

treatment had upon it? That it is cancerous there is little doubt, but whether epithelioma or carcinoma I am uncertain, but I consider it to be the latter. It received in all fourteen vigorous applications of the Roentgen radiations. There was very little appreciable effect upon it discernible when the pleurisy set in. But, shortly after, the beard dropped out, and the skin sloughed. He had a mild X-ray burn which healed in the usual time. The lump apparently diminished in size during this period, and I think lost, at least, part of its firm attachment to the bone and underlying structures. At the present he complains of some loss of control over the muscles of the mouth, but it cannot be observed. I may be disappointed in my expectations, but I am very hopeful at present, that a perfect cure will eventually be made of the case.

Case 3.—*Cancer of Breast*.—Mrs. B., age 47, referred for X-ray treatment by Dr. Riordan, by whom the left breast and glands of the axilla were removed. The neoplasm, I understand, was well advanced. The patient, although cachectic looking, recovered rapidly from the operation and the wound healed quickly. She was, however, very short of breath, and the appetite exceedingly poor. The wound had no sooner healed than there was evidence of the return of the malignant growth along the line of the sutures and at other parts adjacent. After a few treatments of twenty minutes' duration there was evidence that the nodules were lessening in size, and after seven or eight treatments the skin became sunburnt-looking. The treatment was continued till thirteen applications were given. The nodules disappeared and the skin became smooth. Her health was, however, failing, and the cachexia increasing. Severe jaundice intervened and the patient died, I believe, from cancer of the liver and probably other internal organs. At the time the treatment was begun it was pretty evident that the infection had invaded the internal organs. Nevertheless the case showed that the X-rays were effectual in dispersing the recurring external nodes. There was no injury, of any account, done to the parts exposed.

Case 4.—*Carcinoma Recurring after Operation*.—Mrs. F. This was a post-operation case resembling No. 3. It was referred to me for treatment by Mr. Cameron. The engorgement was pretty extensive, covering half the chest, and there were some of the glands, superficial ones, above the clavicle affected. She received in all thirteen treatments, 220 minutes' exposure. A somewhat severe though superficial burn resulted which healed up in a couple of weeks. The nodules along line of suture and enlarged glands under the skin disappeared and she left the hos-