

peared on the diseased parts about 4 P.M., but none were remarked later than 8 P.M.

Dec. 21st.—At 10.45 A.M. patient was injected with $\frac{1}{10}$ ccm. of same dilution of lymph. The temperature had just regained the normal from yesterday's rise, and patient was experiencing headache and nausea. The blush on the right cheek was nearly as deep as the previous day. Following this injection no definite change was noted. The temperature was above normal all day, the highest point reached being 101° at 5 P.M. Patient felt miserable all day with headache and nausea. The diseased areas remained deeply injected, but showed no necrotic change.

Dec. 22nd.—At 11 A.M. $\frac{1}{10}$ ccm. of the same solution was injected. The beginning of the rise in temperature was delayed, not occurring till 6 P.M.; and the highest point reached was only $100\frac{3}{4}^{\circ}$ at 12 P.M. But at 7 P.M. both cheeks were markedly erythematous, and the surfaces of the diseased patches on the face a dark red. At this time the patient had much nausea.

Dec. 23rd.—No injection was repeated to-day, as the temperature was still 100 in the morning. Patient was feeling heavy and dull,—out of sorts generally. The tongue was still moderately coated. The diseased areas on the face showed distinct changes. There was some elevation of their surface, with much increase in the heaping up of scabs. In a few places deeply-seated yellowish-white spots the size of a hemp seed were seen, indicating necrotic changes. One of the patches, on the back of the left hand, discharged a small quantity of sero-pus and began to scab.

In addition to the foregoing, the following cases have also been put under treatment, but are not yet ready to be reported:

A case of chronic cystitis was injected for diagnostic purposes.

A case of moderate tuberculous involvement of the lungs with anaj fistula.

A case of tuberculous testicle in a child, with disease of the bone in addition.

In none of these six cases has Koch's dose for lupus of .01 ccm. of the original lymph been reached, the nearest approach to it being $\frac{6}{10}$ ths of that quantity. The dose started with is that recommended for phthisis.

The treatment has only been begun in these cases, and the foregoing notes merely show some of the earliest symptoms. Results, definite in character, will be looked for later on.