

Start	End	Topic	Speakers
16:00	16:05	Introduction to the Workshop	Victoria Asfour
16:05	16:20	Outcome measures in evaluating SUI outcomes	Stergios Doumouchtsis
16:20	16:30	Pre-operative work-up assessment	Victoria Asfour
16:30	16:40	Peri-urethral bulking agents	Gamal Ghoniem
16:40	17:00	Colposuspension	Wael Agur
17:00	17:20	Autologous fascial slings	Simon Emery
17:20	17:30	Questions and discussion	Victoria Asfour Wael Agur Simon Emery Gamal Ghoniem Stergios Doumouchtsis

### **Description**

This workshop was conceptualised and based on the paper by Haylen BT 'What if there were no more tapes?'. At the time of publication, this was a theoretical exercise, which went to become a reality in the UK. There are additional challenges of managing patients with recurrence of stress incontinence after mesh removal.

Thorough pre-operative assessment has been discussed in the 2017 ICI-RS paper, including urodynamics, imaging and urethral assessment (Robinson D et al 2017).

We have a highly experienced international faculty discussing non-mesh stress incontinence surgery that have published widely in this area.

### Key learning points:

- Comparative data on different stress incontinence procedures
- Understand pros and cons of the different procedures and contraindications
- Practical tips and tricks of autologous fascial slings, Colposuspension and periurethral bulking agents

### Take home messages:

- Evidence base outcome measures for stress incontinence, Mr Doumouchtsis
- How to use patient decision aids (PDAs), Mr Agur
- Periurethral bulking agents, Mr Ghoneim
- Pre-op urodynamics, imaging and urethral assessment, Miss Asfour
- Cochrane meta-analysis on colposuspension data, Mr Agur
- 12yr follow-up RCT data for autologous fascial slings, Prof Emery

Members of the faculty have published on the topics presented.

### References:

Haylen BT, Lee JKS, Sivagnanam V, Cross A. What if there were no tapes? *Neurourol Urodyn*. 2018 Jul.

Robinson D, Thiagamoorthy G, Ford A, Araklitis G, Giarenis I, Cardozo L. Does assessing urethral function allow the selection of the optimal therapy for recurrent SUI? Report from the ICI-RS 2017. *Neurourol Urodyn*. 2018 Jun;37(S4):S69–S74.

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Agur W, Riad M, Secco S, Litman H, Madhuvrata P, Novara G, Abdel-Fattah M. Surgical treatment of recurrent stress urinary incontinence in women: a systematic review and meta-analysis of randomised controlled trials. *Eur Urol*. 2013 Aug;64(2):323-36.

Morling JR, McAllister DA, Agur W et al. Adverse events after first, single, mesh and non-mesh surgical procedures for stress urinary incontinence and pelvic organ prolapse in Scotland, 1997-2016: a population-based cohort study. *Lancet*. 2017 Feb 11;389(10069):629-640.

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Asfour V, Gibbs K, Franklin L, Digesu GA, Fernando R, Regan L, Khullar V. Ultrasound technique for the assessment of urethral descent assessment technique (UDAT) in healthy volunteers. *J Obstet Gynaecol* 2020;40(3):373–377. Doi: 10.1080/01443615.2019.1621811.

Asfour V, Nikolopoulos K, Digesu GA, Emery S, Khan Z. Modified autologous fascial sling technique ('sling on a string') for stress incontinence. (Video) *Int Urogynaecol J* 2021 Jul 14. DOI: 10.1007/s00192-021-04815-w.

Loganathan J, Coffey J, Doumouchtsis SK; CHORUS: An International Collaboration for Harmonising Outcomes, Research and Standards in Urogynaecology and Women's Health. Which patient reported outcomes (PROs) and patient reported outcome measures (PROMs) do researchers select in stress urinary incontinence surgical trials? - a systematic review. *Int Urogynecol J*. 2022 Nov;33(11):2941-2949. doi: 10.1007/s00192-022-05123-7.

