

dition. In the second cast there was no return of the disease. The patient has remained perfectly cured for nine years. This is an illustration of the fact that radium does what surgery has never been able to do. Surgery sometimes cures the patient but never cures the disease, whereas radium puts an end to the disease itself.

The third pair of casts exhibited another case of the same type, an epithelioma of the corner of the eye and including both eyelids. After radium treatment and some weeks in the hospital while treatment was applied this patient became perfectly well.

The fourth cast was one of a case of cancer behind the ear. This growth had been burned out, frozen out and cut out, but always came back. In June some seven or eight years ago, when the patient came to consult Dr. Abbe, eroded tissue extended down the side of the neck. Two or three radium tubes were applied for an hour at one time on four different occasions, and in October the patient was perfectly well. A cast taken six years afterwards showed the condition to be still perfectly healed.

Another cast was that of an eyelid case. The lower lid was the site of a tumor involving some three-fourths of the lid. It was sent to Dr. Abbe for a plastic operation. This round-celled sarcoma was cured by four one-hour applications of radium. This case illustrated a result so good that it was not possible to tell from the plaster casts which one was taken before treatment and which after treatment. The condition was perfectly cured. A photograph taken of this case lately made it plain that it is impossible to tell upon which eyelid the tumor grew. Here there was a mass of cells which had engulfed practically all the tissue of this eyelid. Radium was laid upon it and there was a reassemblage of the normal cells of the lid. The mucous membrane again took on its normal appearance, the edge of the lid its normal shape, and the whole lid became restored. Radium had reassembled the cells which, though not destroyed by disease, were engulfed. This case was treated just in time—that is, before necrosis had set in. This case, called a round-celled sarcoma, was probably a basal-celled type of epithelioma. All sorts of tumors which are of a basal-celled type are cured by radium if they have not gone too far. The simplest type of tumor is the ordinary wart, the non-malignant papilloma. Hundreds of these have been cured completely by fifteen to thirty-minute applications of 10 milligrams of radium.

Another interesting type of tumor which had been treated with success was that of epithelioma of the nipple, commencing