

ReMeEx DEVICE (EXTERNAL MECHANICAL REGULATOR) FOR INCONTINENCE: IMPLANTATION AND REGULATION PROCEDURE, COMPLICATIONS AND RESULTS AT 2 YEARS FOLLOW-UP

Synopsis of Video

Aims

We present our experience in the treatment of female stress urinary incontinence by a new device called ReMeEx. It means External Mechanical Regulator, a microdevice for incontinence made up by a microregulator like an endless screw moved by a mini special screwdriver.

The Prolene suture of the Polipropilene sling are connected to the regulator so that they can be stressed or relaxed adjusting the tension of the suspension. The opportunity of the regulation prevents retention, being adjustable never needs to be removed and more over it makes no more necessary a reoperation in case of relapse because the regulation can always be performed simply reconnecting the screwdriver to the regulator by means of a little incision in local anaesthesia.

Methods

A soprapubic incision will receive the regulator. By a fingerguide percutaneous-vaginal approach the needles are inserted to take the suture of the sling to be transferred in the soprapubic region where is located the device. It follows a cystoscopic check. The urethrovaginal septum is tunnellized for the positioning of the sling. The sutures are inserted into the regulator. The epidural anaesthesia makes it possible to perform an intraoperative stress test followed by the suspension regulation to obtain continence. Since the day after, completely without anaesthesiological effects, the last regulation can be assessed, just by standing, under real effort, not laying and simulating in operatory room.

Results

The procedure is new, therefore the experience is at the beginning in number (12 patients) and follow up (2 years). The up to date serie and follow up of our experience allow to report only preliminary results on the safety and effectiveness of the procedure (11 cured; 1 removed for infection; 2 transitory urge).

Conclusions

Positive comments can be expressed on the functional features of the device, the External Mechanical Regulator of the suspension significantly reducing complications, defects and above all making it no more necessary a reoperation in case of recurrence, therefore it seems ideal for patients relapsed after surgery for whom it must be cared to prevent other relapse.