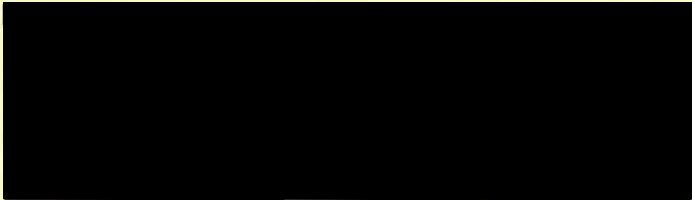


Polo - 1947.



Aeron.

8/24/47.

Polio - Akron, Ohio. 1947.

Children's Hospital
Chart # 68986

-white; 2: 3 yrs.-

Physician: [redacted]

Consultation to: [redacted]

Admitted: 8/21/47.

Onset: 8/20/47.

History: C.C. Headache.

On 8/20/47 - generalized headache; emesis several times; and "feverish"; with anorexia the remainder of the day. Slept fitfully that night, and on morning of day of admission since all of these symptoms continued, the child was sent in for L.P.

Admission Exam: - Tonsils enlarged and injected. Remainder exam entirely neg. except for questionable nuchal rigidity; slight low back spasm; hamstring spasm ^{Temp. 100.3 (R.)} but only on the right. - NO weakness.

CSF:	8/21/47. -	WBC	Polys	L.	Globulin
	8/23/47. -	343	84%	16%	Pos.
		89	-	-	Faint trace.

Notes: -

8/22/47. - low back + hamstring spasm continued; no weakness apparent. -

8/24/47. - Blood; OP. Swabs taken. - Stools/enema ordered.

8/25/47. - Much less spasm of hamstrings + back; no weakness.

8/26/47. T. 100°F. - little or no spasm detectable. - NO weakness or paralysis. -

8/27/47. - T. 102.4. - pt. has large red tonsils, no exudate. No muscular weakness; no spasm detectable of neck; back or hamstrings any longer. - Pt. was placed on sulfadiazine. -

8/28/47. - T. 99°. Throat less red.

8/29/47. T. 99°. - Throat O.K. entire exam. neg.

8/30/47. T. 99°. - Neg. to Exam. -

	OP Swab	Stool
8/24	✓	0
8/25	✓	✓ formed
8/26	✓	✓ formed
8/27		✓ formed

DEC 15 1947

A. Stools -

Weight Solid = 61 Gms.
Liquid Present = 0
Distilled water Added = 610 cc.

Blended at low speed for one minute.

For Centrifugation ± 280 cc.
For Refreezing ± 200 cc (Box "C")
Remainder Discarded. -

First Supernatant = 230 cc.
Ether Added = 46 cc.

12/16/47. Volume of Untreated Sediment = 60 cc (For Intranasal use)
Cult: ✓✓✓

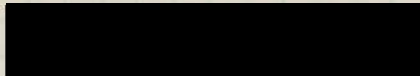
DEC 15 1947

B. Pharyngeal Swab Material -

Liquid Expressed	=	2.4 cc.
Dist. Water Added	=	1.6 cc.
		<hr/>
		4.0 cc.
Ether Added -		1.5 cc.

12/16/47. After Removal Top layer = 3.9 cc.
After Final centrifugation = 3.9 cc.
Cult. ✓✓

