

observations, and particularly in regard to tuberculosis of the respiratory organs. As the effect of the remedy is to produce a necrotic action on the living tuberculous tissue, which has to be thrown off by the system, the best results are to be seen in the tuberculous affections of the outer surfaces, or where the focus of disease has free drainage.

The marvellous results in lupus are the most striking features of the lymph treatment. At Bergmann's clinic cases were to be seen in all stages of treatment, from the first intense local reaction to the freshly formed cicatricial tissue. Two cases of lupus of the face where reaction had ceased with full doses (1 c.c.) were considered cures. One of those, which had healed after 10 injections and had resisted a week previous to my visit, December 24th, had been again injected the day before and presented several nodules of local reaction, showing apparently that the affection had relapsed. One case, after 15 injections, and another after 14, the last being .06 c.c., were also apparently about well. Dr. DeRuyter stated that 4 or 5 cases of joint tuberculosis had showed rapid improvement under the treatment, but I did not make any special enquiry into these cases. In one case of enlarged glands at angle of jaw, sub-acute inflammation had occurred, followed by a decrease in size, but they did not regard it as proof of a cure. As complications they had observed exfoliations of the epidermis, exanthematous and pustular eruptions, even after small doses, and children had diarrhoea and bloody stools.

At Cornet's and Krause's clinic on Ziegelstrasse demonstrations were given by Dr. Friedlander. Three cases lupus, 4 joint affections and some 20 cases phthisis were being treated. One case of lupus, affecting half of cheek, lip and nose, was considered cured, and was having evaporating lead lotions applied to the face to remove the redness still remaining. She had had 17 injections, the first of .01 c.c., on November 13th, and last,

.3c.c. on December 25. No reaction occurred after 13th injection, December 10th, when 1 c.c. was given. On the 25th the dose had been increased to .3c.c. and he intended continuing at intervals of 3 or 4 days, increasing dose by .1c.c. until .6c.c. was reached. The general reaction was usually very pronounced in lupus. He began with .001c.c. and often had very strong reaction with .005c.c. The injections were given every 3rd or 4th day. No antipyretics or medicinal treatment employed. In another case treated first on the 18th December, the reaction and swelling of the face had been intense from .005c. c., given on 23rd; at this date (29th) crusts had formed and been thrown off and a second series covered the affected spots on the face. She suffered from great weakness, severe pains in limbs and back and was considered too ill to be reinjected. Although at the end of the treatment in these cases there is but little elevation of temperature, he advised against suddenly stopping the injections. One patient who had left the hospital for a week came back much reduced. He compared the action of the lymph in this respect to that of morphine or arsenic. From his remarks on this occasion I gathered the following points:—Localized tuberculosis in joints required much larger doses. He begins with 1c.c. Case No. 4 gave no reaction with a first dose of .05c.c.; required 1c.c.; injections were given over hip or deltoid. Reaction usually occurs five to six hours after; in phthisis they found that the reaction was later, may be within 12 but sometimes as late as 24 hours. It was necessary to find this out in each case, so that reaction can be secured during the day. Their experience had been that hæmoptisis was produced in many of the cases; in one where it had occurred three years previously this result followed. Of frequent occurrence also were pleuritic pains in the side affected. He advised always beginning with .001c.c. and not repeat for two days even if no reaction occurred, and then give the same dose. It is a fact somewhat generally experienced that reaction often does not