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1 VIDEO ARTICLE

2 Transobturator vaginal tape in 10 steps

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22 or presented at any congress and it is not under review at any journal.

23 **Precis**

24 Standardization of the TVT-O procedure in 10 steps could be useful for obtaining a shorter
25 learning curve and for reducing, as much as possible, the complication rate.

26 **Abstract**

27 **Study objective:** Transvaginal Tension Free Vaginal Tape-Obturator (TVT-
28 O) is an effective surgical treatment for stress urinary incontinence in women¹.
29 A correct preoperative urodynamic study has a role in obtaining best results.
30 However some complications still occur during and after this surgical
31 procedure. These complications cause a high burden for patients, who
32 frequently have to receive others invasive treatments subsequently. The main
33 objective of this video is the standardization and accurate description of this
34 surgical procedure adding some tips and tricks.

35 **Design:** Step-by-step description of the technique through a video. The local institutional review
36 board was consulted and ruled that approval was not required for this video article because the
37 video describes a technique and does not report a clinical case. The patients cannot be
38 identified and they signed a written consent to use of video recording for
39 research/scientific/teaching purpose.

40 **Setting:** A French tertiary care teaching hospital.

41 **Patients:** We considered video recording of TVT-O procedures in the same French tertiary care
42 teaching hospital.

43 **Intervention:** We identify more delicate steps of this surgical procedure in order to
44 give advices for managing them successfully. Moreover we assess 10 rational steps in the

45 procedure, which can help to standardize it.

46 **Measurements and Main Results:** This video presents clearly the standardization of this
47 technique in 10 step: 1. Patient's ergonomics, 2. Anesthetic infiltration, 3. Single vaginal
48 incision, 4. Creation of the pathway for device placement, 5. Placement of the
49 device, 6. Check flat position of the tape, 7. Obtain right tension of the mesh,
50 8. Cut both lateral arms of the tape emerging from the skin, 9. Urinary
51 drainage to exclude stenosis, 10. Suture vaginal mucosa and skin.

52 **Conclusion:** Together with an appropriate preoperative study, the
53 standardization of this surgical procedure and the application of tips and tricks
54 suggested could make this technique easier to learn for beginners² and could
55 help experienced surgeons in reducing, as much as possible, the most
56 frequent complications too³.

57 **Keywords:** urinary incontinence, transvaginal tension free vaginal tape –
58 obturator, TVT-O, 10 steps.

59 **References:**

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70 **Concise legend (attached to the video):** Description in 10 steps of the
71 surgical procedure: transobturator vaginal tape.