

skin, the curative effects were not as good as when low vacuum tubes were used.

The following summary of cases treated is of interest: Two cases of epithelioma of lip, one of six years duration, the other of five months. In both cases the ulcerating surface healed over perfectly. One case had no recurrence seven months after last exposure; the other was still receiving weekly exposures. One case of epithelioma of face of four years duration, producing marked ectropion of lower eyelid and considerable pain and discharge. The pain was almost immediately relieved and the discharge rapidly diminished. The ulcerating surface could not be made to heal over completely, two small areas persisting. Three cases of carcinoma of the breast, one primary and two recurrent. The primary case was of two years duration, very far advanced, and treatment had no effect whatever. Of the recurrent cases, one appeared six years after operation, with discharge from axillary scar and recurrences in scar itself. There were many reddened, hard, infiltrated spots over the chest anteriorly and also over scalpular area posteriorly, associated with oedema and great pain in shoulder and arm. The pain and oedema were greatly relieved, but the general condition steadily failed. The other case recurred six months after operation, nodules appearing in the skin along the line of scar. The area was excised and the skin grafted, but recurrence took place in this area and metastases appeared elsewhere. Although very vigorous treatment was given, no irritability of the skin was produced, and the question is asked: "whether the pigment in a negro's skin might not act as a preventive to a Röntgen ray dermatitis." One case of carcinoma of the lower jaw, involving skin over it and cheek with ulceration of nodules was not benefitted in any degree. Two cases of carcinoma of inguinal glands, one following two and one-half years after excision of a small sore on labium said to be epithelioma, the size of a hen's egg, the skin adherent, and with a discharging sinus. No curative effect was observed. The other case was operated upon for epithelioma of prepuce and right inguinal glands. These were enlarged and were removed. Nine months later a second operation was performed for recurrence in the glands; four months later a third, and four months after, a fourth, when it was found impossible to remove them on account of adhesions to the iliac and femoral vessels. At this time the opposite inguinal glands were enlarged. These glands disappeared and no recurrence in right side has appeared nine months after operation. The case is still having Röntgen ray treatment. A case of sarcoma of pharynx, of one years standing, was not benefitted in any way. A case of sarcoma of the buttock operated upon and recurrence two years later, second operation with recurrence one and a half years later.