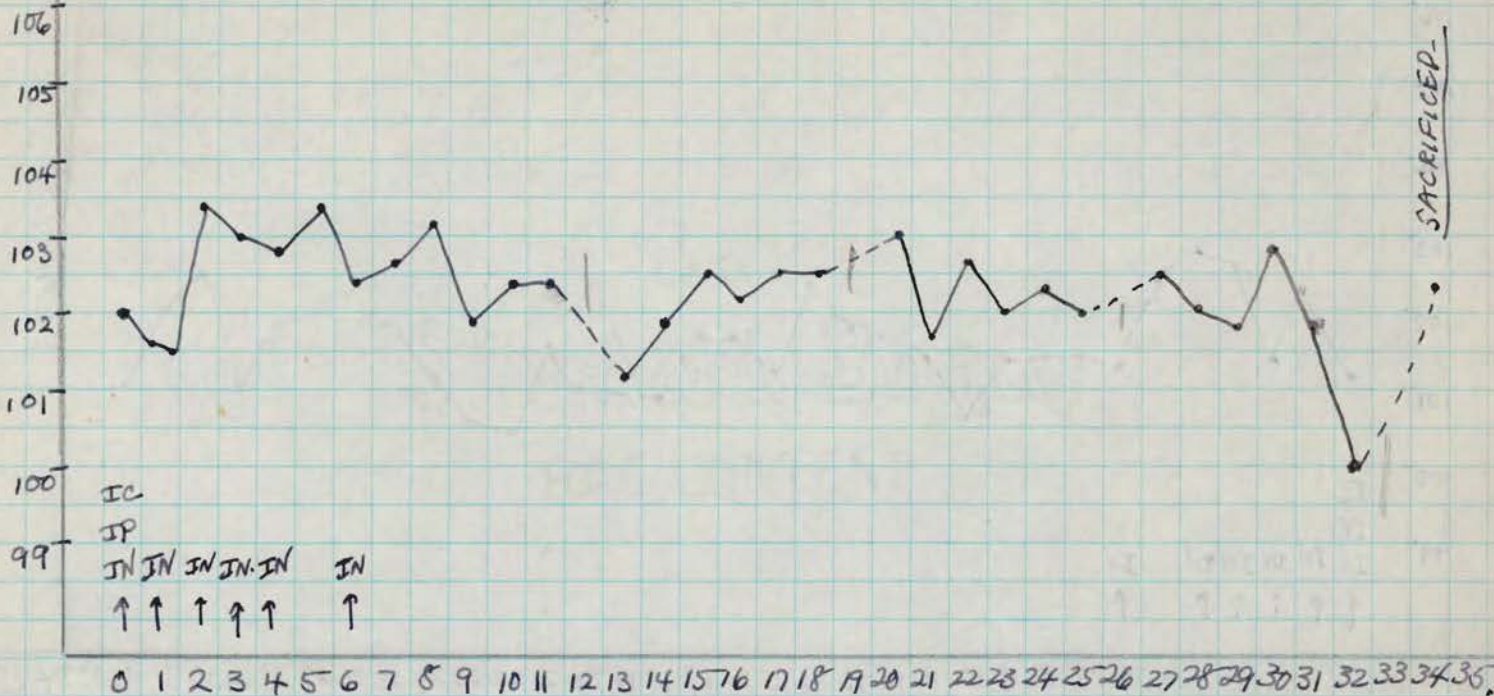
Ether Added = 1.0 cc; shaken 10'; refrigerated.

1-6-48. Centrifuged (horizontal) - for 15 minutes.  
Cultures: ✓✓✓

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Rhesus # 72-

Treated pharyngeal swabs. IC  
Treated stools IP.  
Untreated stools IN



1-6-48 - Inoculated 1.5 cc IC; 1 cc per nostril; 20 cc IP. together with 100,000 units Penicillin and 100 mgms. Streptomycin IP.

1-7-48 - A.M. - T = 101.6 - seems OK.

P.M. - T = 101.5 - seems OK.

2-9-48 - Sacrificed (chloroform - exsanguination) for histopathology.

