

A patient, æt. 53, referred by Dr. Tuttle, of Tweed, Ont., first noticed a bloody uterine discharge in January, 1910. She did not consult a physician until June. The cervix was cauterized but serious hæmorrhage recurred, and in July she underwent an operation at the hands of a leading gynæcologist in Toronto, when the uterus was curetted, and the cervix amputated. This was all that was done, as, in the surgeon's opinion, the left ureter and bladder were involved and hysterectomy would not be justified. A very grave prognosis was given.

On August 5th she consulted regarding radium treatment. The discharge, pain and irritability of the bladder had continued. Dr. F. A. Cleland, Assistant Gynæcologist of St. Michael's Hospital, Toronto, was called in consultation, as it was felt that the treatment should be surgical, if possible.

The condition at that date, as reported by Dr. Cleland, was as follows:

"On August 15th, in the vault of the vagina and where the cervix had been removed, was a raw, bleeding, granular surface, about two inches in diameter, extending into the vaginal wall. The left side was more involved than the right, and in order to remove the growth completely, an extensive dissection would have been required and probably the removal of the left ureter.

"The uterus was fixed on the left side, and examination by bi-manual method caused a good deal of pain. The body of the uterus was not enlarged.

"In view of the extensive operation which would have been necessary, and the uncertainty of complete removal, radium treatment was advised."

Treatment was accordingly instituted and from August 15th to October 7th, with two weeks' intermission, a strong radium plaque was placed against the cervix for twelve hours every night. The discharge ceased after the first few applications. The pain disappeared, and the bladder condition improved. On October 7th, a tube containing one centigram of pure bromide of radium in a catheter was inserted into the uterus for fifteen hours. The patient then returned home. Examinations made from time to time had shown a continuous