

The friend must interfere or else the man is lost ; but if he rush unskilfully to his aid he may cause him to stumble and so actually hasten his end, although by a very brief period of time ; or the man may already have lost his equilibrium, the most skilful aid is unavailing and he falls, and in failing may drag his would-be saviour with him." In other words, the on-lookers, ignorant of the danger, may attribute the loss of the patient to the surgeon and his catheter, and the surgeon's credit, dear to him as his life, be gone. Therefore with regard to prostatic catheterism it is incumbent on us to act from the very outset cautiously and judiciously, that no one may have occasion to reproach us.

What is it, it may well be asked, that makes catheterism in these cases so fraught with danger at times. The reason is that it may be followed by fever of varying intensity. In one case slight, in another serious or even fatal. This causes us to further inquire : What is the cause of this fever that may be so serious ? so that we may try and prevent it or lessen its severity. The starting point of irritation being the catheter, some have ascribed it to septic invasion of the kidney, due to the introduction from without of septic matter on the instrument. That this can and does happen I firmly believe. I like to carry it always in mind, and by my actions eliminate it as a cause, but that it is frequently a cause, I do not think.

Of course, if the urethra be torn or injured by the introduction of instrument, absorption of septic products might, and probably would, result in fever, just as a breach of surface anywhere in the body ; but we know that this fever may follow the most skilful catheterism conducted with the most strict antiseptic precautions. The theory advanced, that this is due to absorption of urine, through the injured mucous membrane of the urethra, is not tenable either, except in the rarest of instances.

The most probable explanation is, that the fever is the result of shock to the sensitive excretory apparatus of the kidney through the nervous system. That the connection between the genito-urinary organs, and the cerebro-spinal and sympathetic nervous systems is extremely close, can readily be illustrated in cases where the shock of an instrument passed is sufficient to cause complete suppression of urine, even for 24 hours.

In many cases the shock to the kidneys is with-

stood, the resulting constitutional disturbance overcome, and the patient after a time recovers. In all cases, probably, this is the result where the kidneys are healthy at the time of catheterism ; this is much more likely to be their state when the obstruction to the outflow has not existed very long. Now, I do not know how we can, by examination of the urine, tell what the exact state of the kidneys is, whether they are sufficiently healthy to bear the shock, so the lesson is brought home very clearly to us, " Use the catheter early in the disease."

I am aware some cases of enlarged prostate only suffer from occasional more or less complete retention, and therefore require only the occasional use of the catheter. The use of instruments will, sooner or later, be demanded in all likelihood by some strong emotion or sudden congestion, or other similar cause, rendering the bladder unable to expel its contents. But these cases are usually compelled in the end, as are the great majority of cases of enlarged prostate, to regularly use the catheter, and they require to be taught to pass it for themselves once, twice, or more frequently per day, and not to trust to the surgeon's visits.

We plan, then, our measures to reduce the shock of passing the catheter, occasional or habitual, as the case may be, to a minimum, and to do that I think we ought (1) To use a soft, flexible catheter, preferably the highly polished silken-webbed gum catheter of the Coudée pattern. (2) To use an antiseptic lubricant, either carbolic acid and oil, or carbolic acid and vaseline, or Lund's oil, or some like preparation. (3) See that the catheter used by the patient is at all times kept most scrupulously clean. (4) Use some sedative to soothe the nervous system, either a single dose of morphia shortly before the passage of the instrument, or quinine and morphia administered in several doses for some days before. As a local sedative, cocaine, to me, does not seem so applicable as in cases of stricture, for it is to the deeper parts of the urethra chiefly that we wish it to be applied, and this cannot be done without using a urethral instrument.

One other point I would mention in these cases of prostatic disease. It is that the bladder, after the habitual use of the catheter, requires to be washed out. Urine in the later stages may accumulate in pouches, and the catheter may not be able to evacuate it entirely ; it decomposes, and the unpleasant effects of this are best met by thorough irrigation of the viscus. In doing this, we should be careful not to allow the entrance of air into the bladder, nor to use any force with the injection. This is easily and conveniently managed by attaching to the catheter, already passed, a rubber injecting bottle, of the capacity of three or four ounces, by means of a piece of tubing, filling