

Start	End	Topic	Speakers
09:35	09:45	Introduction and Know Your Machine	Alison Hainsworth
09:45	10:00	Pelvic Floor Anatomy	Alexis Schizas
10:00	10:15	Normal Ultrasound Pelvic Floor Anatomy with the Integrated Approach	Giulio Santoro
10:15	10:25	When to Perform Integrated Total Pelvic Floor Ultrasound	Alison Hainsworth
10:25	10:35	How to Perform Integrated Total Pelvic Floor Ultrasound	Linda Ferrari
10:35	11:05	Interactive Workstations - Small Groups with Ultrasound Workstations – The Interpretation of Normal and Pathological Scans	Alison Hainsworth Giulio Santoro Liam Johnston Noel Thin Fatima Meskin
11:05	11:35	Break	None
11:35	12:20	Interactive Workstations - Small Groups with Ultrasound Workstations – The Interpretation of Normal and Pathological Scans	Alison Hainsworth Giulio Santoro Alexis Schizas Linda Ferrari Liam Johnston Noel Thin Fatima Meskin
12:20	12:30	The report - Drawing all the Images Together to Report Integrated Total Pelvic Floor Ultrasound	Alison Hainsworth
12:30	12:35	Questions	All

Aims of Workshop

The aim is to learn how to perform and interpret integrated total pelvic floor ultrasound (transperineal, transvaginal, endovaginal) as part of your assessment of pelvic floor dysfunction.

This tool is used in clinic to detect anatomical (rectocele, enterocele, intussusception, cystocele, bladder neck descent, uterine descent) and functional (dyssynergy, poor propulsive effort) abnormalities. You will know how to perform integrated total pelvic floor ultrasound and understand normal and pathological findings. This hands-on workshop allows you to practice image interpretation so that you can begin to use ultrasound in your clinical practice.

Educational Objectives

Integrated total pelvic floor ultrasound (transperineal, transvaginal and endovaginal) is a relevant, safe, cost effective and emerging imaging tool, useful to the pelvic floor surgeon, physician, physiotherapist, nurse or clinical scientist. It provides real time, dynamic images of the entire pelvic floor in a one stop clinic. It is a screening tool for rectocele, enterocele, intussusception, rectal prolapse, uterine descent, cystocele, bladder neck descent, dyssynergy, poor propulsive effort and levator plate integrity.

This workshop teaches how to perform ultrasound and provides hands on experience in the interpretation of ultrasound images. By breaking into small groups to examine the images the delegates should gain confidence in identifying both normal and pathological findings to enable translation into clinical practice. The faculty comprise of internationally renowned speakers who have many years of experience in teaching the interpretation of pelvic floor ultrasound.

Learning Objectives

Understand how to perform integrated total pelvic floor ultrasound (transperineal, transvaginal and endovaginal).

Target Audience

Urogynaecology and Female & Functional Urology, Bowel Dysfunction

Advanced/Basic

Intermediate

Suggested Learning before Workshop Attendance

- BK Medical: Guide to Multicompartmental Pelvic Floor Scanning.

- Is there any association between symptoms and findings on imaging in pelvic floor defaecatory dysfunction? A prospective study. Hainsworth AJ, Solanki D, Morris SJ, Igbedioh C, Schizas AMP, Williams AB. *Colorectal Dis.* 2021 Jan;23(1):237-245. doi: 10.1111/codi.15396. Epub 2020 Nov 5. PMID: 33090672.
- Total pelvic floor ultrasound for pelvic floor defaecatory dysfunction: a pictorial review. Hainsworth AJ, Solanki D, Schizas AM, Williams AB. *Br J Radiol.* 2015;88(1055):20150494. doi: 10.1259/bjr.20150494. Review.
- The Dynamic Transperineal Ultrasound Era of the Evaluation of Obstructed Defecation Syndrome. *Dis Colon Rectum.* 2016 Aug;59(8):800-3. Martellucci J, Bruscianno L.
- Integrated total pelvic floor ultrasound in pelvic floor defaecatory dysfunction. Hainsworth AJ, Solanki D, Hamad A, Morris SJ, Schizas AM, Williams AB. *Colorectal Dis.* 2017 Jan;19(1):O54-O65. doi: 10.1111/codi.13568.
- Accuracy of integrated total pelvic floor ultrasound compared to defaecatory MRI in females with pelvic floor defaecatory dysfunction. *Br J Radiol.* 2016 Dec;89(1068):20160522. Hainsworth AJ, Pilkington SA, Grierson C, Rutherford E, Schizas AM, Nugent KP, Williams AB.
- State of the art: an integrated approach to pelvic floor ultrasonography. *Ultrasound Obstet Gynecol.* 2011 Apr;37(4):381-96. doi: 10.1002/uog.8816. Santoro GA1, Wieczorek AP, Dietz HP, Mellgren A, Sultan AH, Shobeiri SA, Stankiewicz A, Bartram C.
- Pelvic floor disorders: role of new ultrasonographic techniques. *World J Urol.* 2011 Oct;29(5):615-23. doi: 10.1007/s00345-011-0708-x. Wieczorek AP, Stankiewicz A, Santoro GA, Wozniak MM, Bogusiewicz M, Rechberger T. PMID:21671056
- Perineal body anatomy seen by three-dimensional endovaginal ultrasound of asymptomatic nulliparae. *Colorectal Dis.* 2016 Apr;18(4):400-9. doi: 10.1111/codi.13119. PMID: 26382090. Santoro GA, Shobeiri SA, Petros PP, Zapater P, Wieczorek AP.
- Translabial ultrasound in the assessment of pelvic floor and anorectal function in women with defaecatory disorders. *Tech Coloproctol.* 2014 May;18(5):481-94. doi: 10.1007/s10151-013-1117-5. Epub 2014 Feb 11. Dietz HP1.
- Interrater reliability of assessing levator ani deficiency with 360° 3D endovaginal ultrasound. *Int Urogynecol J.* 2014 Jun;25(6):761-6. doi: 10.1007/s00192-013-2286-5. Epub 2013 Dec 13. Rostaminia G1, Manonai J, Leclaire E, Omoumi F, Marchiorlatti M, Quiroz LH, Shobeiri SA.
- Accuracy of Four Imaging Techniques for Diagnosis of Posterior Pelvic Floor Disorders. *Obstet Gynecol.* 2017 Nov;130(5):1017-1024. doi: 10.1097/AOG.0000000000002245. van Gruting IMA1, Stankiewicz A, Kluivers K, De Bin R, Blake H, Sultan AH, Thakar R.
- Cochrane Database Syst Rev. Imaging modalities for the detection of posterior pelvic floor disorders in women with obstructed defaecation syndrome
Isabelle Ma van Gruting, Aleksandra Stankiewicz, Raneer Thakar, Giulio A Santoro, Joanna IntHout, Abdul H Sultan. PMID: 34553773 PMCID: PMC8459393 (available on 2022-09-23) DOI: 10.1002/14651858.CD011482.pub. 2021 Sep 23;9(9):CD011482. doi: 10.1002/14651858.CD011482.pub2.