

Dr. H. B. Anderson reports finding a pure culture of streptococcus pyogenes with very long chains. This culture was taken on the 3rd, when the wounds showed well-marked pseudo-membranes covering the raw surfaces. These membranes looked almost identical with those found in diphtheria, and left a bleeding surface on removal.

June 7th—Pulse 100, temperature 101° . Dr. Anderson's report of a pure culture induced another trial of the serum, and at 11 a.m. 10 cc. more were given. 4 p.m., chills; pulse 110, temperature $103\frac{1}{2}^{\circ}$; sweating. 11 p.m., pulse 100, temperature $101\frac{2}{3}$.

June 8th—8 a.m., pulse 100, temperature $101\frac{2}{3}^{\circ}$; slept well; is drowsy a good deal to-day; an erythematous rash at site of injection (over deltoid) and down the arm; gave 10 cc. more serum. 8.30 p.m., pulse 110, temperature $104\frac{1}{2}$; had chills to-day; appetite better and wounds clean.

June 9th—10 a.m., pulse 104, temperature normal; sweat during the night and complains of pain like muscular rheumatism in right arm. 10 p.m., pulse 100, temperature normal; right arm very stiff and helpless.

June 10th—Pulse 90, temperature normal; mind rather mixed; foot very tremulous. This tremor has existed throughout the illness, but worse now than usual; looks like a marked ankle clonus.

Three small abscesses were opened, one over the great toe-joint, one on the dorsum and one at the ankle, but temperature never showed any marked rise and wounds steadily healed up.

In the way of local treatment the wounds were, after the first few days, when peroxide was used, washed out frequently with carbolic solution, and to the pseudo-membrane pure carbolic acid was applied three or four times. Internally, for the greater part of the time the patient could not be induced to take medicine.

Had the patient been put under the serum treatment from the first, before his powers were reduced and before the attack of mumps, which greatly lowered his vitality, the long course of the disease might perhaps have been avoided.

As regards the source of the infection, the woman who dressed his wound from the first had a "run around" on one of her fingers, and although, unfortunately, no culture was taken from this, it is a probable source of infection.