

ing the rays Y (such is the method of the "Feu Croisé," of which more hereafter).

By these different methods, of course used according to the nature of the lesions treated, we have obtained cures without any inflammatory reaction resulting, and consequently proved the elective action of radium by very different means.

Indeed, the number of different operative methods is almost unlimited. If direct applications can furnish very different modalities, the ways of "filtering" are as numerous as a man can invent screens; these filters may be simple or combined with the "Feu Croisé" method.

However, all these methods do vary according to the radio-active power selected, according to the surface of the apparatus (dimensions and nature; varnish or cloth, etc.; division of the radium salt), according to the length of the applications and their repetition every day or at regular intervals more or less lengthy, etc. Hence the size of the field open to investigators may be judged.

Sometimes two different methods will produce results with common features. Here is an example of this: We know now that a weak application of rays Y used alone (4000 activity) for from 70 to 120 hours in succession is able to cure as rapidly and without inflammatory exulcerative reaction, a large budding epithelioma as well as this may be accomplished by a dozen hour-long applications with very strong quantities of radium (activity 50,000, 85 to 90% of rays B and 10 to 15% of rays Y).

4. It all comes back finally to a question of dosage. The aim of our experiments is to know what proportions (quantities and qualities) are necessary and sufficient to make the specific action of radium valuable. And if our experiments aim at arranging, facilitating and regulating these proportions, it is they themselves which rule all therapeutics. In fact, progress in radium-therapeutics has been rapid only since the day when, equipped with appliances of a more comprehensive nature, we were able to recognize the radio-activity actually made use of and to establish the first formulæ of quantitative analyses.

But what we wish to remember here is less the value and the history of the methods which make the elective action of radium profitable than the actual demonstration of its elective power.

In support of this we present to the Congress forty-three water-colored photographs which show the regressive evolution of epithelioma at different stages. The cures are made without exulcerative revulsion, as you see.