

unrecognizable. In patches here and there, it is even hyaline. This layer merges rather suddenly into the next, viz ,

The *vascular* layer, which contains most of the blood-vessels. These vessels are both numerous and congested, a few being thrombosed. More or less extensive hemorrhages have taken place into the perivascular tissue, which is very granular.

In the fourth or *musculo-granular* layer, muscular tissue may be seen in various stages of degeneration. In one or two places it appears as bundles of fairly normal tissue, but the bundles are isolated in the midst of granular débris, the tissue here being very open in structure.

*Structure of the Normal Bladder.*—As all here are well acquainted with the structure of the normal bladder, I will dismiss it in a few words.

1. When the bladder is distended, the peritoneal coat extends over the superior and posterior surfaces, as well as the upper parts of the sides, but when the organ is collapsed, it merely covers its upper aspect.

2. The sub-peritoneal coat consists of areolar tissue, and is of varying thickness.

3. The muscular coat consists of three layers, viz., external longitudinal, middle circular, and internal longitudinal. Of these three layers, the first two are well marked, but the last is poorly developed, and at parts some fibres run obliquely.

4. The submucous coat consists of areolar tissue, together with elastic and connective tissue fibres. This coat contains most of the blood-vessels.

5. The mucous membrane consists of transitional epithelium, with a few mucous follicles and racemose glands in it.

The blood-vessels enter the bladder from the base, with the exception of the superior vesical arteries, which run through the upper parts of the posterior false ligments of the bladder.

*Nature of the Process.*—The process described above has received various names from different writers upon the subject, such as “croupous” or “diphtheritic inflammation of the bladder,” “exfoliation of the bladder,” “exudative cystitis,” “plastic cystitis,” etc., none of these terms indicating the pro-