

some adhesions old in character at the base. No pus on the outside. The arachnoid and pia mater at the base, but more particularly on the right side, were congested and infiltrated with thick yellowish pus. The same condition extended over the cortex of both hemispheres, but was more marked in the frontal and parietal regions. The choroid plexus on the right side somewhat congested. Fluid in both ventricles not increased in amount. In the mastoid process pus was also found. The other organs of the body were normal, except the liver, which was enlarged—3 lb. 15 oz., somewhat fatty, and a number of infarcts throughout.

Bacteriological examinations of the blood before death and of the pus after death gave pure cultures of streptococcus pyogenes.

THE OUTBREAK OF SMALL-POX IN CAMDEN TOWNSHIP, KENT COUNTY.

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During October and November, 1898, there were four cases of small-pox in Camden Township, Kent County. The first case occurred October 3rd. The disease had been contracted in Detroit from a family supposed to have chicken-pox.

The Camden cases occurred in a family of ten persons, living in a seven-roomed farm-house. Of these ten persons five had never been vaccinated. Of these five, four contracted the disease. A baby eight months old did not take the disease, though unprotected by vaccination. The five who had been vaccinated five years ago, showed one good cicatrix each, and these all escaped.

The four cases occurred on October 3rd, 19th, 22nd and 24th respectively. The stage of incubation was in first case, seven to fourteen days; second case, sixteen days; third case, nineteen days; fourth case, twenty-one days. The first case was semi-confluent and very severe. The temperature was characteristic in each of the first three cases. The fourth case was very mild, there not being over twenty papules present, and in only one was the characteristic umbilication present.

The highest temperature noted in any case was 105½. This was before the rash appeared. After the rash appeared the temperature was in each case 98½. The nausea was very marked in each case, and continued forty-eight hours. All made a good recovery. In the first case the pitting was excessive, especially on face. The other three are very slightly marked. The ten persons were quarantined at their own home, a seven-roomed farm-house.