

surgeons try and do pass instruments day after day for a lengthened period.

As to the lubricant to be used, I think few surgeons in the present day would use one that does not contain a germicide or antiseptic in some form, for the evidence is so greatly in favor of the view that decomposition of urine is due, in all cases, to the introduction of microscopic organisms from without, and that these organisms find their way into the bladder frequently by instruments introduced by the surgeon. If introduced, the consequences of putrefaction extending to the kidney are so grave that the surgeon who neglects to use them incurs a heavy responsibility.

I have tried cocaine as a local sedative to overcome the painful and disagreeable sensation during the passage of instruments, and also to thereby lessen the instinctive muscular spasm so produced. I find it acts very satisfactorily. Half a drachm of a four per cent. solution injected into the urethra, and held there some minutes, unquestionably facilitates the introduction of instruments. In one case, I am sure, it enabled me to pass a small instrument which I am doubtful if I could have done without using it. In another case it reduced much the fever following the use of instruments. In this case the stricture was the result of injury to the perineum by the patient's falling on the wheel of a carriage. An endeavour was made by a surgeon to pass instruments, but without success. Three or four days afterwards he came under my care, and with cocaine I passed No. 2.5 conical steel sound, and finding that he seemed to suffer very little I passed the rest up to No. 12.

After the first attempt his temperature at night rose to 105°, and he had great general discomfort. After the dilatation with cocaine anæsthesia his temperature rose only to 101.3°, and the general discomfort was slight.

Strictures complicated with fistula in perineo I have also successfully dilated and temporarily cured. Cases which, due to loss of tissue, and constant inflammatory action over a considerable area of perineum, are not usually the most promising for simple dilatation, but frequently require some operative interference, urethrotomy, or generally external perineal section.

I said temporarily cured, because I think most surgeons find that, no matter in what manner the strictures may have been dealt with in order to effect a cure, such a state of full dilatation does not remain. Slowly, but certainly, the strictured part contracts and requires to be kept patent probably for the rest of the patient's life.

I have advocated in this paper but one method of treating strictures, and I have done so purposely. I believe that to the great bulk of practitioners in Canada this mode of treatment is most available, most simple, most safe; and in many cases of urethral stricture, especially those in the neighborhood of the bulb, I feel confidence in advising a trial of interrupted gradual dilatation. Again, the limits of such a paper as this forbids entering into the merits and demerits of all the ways and modes of treatment. I am aware that many may prefer to combine dilatation and internal urethrotomy, especially in tough undilatable strictures in anterior portion, or in those cases in which, owing to grave constitutional symptoms, which may occur as a result of dilatation compel it to be thus modified, or in cases where contractility or resilience is strongly marked, and all our efforts at dilatation are neutralized by this peculiarity.

I am inclined to believe that internal urethrotomy is not yet undertaken by many, because they fear the possibility in unpracticed hands of very serious consequences; for it cannot be denied that incision of the urethra is not infrequently followed by special dangers, chief among which are hemorrhage, urinary fever, extravasation, and abscess, as well as blood poisoning in all forms of pyæmia, septicæmia, phlebitis, embolism, and thrombosis. Others, again, neglect to give a trial to the simpler and safer method, preferring to incise each and every case of organic structure of the urethra, quite independent of site, character, or anything else. I do think that though I am privileged to open the discussion, and in doing so strongly advocate dilatation, our good president will not object to any member favoring us with his view on urethrotomy, internal or external; dilatation, gradual or interrupted, or continuous; by splitting rapidly, by electrolysis or any other recognized method.