

cons membrane did not appear to be involved in the eruption. The application was made daily, and the case progressed favorably. There were no depressions or marks left on the face. The iodine was also applied to different parts of the body to relieve the itching with very satisfactory results. Did not know whether he had been previously vaccinated.

Case 3.—*Semi-confluent*.—M. M., aetat 7, (private patient,) to whom I was called on the second day of eruption, which had been preceded by smart fever and vomiting. The eruption was profuse, but distinct, over the face and extremities, with few pustules on the body, the mucous membrane free from it. The patient was said to have been vaccinated. She was ordered, as usual, to be painted. She did not make much complaint of the application, although of such tender years. The pustules on the painted part remained small and flat, quite unlike the other parts. Several pustules on the limbs became confluent—the areola rosy. On the 9th day, some of the pustules on the limbs had a hemorrhagic appearance, the scabs on the face were thin, and the secondary fever light. There was little swelling of the face, and no salivation. About the 10th day, she was attacked by rheumatic pains and swelling of the ankles and knees. Her bowels became disturbed for some days; an abscess formed at the ankles, elbow and axilla; these were discharged. Her strength was supported from an early period by nutritious diet—beef tea, arrow root, wine and quinine. About the 21st day of the eruption she began to cough, accompanied by a mucous rale, and profuse expectoration, with great dyspnoea at intervals. An emetic, a sinapism, and pediluvium relieved her for the time. The mucous secretion continued profuse, and her strength failed, and she sank on the 31st day. There were only a few small *superficial* pits on her face, which would not have been very observable had she lived. The irritation from the rheumatism, and the discharge from the several abscesses, together with the profuse tenacious bronchial discharge, and consequent orthopnoea, carried her off. The case would otherwise have been very satisfactory, although the application was commenced later than was desirable.

Case 4.—*Semi-confluent Variola*.—Miss E. M., aged about 18, (private patient), after smart fever, accompanied by severe epigastric pain, intolerance of light, redness of the conjunctiva, and slight sore throat, an eruption of papulæ appeared on the face and wrists. I saw her on the second day of eruption, when it was thickly out over the face and limbs. It soon spread over the whole body, and was very profuse, but kept distinct, except at a few parts. The iodine was applied to the face and back, with so much relief to the patient, from the itching, that she on many occasions made her sister apply it to various parts; in fact I might say it was used all over her body, which circumstance she confessed after