

which are quite operable and not too advanced, but where the patients have refused surgical extirpation we have obtained very fine and lasting results.

It is only in case of a formal refusal of surgical help that we have used radium.

One of our cases which was inoperable, the patient being 78 years of age, was treated for the first time in November, 1907, nearly three years ago; it regressed and still maintains its good appearance, thanks to the series of applications given at long intervals.

In one case where the patient has peremptorily refused the extirpation of her breast, I proposed the following combination: surgical extirpation of the entire lymphatic mass and the sub-pectoral and axillary glands, treatment by very intense radio-activity at the point of the section by knife of the lymphatic vessels close to the breast, treatment of the breast itself by cross-fire by applying to the surface several powerful apparatus with filters, and, if possible, the introduction by perforation of a tube into the heart of the tumor. Finally, action of X-rays on the larger operated surface. This again exemplifies how surgery can establish new technics.

In uterine disease radium is of great use. I must say that no other auxiliary to surgery may be offered better than radium. These small, powerful tubes can easily enter into uterine tumors, and in many cases we have had relief, stoppage of blood, of secretions, and, in fact, produced great help. In combining in cross-fire the inside treatment with the outside application of apparatus of the abdomen we have obtained in some cases excellent results.

It must be known that if some cases, like cases of giant-celled sarcoma, respond admirably to the curative influence of radium, there are some others which up to now do not respond so well to radium; the mouth, for example, is a difficult region to treat, either because our technics are yet insufficient or because the region prevents application of sufficient length, the reverses are numerous. Thus for the mouth, more than for any other part, surgery must intervene first.

It is true that there are cases of cancer of the mouth where radium has succeeded; one on the hard palate, regressed more than a year ago, and still retains its good condition.

I come now to another side of the question—the emaniferous methods of which I have already given some hints.

As a certain amount of radium is consumed in utilizing the gas emanation, of course only a small quantity can be practically