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## Original Communications.

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### THE TREATMENT OF EPITHELIOMA WITH X-RAY\*

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Sequeira was among the first to treat epithelioma with X-ray. Jonathan Hutchinson, Jr., sent him a patient to be treated with the Finsen light. He used the X-ray instead, securing a cure. Phillip Mills Jones, of this city, was the first in America to use the X-ray therapeutically, having treated and cured a lupus with it in 1899. All my work has been done with coils, and almost all of it with a mechanical interrupter, and the tubes used have been moderately high.

For the protection of the patient, there is used a wooden frame into which are slid large sheets of lead with a circular hole in the centre. The frame is so constructed that it may be placed at different angles and raised and lowered on a standard. It is similar in construction to many devices on the market. Smaller pieces of lead are fitted down over the affected region and pierced so as to expose only the part to be treated. One of the failings of this device is, that it does not permit placing the tube close enough to the patient, as the electrical spark is apt to jump from the terminals of the tube to the frame. My assistant, Mr. Maiewsky, has therefore devised, in its stead, a frame which is very convenient. It is made of copper wire that can be readily bent into any convenient shape and yet is strong enough to bear any lead weight that may be placed upon it. This frame rests on the sofa head on which the patient reclines, and on his shoulders, and as the lead sheets can be bent away from the tube terminals, the spark is not apt to jump. This frame gives a good support to the lead sheets that

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\*Read before the San Francisco Medical Society, January 12, 1901.