

crete, 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.

*Medicine by the Mouth.*—Large quantities of bland water is a valuable remedy here as in ordinary pyelitis. The virtue, I think, in the various landed waters resides in the pure aqua potablis 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 but equally efficacious spring water from a home source. It is the old tale of the bread pill and the placebo.

Urotropin in 5 to 10 gr. doses is of value in the more recent cases, especially where there is a tendency to alkaline changes. (Nicolai.)

The citrate of potash is valuable where the urine is too acid, while boric acid is of use to make the urine acid.

There is some advantage in reversing the chemical reaction of the urine under which the organisms are flourishing, though not so great as one would have anticipated.

Cantharadin has been used by Freadenberg with the greatest benefit, in a series of 56 cases, curing 32 rapidly. The Px is Canth. (Merck.) 0.001 in 1.0 alcohol dissolved in 100 water. Take three or four times a day in teaspoonful doses.

I use also fluid extract of corn silk (*Zea mais*) in teaspoonful doses with advantage in the amelioration of the symptoms.

Irrigations form, perhaps, the most important means of treatment at our command, and with irrigation it is well to combine *distention* of the bladder.

The simple daily cleansing of the bladder in this way is of the