

to the lower edge of the tumor the growth measured 4 inches; its width was  $2\frac{1}{2}$  inches. The spleen was enlarged and readily palpable.

The patient acquired an initial sore in March, 1907, and was treated by different physicians until June, 1907. From June, 1907, for three years he was given hypodermic injections of mercury.

After his acute symptoms had subsided Dr. Roth made an exploratory laparotomy and found that the tumor mass was a gumma and was inoperable. The large liver was infiltrated with gummatous masses. The pathological report of a section of the tumor confirmed the operative diagnosis. The wound had almost entirely healed when Dr. Roth kindly turned the patient over to me for the injection of the Ehrlich preparation. A Wassermann reaction a day before the injection was strongly positive. On September 4, 0.3 grm. of Ehrlich-Hata 606 was injected subcutaneously under the scapula according to Michaelis' method. Twenty-four hours after the injection there was already a marked diminution in the intensity of Wassermann's reaction. There were no local symptoms at the site of injection, although a very slight pain was experienced, which disappeared at the end of a few days.

There was a slight rise of temperature ( $100.8^{\circ}$ ) on the ninth day. On September 5 there was a leucocytosis of 10200. There was no change in his general condition following the injection. His appetite improved. The small ulcer at the site of the incision which had not entirely healed when he received his injection was entirely healed on the second day thereafter. On the 9th of September, five days after the injection, there already was perceptible by palpation and percussion a marked diminution in the size of the tumor. The liver also was as markedly diminished in size and the spleen also. There are no changes in his eye and he is gaining in weight. The third day after the injection there was well-marked evidence of still further diminution in the intensity of Wassermann reaction.

On the 14th of September the tumor had diminished fully an inch in circumference and the liver very markedly retracted from the abdominal wall and markedly decreased in size. The spleen was also smaller. There was a leucocytosis of 9200, his urine is negative and his weight has increased five pounds in nine days. He has been examined by several of the visiting staff, as well as by other physicians who were invited to examine him, and all agreed to the remarkable rapidity with which the growth is decreasing. I have never seen a pathological mass melt away so rapidly.