

at this juncture. The slide is immediately blotted and flooded with Lugol's solution.

The "Lugol." The formula has been given above and it is applied for precisely two minutes.

The Alcohol.—As soon as the slide is removed from the Lugol solution it should be washed with absolute alcohol for precisely thirty seconds.

The Contrast Stain.—After using various more or less satisfactory counter-stains, the following has given the best satisfaction:

Carbolic acid 2 parts
Saturated aqueous solution of Bismarck brown...98 parts

If the decolorized smear is covered with this solution for three or five minutes and then rinsed in water, it acquires a light brown tint, and under the microscope the cells and gonococci appear yellowish and in marked contrast to the deep purple, almost black pseudogonococci. A more prolonged staining with the brown gives the gonococci a deeper color, which is not so readily distinguished from that of the pseudogonococci.

Such is the technique of staining the gonococcus, which may be employed by anyone having an elementary familiarity with medical microscopy, and which may be depended upon to furnish accurate results, if followed accurately. The essentials likely to be overlooked are the employment of *Grubler's* violet, *precise* staining, by the watch, employment of *absolute* alcohol, and exclusion of *all* water until after counter-staining.

(*Note*—The above technique is taken from the latest work by E. L. Keyes Jr.)