

the deep, ulcerated surface has filled in and healed over so as to be barely noticeable. At the present time this case seems perfectly well.

CASE 6.—Woman, aged 32, has very extensive lupus vulgaris extending over the entire right side of her face, from the ear up into the scalp, down to the cheek, and back to the angle of the jaw and around to the chin. Various methods of treatment had been tried during many years. In all, she has had fourteen applications of radium, and great numbers of the elevated areas have smoothed down, and there is a great amount of new intervening scar tissue which is soft and pliable. Due to illness, no further applications have been made, and all the healed areas have remained well, so this case gives fair promise of becoming entirely well.

CONCLUSIONS.

From these cases the following inferences may be drawn, namely:

1. That the rays coming from radium, when the same is contained in hermetically sealed tubes placed directly on an ulcerated area, that a slight sensation will be felt in from seven to eight minutes, but when the skin is unbroken, no sensation is felt, even if the tubes of radium remain on for a period of thirty-five minutes.
2. If these tubes of radium are kept on an ulcerated area for a period of thirty-five minutes they produce an increased redness of the diseased part and cause an erythema of the surrounding tissue which may last for several hours or as long as twenty-four hours.
3. That radium rays have caused an ulcerated lupoid area in three cases, an ulcerated area of a rodent ulcer, and two small epitheliomata to heal over, and that these former ulcerated areas have become firm, white scar tissue, which gives them every appearance as though they were healed, and in one case of very extensive lupus vulgaris it has produced such marked improvement that the case may reasonably be considered as healed.
4. That the rays of radium have caused the firm, rough scar tissue in two cases of old lupoid areas to become soft and pliable, and therefore are not as disfiguring.
5. These effects of radium have been very rapid, considering the usual intractability of this class of diseases, and consider-