

Make also a searching examination of every contiguous pelvic organ. If there is a myoma or an ovarian tumor or a pelvic inflammatory mass pressing on the bladder and interfering with its proper evacuation, take the tumor or the mass out.

Another patient with a bad pyuria whose kidney was to be taken out, I found had a small septic dermoid cyst opening into the bladder by a passage; the removal of the tumor and the closure of the orifice cured the disease and saved her from a serious mutilation.

In any obstinate case, especially if it is one of lesser degree, always remember that the source of constant reinfection may reside up in the pelvis of the kidney. If you find tubercle bacilli associated with a cystitis you may be sure that in nineteen cases out of twenty the primary focus is in the kidney.

As we consider the active treatment of a cystitis, let me urge two important factors which serve as controls in testing progress towards recovery.

1. A careful preliminary examination and description of the local condition as seen through the speculum, on the interior of the bladder sphere. If there is any marked improvement examinations from time to time will show it by the variations of color, and in the extent of the lesions.

2. The taking of a measured quantity of fresh urine, say three platinum loops, and spreading this on the slant agar, and then counting the colonies which grow out, as a means of testing the reduction of the amount of infection. These individual foci will often be found to diminish progressively from countless to discrete, to perhaps 100 to 15 or 20 to 2 or 3, to finally none at all. Several sterile cultures ought to be secured before the case is considered free of any risk of relapse.

Let us now consider our resources in dealing with a particular case. They are: Systematic treatment, medicines by the mouth, injections into bladder, direct topical treatments of the vesical walls, surgical treatment including incision of the bladder, and excision of the disease.

*Rest in bed* is of the most importance, for this reason: I can always do far better for a case if I can get her into my hospital, with rest associate regulated diet, tonics, the due regulation of the bowels, and massage and baths.

*Medication by the mouth.* Large quantities of bland water is a valuable remedy here as in ordinary pyelitis. The virtue, I think, in the various lauded waters resides in the pure aqua potabilis which they contain, and not in the various salts shown in the analysis. Some patients will take, however, with better grace three or four pints daily of a water which is imported in a big bottle with a sounding name, than the simple