

Polo 1947.



Cincinnati:

[redacted] - white boy - age 7 [redacted]

(Patient of Dr. Sealy)

- ONSET - AUG. 16 - ~~Sore Throat~~, Fever, vomited, ^{frontal headache} History of abdominal pain and ~~looked same~~ 1 week ago ^{or less}.
Date of onset checked with mother. not apparently related to present episode
- Aug. 16 - Stiff neck; ~~weak?~~ back - fever
Lumbar puncture - 160 WBC - Pandy +
- Aug. 17 - Does not appear ill; still febrile (100.8°)
No nuchal or spinal rigidity.
Exam neg.
Throat swabs, stool and blood obtained
- Aug. 18 - Throat swabs I
Stool II
Afebrile, asymptomatic, no weakness of extremities or back noted.
- Aug. 19 - OK. - Swabs III; Stool III
- 8-30 - Perfectly well - Blood spec. II

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A. Stools:

11/25/47. - Estimated Solids	120 gms
Liquid present	30 cc.
Dist. water Added	600 cc.

Blended for one minute at low speed -

For Centrifugation	1350 cc.
For Refreezing	± 150 cc. (old vaccine box)
Discarded	± 150 cc. <u>12-16-48</u> Discarded

First Supernatant	=	± 200 cc.
ETHER Added	=	40 cc.

Retreated Sediment = 45.0 cc (for Intranasal inoculation)

11/26/47. - Final Amount of Treated Stool Suspension = 130 cc
 Cult: (Before Final Centrifugation) :- X ± 20 large mucoid colonies. -
 (After Final Centrifugation) :- X ± 20 large mucoid colonies. -

11/27/47. - Re-etherization; 26.0 cc. Ether Added. -

11/28/47. - Stool Suspension Prepared for Inoculation = ± 100 cc.
 Culture: X 2 colonies; uniformly large sm. neg. rods. -

11/30/47. - (See Record on Rhesus #15 inoculated 11/29/47) -

Reculture of Stool Suspension: - X 2 col. - large sm. neg. rods. -

12/1/47. - Re-etherized; 11.0 cc Ether Added to 55 cc of remaining suspension.

12/2/47. -
 Reculture: Before Final Centrifugation: X 3 col. - sm. neg. rods, ~~with~~
 After Final Centrifugation: X 1 col. - sm. neg. rods, ...

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B. Pharyngeal Swab Material -

Fluid Expressed 2.5 cc.
Dist. water Added 1.5 cc.

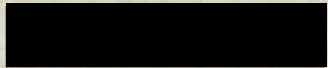
Ether Added 4.0 cc.
1.5 cc.

12/26/47.

After Removal Top Layer - 3.8 cc.
After Final Centrifugation - 3.8 cc.

