

disease. Now Kocher, in cases of Graves's or Basedow's disease, ligates three arteries; in one case, where four were ligated, tetany developed. There was one death from chloroform in the first 100, and none in the next 900. He advises cocaine anæsthesia if there be much dyspnœa. The surgical treatment of Graves's disease by excision of the thyroid, partial or complete, has been practised considerably of late, and many cases of cure have resulted. In some cases where the whole gland has been removed myxœdema has resulted, but has been cured by the administration of sheep's thyroid. In some cases sudden death has occurred after operation on the thyroid in Graves's disease.

Bronchoceles are of very many varieties. First, and most common, are the cystic. The cysts may either contain fluid or colloid material. The fluid may be all colours, from a straw yellow to a dark brown—the latter colour probably caused by blood extravasation, and containing cholesterol crystals. The colloid cysts are almost colourless. These solid, or semi-solid, thyroid tumours have a distinct fibrous capsule, and are composed of vesicles filled with colloid matter and lined with cubical epithelium. The cyst wall is made up of several layers with atrophied gland tissue between; there is the evidence of the coming together of vesicles by atrophy of the intervening wall.

Many of the fluid cysts have solid matter in masses at the base; not infrequently the cysts are multiple; the most favourable cases for operation are those in which we have unilateral cysts.

Secondly, diffuse bronchocele. Where the enlargement of the gland is diffuse no special growth can be made out, but the gland is evenly enlarged. Such cases are also due to an excess of colloid matter in the vesicles, and are not so favourable for operation as the cystic. It is customary in these cases, first, to treat the patient by the administration of thyroid extract gr. v thrice daily, and the good results are often very surprising. I have now a patient under treatment with a very large diffuse thyroid, where the neck has diminished five inches in size the last three months. In some cases the gland has diminished so much by this treatment