Symme, operate often for this disease, I determined to follow the plan he advised. I accordingly evacuated the contents of the tunica vaginalis, by plunging a small trocar into the sac, grasping the organ below, between the thumb and fingers of the left hand, so as to fix and distend the tumour. In making the plunge with the trocar, you must bear in mind that it should be slightly downward, so as to avoid the testicle, which is generally situated posteriorly and near the median raphé. Having the contents evacuated. I injected, by means of a glass syringe, about a drachm of the compound tincture of iodine, of the strength of 72 grains of iodine and 24 grains of iodide of potash to the ounce of alcohol. With my left hand I then seized the bag, and kneaded it so as to bring every part of the sac in contact with the iodine. The pain for a few minutes was very great, but soon subsided. The patient was put to bed, and the bag supported on a small pillow. The following day there was considerable swelling, which, however, gradually subsided, and in ten days the patient was allowed out, and a few days later was able to get to his work. I have notes of fifteen cases like the above, where iodine was used for the radical cure. All were cured by the first injection except three cases, two of which required a second injection and one a third injection before the case was complete. In only two cases was there severe inflammation following the injection. It was, however, easily subdued by a solution of sugar of lead and opium. All the cases were obliged to rest in bed after the operation, but in not any of the cases did this rest exceed two weeks, and in several only a few days. Modern surgery seldom uses the means I have detailed. generally pins its faith to alcohol, a five per cent. solution of carbolic acid, corrosive sublimate, sulphate of zinc, chloride of zinc, none of which are in my opinion equal to the plan I have invariably followed. A few years ago a surgeon, with an unpronouncable name, recommended, after having evacuated the fluid, to introduce through the canula a catgut three and twenty centimetres (about nine inches) in length. This thread induces, by mechanical irritation, an adhesive inflammation of the serous surfaces, a vagina-