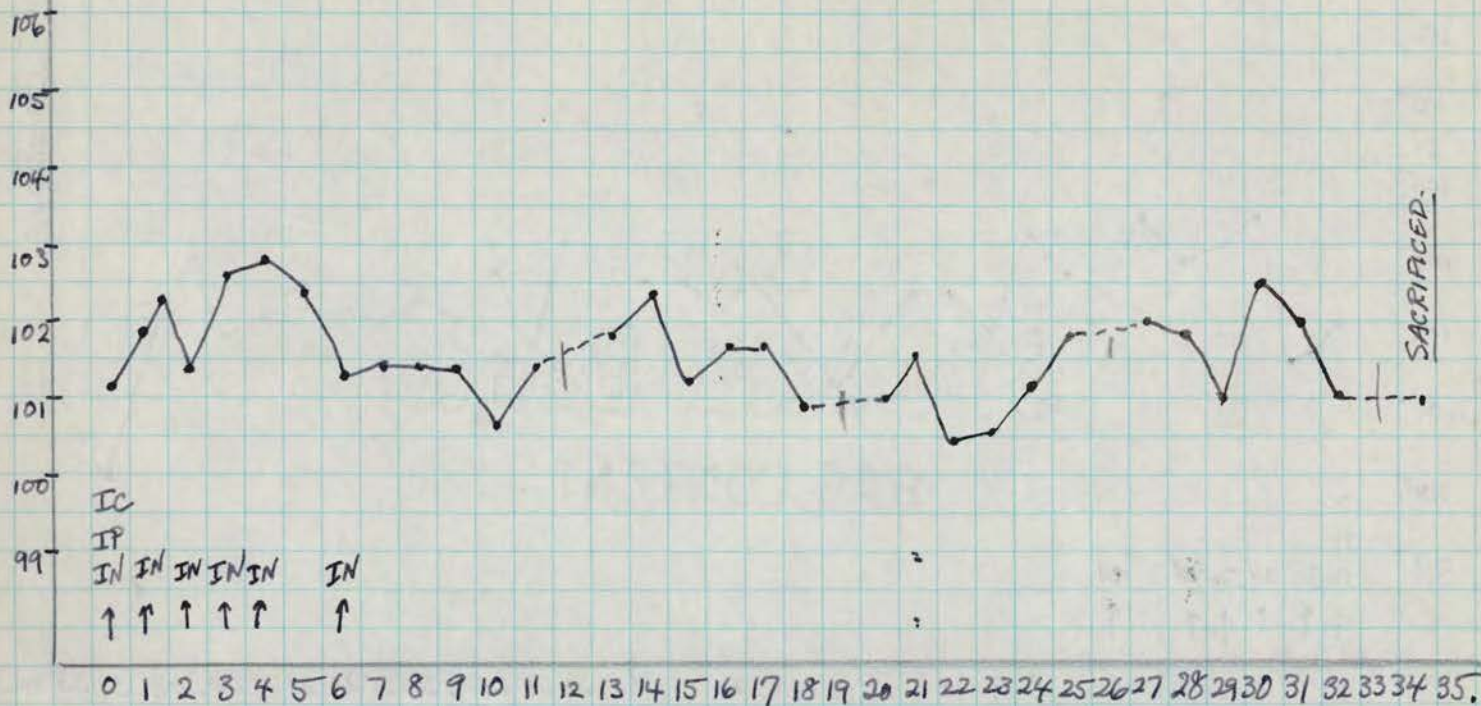
Autopsy: no gross tuberculosis

TISSUE FOR PATHOLOGY: numerous spinal cord levels; medulla; midbrain; Thalamus; olfactory bulbs (2-A)

Histology - No Polio

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- CYNOMORGHUS # 73 -



1-6-48 - Inoculated 1.5 cc IC; 1 cc per nostril; 20 cc IP together with 100,000 units penicillin and 100 mgms. Streptomycin IP.

1-7-48 - A.M. T = 101.8 - seems OK.  
P.M. T = 102.3 - seems OK.

2-9-48 - Sacrificed (chloroform-exsanguination) for histopathology.  
Autopsy: no gross tuberculosis.

TISSUE FOR PATHOLOGY: numerous spinal cord levels; medulla; midbrain, thalamus; olfactory bulbs. (Z.A)

1947 - 1947 - MONKEY HISTOLOGY.

<u>MK#</u>	<u>Lumbar</u>	<u>Thoracic</u>	<u>Cervical</u>	<u>Medulla</u>	<u>Midbrain</u>	<u>Thalamus</u>	<u>Hypothal.</u>	<u>Optic Bulbs</u>	<u>Other</u>	<u>DRAG NETS</u>
Rh.72	0	0	0	0	0	0	0	0;0		NO Polio.
CYN.73	0	0	0	0	0	0	0	0;0		NO Polio