

appearance of the chromaffin substance. In the first case there are no anomalies in organs embryologically related, such as the brain and the chromaffin tissue development either as suprarenal nor vegetative ganglia. In the second case some parental diathesis plays a part, such as syphilis, alcoholism, or tuberculosis, and is responsible for the congenital medullary substance of the suprarenals.

Heise, F. H., and Brown, L. EPINEPHRIN HYPERSENSITIVENESS IN DEFINITE AND IMPROVED PULMONARY TUBERCULOSIS. [Am. Rev. Tuberculosis, October, 1920.]

A study of cases of pulmonary tuberculosis and of cases in which a diagnosis of pulmonary tuberculosis had been made which showed a hypersensitiveness to injections of epinephrin was made by Heise and Brown. The epinephrin reaction was twice as frequent in the non-tuberculous as in the tuberculous cases (14 and 29 per cent., respectively). Activity of the pulmonary focus, as determined by symptoms, played little, if any, part in occurrence of the reaction. Presumptive inactivity, as interpreted by röntgenoscopy, was accompanied by epinephrin hypersensitiveness about two and one half times as often as when activity was present. The occurrence of tubercle bacilli seemed to be associated with a less frequent reaction than when tubercle bacilli were absent (10 and 17 per cent., respectively). No patient with a history of pleurisy with effusion reacted to epinephrin. As the extent of the disease becomes greater, the tendency to react to epinephrin apparently diminishes (27 per cent., 15 per cent., 9 per cent.). Tuberculosis colitis apparently does not promise epinephrin hypersensitiveness. [J. A. M. A.]

Klewitz. EXOPHTHALMIC GOITER. [Deutsch. med. Wochenschr., August 26, 1920.]

Klewitz states that at the Universitätsklinik at Königsberg non-operative treatment is not considered for exophthalmic goiter when malignant degeneration is suspected, or colloidal or cystic degeneration, or the goiter is causing symptoms from pressure on the trachea or esophagus, and in general, in old, chronic cases. The cases selected for nonoperative treatment are the abortive cases (*formes frustes*), the acute and subacute cases, cases with cardiac insufficiency or other complications that make operative intervention seem inadvisable, and, finally, cases in which an unsuccessful operation has already been performed or operation has been absolutely refused. Some have reported good results from using the serum of thyroidectomized rams, the meat of thyroidless animals or the serum of myxedema patients, but more have reported failures. Klewitz thought he saw good effects from the serum of thyroidectomized rams when combined with other measures, but he thinks