Rada MP, Jones S, Betschart C, Falconi G, Haddad JM, Doumouchtsis SK; CHORUS: An International Collaboration for Harmonising Outcomes, Research, and Standards in Urogynaecology and Women's Health (i-chorus.org). A meta-synthesis of qualitative studies on stress urinary incontinence in women for the development of a Core Outcome Set: A systematic review. *Int J Gynaecol Obstet*. 2022 Jul;158(1):3-12. doi: 10.1002/ijgo.13934.

Pergialiotis V, Prodromidou A, Perrea DN, Doumouchtsis SK. A systematic review on vaginal laser therapy for treating stress urinary incontinence: Do we have enough evidence? *Int Urogynecol J*. 2017 Oct;28(10):1445-1451. doi: 10.1007/s00192-017-3437-x.

Nikolopoulos KI, Betschart C, Doumouchtsis SK. The surgical management of recurrent stress urinary incontinence: a systematic review. *Acta Obstet Gynecol Scand*. 2015 Jun;94(6):568-76. doi: 10.1111/aogs.12625.

Khan ZA, Nambiar A, Morley R, Chapple CR, Emery SJ, Lucas MG. Long-term follow-up of a multicentre randomised controlled trial comparing tension-free vaginal tape, xenograft and autologous fascial slings for the treatment of stress urinary incontinence in women. *BJU Int*. 2015 Jun;115(6):968-77. doi: 10.1111/bju.12851.

Guerrero KL, Emery SJ, Wareham K, Ismail S, Watkins A, Lucas MG. A randomised controlled trial comparing TVT, Pelvicol and autologous fascial slings for the treatment of stress urinary incontinence in women. *BJOG*. 2010 Nov;117(12):1493-502. doi: 10.1111/j.1471-0528.2010.02696.x.

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Ghoniem GM, Miller CJ. A systematic review and meta-analysis of Macroplastique for treating female stress urinary incontinence. *Int Urogynecol J*. 2013 Jan;24(1):27-36.

### **Aims of Workshop**

Non-mesh stress incontinence surgery and pre-operative workup (urodynamics/imaging)

- Discuss the non-mesh options
- Discuss the role of imaging and urodynamics
- Discuss the role and use of the patient decision aid
- Surgical tips and tricks for autologous fascial slings and Burch colposuspension, demonstrated with images and videos

### **Educational Objectives**

- We will use an online interactive platform to engage with the delegates during the workshop. The platform will be used for asking questions to facilitate the delegates to learn by pointing out important points, testing knowledge and re-enforcing learning. For example the workshop will describe and explain the progression of the Burch colposuspension technique as it evolved from MMK to the technique currently used that was modified by Tanagho.

- Mesh SUI surgery limitations and complications, such as mesh removal, stress incontinence recurrence, require a broad repertoire of surgical procedures for onward management. This workshop aims to help the delegates build their knowledge and skills in the full breadth of procedures recommended by NICE.

- All the education provided is directly applicable to clinical / surgical practice. The workshop explains the evidence base underpinning SUI surgery, workup as well as tips and tricks of surgical techniques.

### **Learning Objectives**

1. Understand the full range of NICE recommended non-mesh stress incontinence surgery
2. Understand the role of imaging, urodynamics, patient choice and counselling
3. Learn surgical tips and tricks

### **Target Audience**

Urology, Urogynaecology and Female & Functional Urology

### **Advanced/Basic**

Advanced

### **Suggested Learning before Workshop Attendance**

Agur W. Laparoscopic Extraperitoneal Colposuspension. Video Library, The British Society of Gynaecologic Endoscopy (BSGE). <https://vimeo.com/107769108>.

Farhan B, Soltani T, Do R, Perez C, Choi H, Ghoniem G. Face, Content, and Construct Validations of Endoscopic Needle Injection Simulator for Transurethral Bulking Agent in Treatment of Stress Urinary Incontinence. J Surg Educ. 2018 Nov;75(6):1673-1678.

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