

When puncture of the bladder is required, Mr. Lund prefers the suprapubic method. "It is," he says, "cleaner, and an instrument can more easily be retained."

In infants, circumcision should always be performed, he thinks, when the prepuce "balloons out" during micturition. Otherwise the straining tends to cause inguinal hernia. When a hernia has been produced Mr. Lund prefers the "worsted truss."

A case of vesical calculus was described in which the symptoms of stone were marked by enlargement of the prostate. The stone was kept from pressure on the collapse of the bladder, and perhaps kept in one place by its shape, it having become moulded to the neck of the bladder above the base of the prostate. Another case was mentioned in which the converse occurred, viz., a stricture far back in the membranous urethra caused such dilatation of the prostatic portion as to set up symptoms of calculus, which subsided on division of the stricture. An interesting case was referred to by the lecturer, in which a "click" was heard on introducing a metallic catheter into a woman's bladder, after a sound had failed in producing any. It was afterward found that this only occurred when the stream of urine was stopped by placing the finger on the mouth of the catheter. The bladder possessed great expulsive power, and while the urine flowed freely there was no sound. —(London Letter.)—*N. Y. Med. Record.*—July 18th.

THE FUNCTION OF THE THYROID GLAND.—Most works on physiology pass over the thyroid gland with a very superficial mention. It is said to exercise some part of importance in fetal life, no one knows what. In extra-fetal life it is said to partially atrophy, and to be merely a useless organ to the adult—rather worse than useless as in goitre it becomes inconvenient, and sometimes dangerous.

This shows how little we know about human physiology. Recent researches have shown that the thyroid gland has an intimate and all-important relation to the highest functions of man, those of his brain. This fact was first developed by the extirpation of the gland in goitre, a proceeding which, according to the received views, ought to be wholly indifferent to the economy. Such is far from the case. After the total extirpation of the gland, the subjects steadily lose their mental vigor; the features become heavy; the speech slow and dull; the muscular system weakens, and the skin turns rough, thick, and hard; in short, a condition gradually supervenes strikingly like that called by Charcot *myxœdema*, or the pachydermatic cachexia. They become *cretins*.

If ever so little of the gland remains, it is sufficient to prevent these changes; but its complete

removal surely entails them. Experiments on dogs and cats yield similar results. The animals do not long survive, but are attacked with convulsions, somnolence and paralysis, which prove fatal.

Two theories have been advanced to explain these changes. One is that of Leibermeister, who maintains that the thyroid gland is the regulatory organ of the encephalic circulation, and that its abstraction throws this into chronic disorder. The other is that of Prof. Bruns, of Tübingen. He believes that the thyroid is either a depuratory gland which excretes certain substances poisonous to the nervous system, or that it fabricates certain substances indispensable to nervous vigor—which of the two he is uncertain.

The very important practical conclusion remains uncontested, that in all operations for goitre, a small portion of the gland should be allowed to remain.—*Med. and Surg. Reporter.*

TO PREPARE SURGICAL SPONGES.—The following is Mr. Lawson Tait's method of preparing the sponges, and but one person is trusted to do this: New sponges are first put into a large quantity of water with sufficient muriatic acid to make the water taste disagreeably acid. They remain in this mixture until all effervescence has ceased and all the chalk is removed. For this purpose it may be necessary to renew the acid several times. The sponges are afterward carefully and thoroughly washed, to make them as clean as possible and free from every rough particle. After being used at an operation, they are first washed free from blood, and then put in a deep jar and covered with soda and water (one pound of soda to twelve sponges). They are left in this about twenty-four hours (or longer if the sponges are very dirty), and then they are washed perfectly free from every trace of soda. This takes several hours' hard work, using hot water, squeezing the sponges in and out of the water and changing the water constantly. Leaving them to soak for a few hours in very hot water greatly assists in the cleansing. When quite clean, they are put in a jar of fresh water containing about one per cent. of carbolic acid, and after being in this way for twenty-four hours they are squeezed dry and tied up in a white cotton bag, in which they are left hanging from the kitchen ceiling (being the driest place in the house) till they are wanted.—*American Journal of Obstetrics.*

THE TREATMENT OF WHOOPING COUGH.—In his summary of treatment, in a clinical lecture delivered at the Philadelphia Hospital (*Medical News*), Dr. John M. Keating emphasizes the value of the steam spray and of the atomization medicated solutions, among which he ascribes value to Dobell's solution, eucalyptol, and thymol. With the bichloride he advises caution. Corrosive sublimate, which is now used for almost everything,