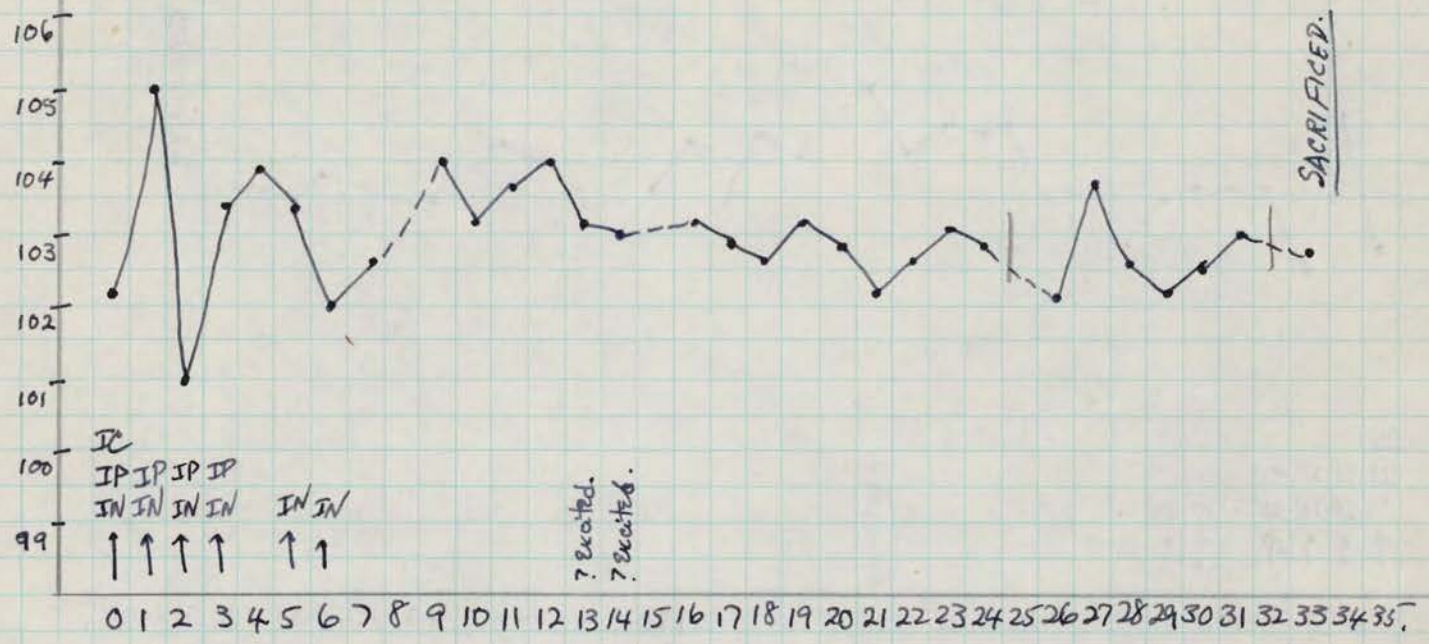
DEC 17 1947



Treated Pharyngeal Swabs - IC. ✓✓✓
Treated Stools - IP. ✓✓✓
Untreated Stools - IN.

Cult: ✓✓✓
✓✓✓

Rhesus #53-



12/17/47. Inoculated 1.5 cc - IC; 20 cc IP and 1 cc per nostril.

1-19-48. - Sacrificed (chloroform-exsanguination) for histopathology. - Autopsy: no gross. TBC.

ISSUES: olfactory bulbs; thalamus; hypothalamus; medulla and spinal cord levels (2-4)

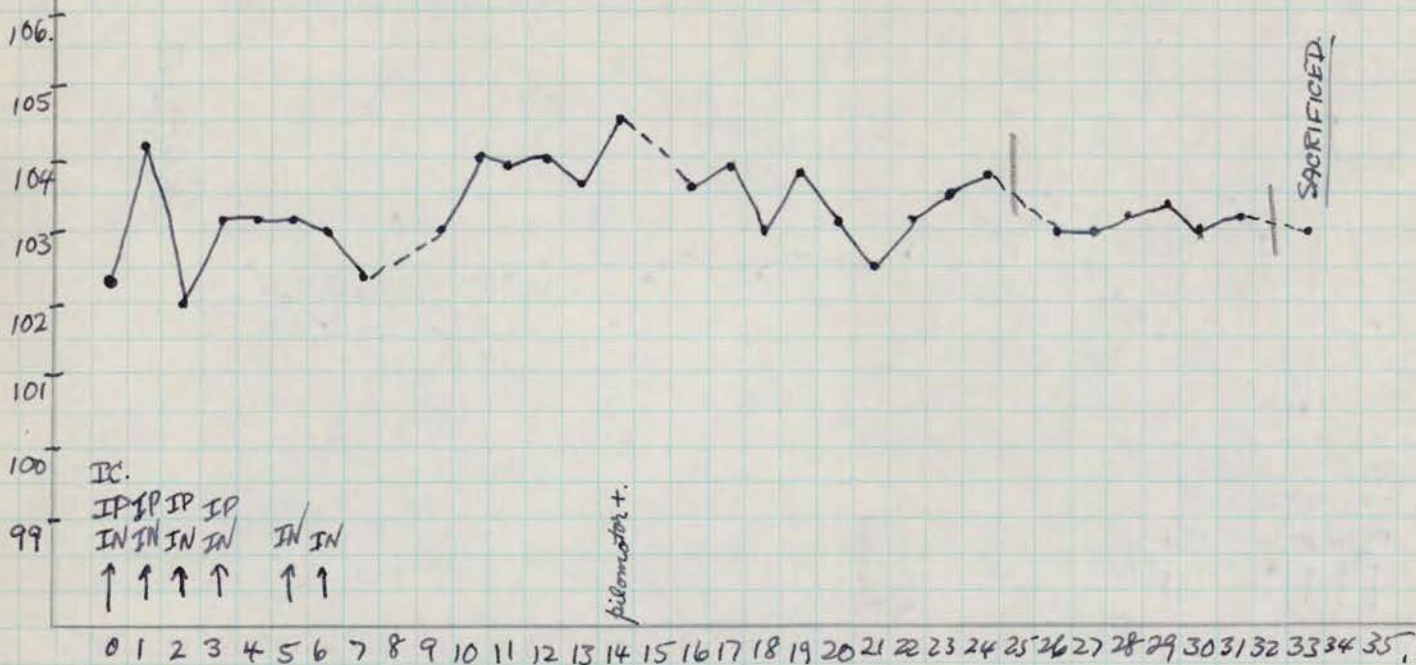
HISTOLOGY: Above levels free of pathology.

DIAGNOSIS: NO POLIO.

DEC 17 1947

Treated Pharyngeal Swabs - IC.
Treated Stools - IP.
Untreated Stools - IN.

Rhesus # 54



12/17/47 inoculated 1.5 cc IC; 20 cc IP and 1 cc IN per nostril.

1-19-48 - Sacrificed (chloroform - exsanguination) for histopathology.

Autopsy: no gross TBC. - ant. perf. subst.
ISSUES: olfactory bulb; Thalamus; 3 levels of
and spinal cord levels (Z.A.) medulla

HISTOLOGY: (Reviewed 7/31/48 with ABS.) -

Olf. Bulb I: PV infiltration of glomerular layer.

Olf. Bulb II: PV infiltration of glomerular and meningeal layers.

Anterior Perforated Substance: two foci of PV infiltration as well as scattered glial infiltration in the gray matter around one of them.

Medulla: one area of PV infiltration; in the adjacent area there is loose glial cell infiltration near the neurones.

DIAGNOSIS: "POSSIBLE EVIDENCE FOR POLIO; NOT ENOUGH TO WARRANT DIAGNOSIS"