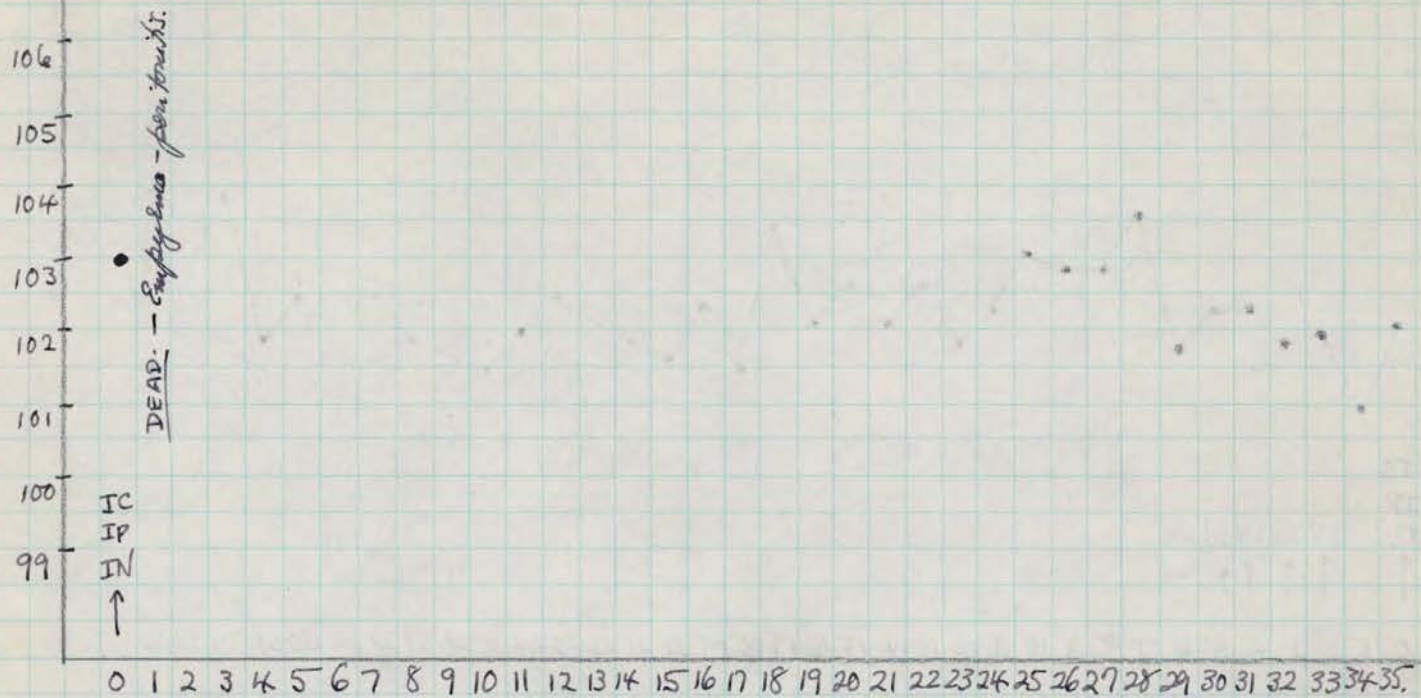
Cultured: ✓✓✓

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Treated pharyngeal swabs - IC. ✓✓✓
Treated stools ——— IP. ✓ X Col. rods
Untreated stools ——— IN.

Rhesus # 15-



11/29/47. Inoculated 1.5 cc IC, 20 cc IP, and 1 cc IN per nostril.

11/30/47. - Found Dead:

Autopsy: No gross evidence of tuberculosis. Positive findings:

- 1) Peritoneum: pale slightly cloudy fluid ± 15-20 cc. - Gram smear showed frequent polys and scattered large Gram neg. rods, but no other bacteria.
- 2) Empyema Thoracis (left) ± 15-20 cc of turbid malodorous fluid; Gram smear - loaded with polys; great many Gram neg. rods of varying sizes seen; entire left lung hemorrhagic with fibrin deposits on lower lobe.

Cult: Peritoneal Fluid: X 1/4 col. - Gram neg. rods on smear.

