

of Ottawa, whose public spirit and generosity have made this research possible; to Dr. H. M. Kinghorn of Montreal, now of Saranac Lake, and to Dr. H. Wolferstan Thomas, for cultures supplied, and to Professor Adami for valuable hints.

A complete bibliography and full details of the experiments are appended to the full paper.

A CASE OF GASTRIC SYPHILIS.

BY

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The following case seems to be worth recording for two reasons:—First, the lesion was observed *intra vitam* in the course of an exploratory laparotomy; and second, the patient made a perfect and lasting recovery, up to the moment of writing, more than a year after the operation.

J. F. L. C., 39 years old, single, first came under observation in June, 1897. In the summer of 1896 he had suffered occasionally from severe pains in the hips and lower extremities, which would last a day and a night and then subside. During the following winter the pains had increased in frequency and severity. He described the pains as aching with occasional twitches, and worse at night, sometimes preventing him from sleeping. The pains were not increased by walking or other exercise, and would sometimes be absent for a week at a time. He had no difficulty in walking, and did not stagger or stumble.

In 1892 he had a sore on the penis, lasting from March 24th to June 1st, and was treated for syphilis by a physician. Very slight, if any, secondary symptoms developed. From that time until the onset of the pains in his limbs he had enjoyed good health. Physical examination, when I first saw him in June, 1897, showed no organic disease of the various organs. Owing to illness I saw him only at long intervals until the end of January, 1898, when he again consulted me for the same pains. These had been very severe, occurring every month, sometimes every two weeks, and had not been relieved by full doses of iodide of potassium. Eventually, however, the pains subsided gradually, and I did not see him again until November 23rd, 1901, when he consulted me for indigestion and diarrhoea. The latter he attributed to a chill he had got while swimming, at the beginning of September, but he had been failing in health during the summer.

The stomach symptoms were flatulency, fulness, and a gnawing