

the same for the next three days, temperature reaching 101.2, and finally as high as 103½; pulse, 108; respirations, 30. Physical examination revealed a systolic murmur at the apex of the heart. It was not traceable to the axilla, but was heard at the base and up into the neck. Temperature kept up for several days and then dropped to normal, gradual recovery taking place. He was discharged from the hospital in twenty-one days. Pathologically considered, the Doctor believed the course of events was as follows: The lodgement of the gonococcus in the urethra produced the purulent urethritis; then the organisms gained entrance to the blood stream, and were carried throughout the body, producing a mild form of septicæmia, evidenced by the chills, fever, pains and vomiting, there being no local condition sufficient to explain it. Some of the organisms deposited in the testicle caused the orchitis. Their presence in the blood produced the endocarditis. The gonococcus often was the only organism present in gonorrhœal rheumatism. The only way it could reach the joint was through the blood stream. These organisms were responsible for certain cases of spinal meningitis, pleurisy, etc. The Doctor then gave a resumé of the bibliography of the subject, all of which went to show that the gonococcus may produce a great variety of pathological conditions in the system.

DR. BAINES asked if the vegetations were due to the direct action of the gonococcus or to rheumatism. He also asked if the murmur was still persistent.

DR. PRIMROSE said that the reader had classified this case of endocarditis with the condition found in gonorrhœal rheumatism. In ordinary gonorrhœal rheumatism the affection of the joints did not occur in the acute stage but at a later period, when the gonorrhœa had become chronic. He pointed out that gonorrhœal rheumatism seldom goes on to suppuration. He asked, in the case reported, if the whole testicle was involved, or merely the epididymis. In most cases the epididymis alone was affected.

DR. COOK asked for the treatment of the urethritis.

DR. ANDERSON said that the murmur was present when he examined the patient last. He said that the rheumatic tendency favored the deposit of the gonococcus in the system. The vegetations were the result of the inflammatory process produced by the presence of the gonococcus. Cultures flourished more vigorously in acid mediums. The time at which the joints were affected depended entirely on the time of entrance of the organism into the blood stream. Perhaps it took a considerable number to set up the inflammation. He said that the orchitis affected the whole of the testicle. He had not super-