kidney rather than the bladder, at least, all attempts to this end are too speculative to be admitted to a space among the positive informations furnished by microscopic examination of urne.

Among the causes producing albuminous urine without the presence of casts is the presence of pus, and although the same corpuscular element attends which is found in mucus, the albumen never accompanies mucus alone, while the distinctive characteristic mucin threads developed on the addition of acetic acid to mucus furnishes the crucial information. This is apart from the physical characters of purulent urine, involved in the ready miscibility of the pus with the urine, its rapid subsidence and opacity as distinguished from the difficult miscibility of mucus, its transparency and slow deposition after mixture has been produced. Although albuminous urine, which is due to pressure upon the renal year by a tumor or pregnant uterus, sometimes contains casts when the obstruction has produced actual congestion, this is comparatively rare, and the comfort which is derived by the mactitioner from a knowledge that the albuninous urine of a pregnant woman does not contain casts, which the microscope alone can tell him, is unspeakable,

Urine which contains blood, from whatever source derived, is also albuminous. Except, however, when blood corpuscies are contained in casts of the uriniferous tubules, which indicates their undoubled renal origin, it can scarcely be claimed that the microscope is of much service in determining the exact source of the blood. It is rather the grosser characters, as the presence of coagula when blood is derived from the bladder, and the smoky hae of acid urine containing blood from the kidney, that gives us the desired information.

It is comparatively rare that albuminous urine results from affections of the bladder and prostate, except as the result of hemorrhage in malignant disease of the latter organs. In non-hæmorrhagie malignant disease, attended by supportation and rapid destruction of tissue, the unite may become impregnated with albumen, which will be explained by the presence of pais, and occasionally of fragments of tissue composed of the large multi-nuclear cell-masses formerly considered so characteristic of cancer. In these cases, the almost inevitable though not indispensable accompaniment of vesical imtation will point to the bladder rather t in the kidneys.

In the limited number of instances in which I have been permitted to examine the urine of patients who, as revealed by a post nortem examination, suffered with cancer of the kidney, although albumen has been invariably present, I have never yet seen the cellular or other elements of cancer-nor, indeed, in cases of cancer of the bladder, though, in the latter, other observers have undoubtedly been more fortunate.

B. Non Albuminous Urine. - It must be admitted that the purely microscopic study of non-albuminous unne is not attended with so 3