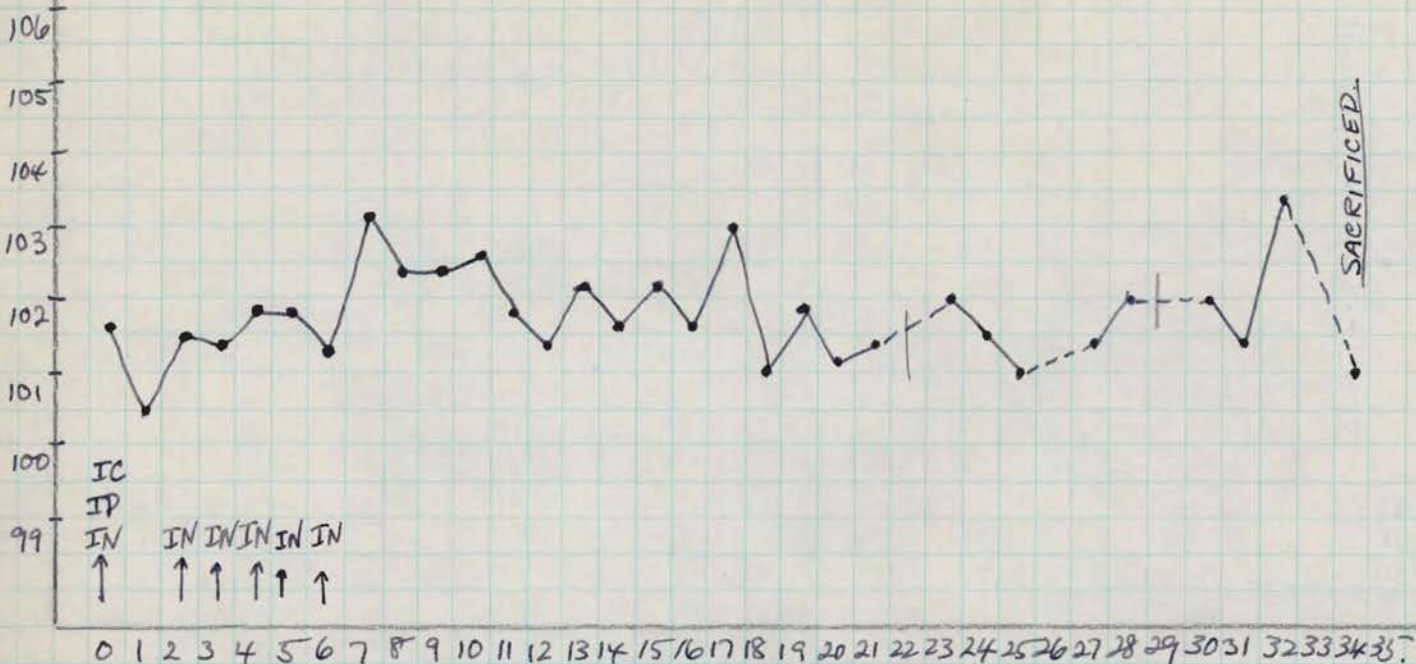
Pleural Fluid: X loaded with colonies - Gram neg. rods on smear.

12/2/47. - Subcult on SS: X coliform; no non-lactose fermenting colonies by 12/4/47.

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

Rhesus #16.



11/29/47. Inoculated 1.5 cc IC; 20 cc IP and 1 cc IN per nostril.

11/30/47. Seems quite alert; active when exercised; abdomen is not tense; however he seemed disinterested in food, Temp. was 100.6 and in view of death today of Rh. #15 (overleaf) and uncertainty of whether that death was induced by the inoculation IP, it was felt advisable to give penicillin into the peritoneum.

2⁰⁰ P.M. Given 200,000 μ Sod. Penicillin (Wyer) aqueous IP.

4³⁰ P.M. T. 100°C. Seems active; has eaten; abdomen seems a little swollen - but is not tense.

5⁰⁰ P.M. Given 200,000 μ Sod. Penicillin (Wyer) aqueous IP.

12/1/47. - Abdomen is not tense. - 12⁰⁰ noon - given 100,000 μ penicillin.

12/16/47. - Has moderate degree of diarrhea; given 2.0 gms. Sod. Sulfadiazine IP.

1-2-48 - Sacrificed (Chloroform - Exsanguination) - AUTOPSY: no gross TBC.

TISSUE FOR HISTOPATHOLOGY: - Cord; Thalamus; Hypothalamus and the olfactory bulbs. - (Z.A.)

Histology - No Polio

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MONKEY HISTOLOGY

DISEASES

C.G. Bulls

Hypothal.

Thalamus

Midbrain

Medulla

Cervical

Thoracic

Lumbar

M.K. #

NO POLLO

0

0

0

-

0

0

0

0

Rh. 16.