

Objectives and Disclosures

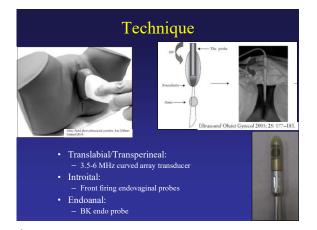
• Objectives

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- Review technique of ultrasound in urogynecology
- Discuss role of ultrasound in common urogynecologic conditions
- Disclosures: none

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Transperineal/Introital

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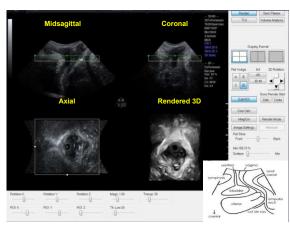
Transperineal/Introital

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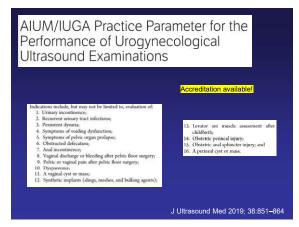
Transperineal/Introital

Transperineal/Introital

Transperineal/Introital



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How can we use it in Urogynecology?

- Anatomy

- Pelvic organ support

• Quantification of prolapse

• Cervical length in setting of cervical prolapse

• Anatomy in relationship to mystery surgery

• Presence or absence of enterocele

• Levator defects

- Anal Sphineter Integrity

- Periurethral/Vaginal cysts (Urethral Diverticulum, Skenes, Gartners, Inclusion cyst)

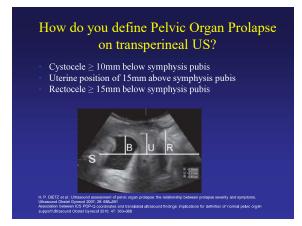
- Incidental findings

• Function

- Dyssynergic pelvic floor

- Function of interventions – sling activation, bulking coaptation

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Anatomy: Pelvic Organ Support

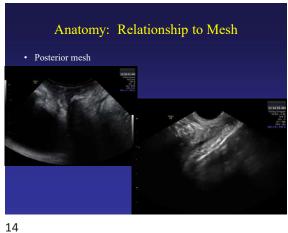
Typically is a clinical diagnosis
POP-Q is inherently poor at describing rectocele

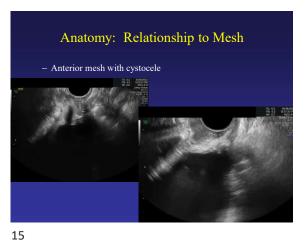
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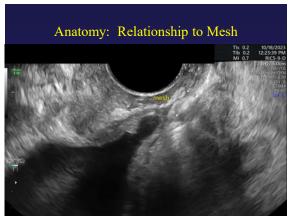


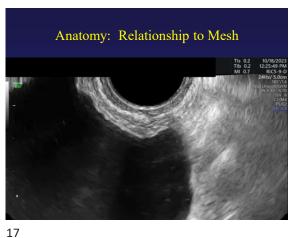


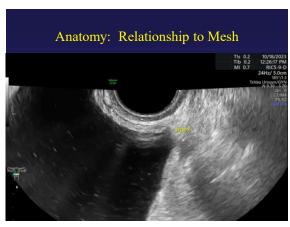
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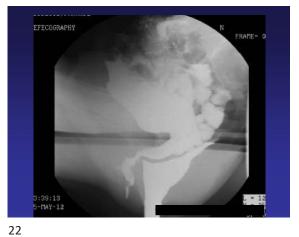


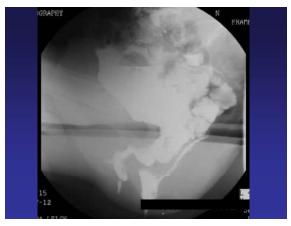












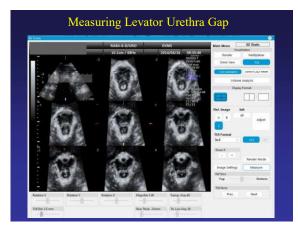




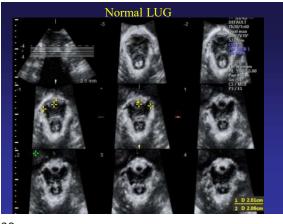


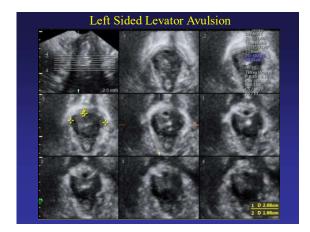
Why should we measure Levator Urethra Gap (LUG) on Transperineal US?

- Avulsion of the levator ani muscle is a form of pelvic floor muscle trauma that seems to occur exclusively at the time of vaginal delivery
- Prevalence of 10–35%
- Risk factor for pelvic organ prolapse
- Risk factor for prolapse recurrence after surgical treatment
- Sonographic diagnosis of this condition has been standardized through the use of tomographic ultrasound imaging (TUI)
- Highly repeatable and agreement with MRI is high



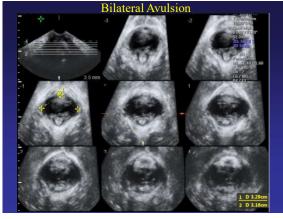
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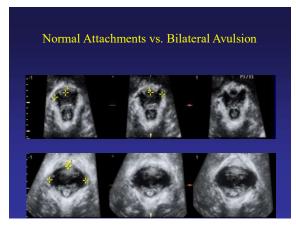


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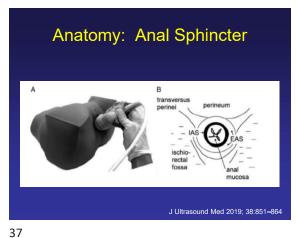
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How can we use it in Urogynecology? • Anatomy Pelvic organ support

Quantification of prolapse
Cervical length in setting of cervical prolapse
Anatomy in relationship to mystery surgery
Presence or absence of enterocele
Levator defects - Anal Sphincter Periurethral/Vaginal cysts (Urethral Diverticulum, Skenes, Gartners, Inclusion cyst) - Incidental findings • Function - Dyssynergic pelvic floor - Function of interventions - sling activation, bulking coaptation

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3D TPUS for Anal Anatomy Cohen K

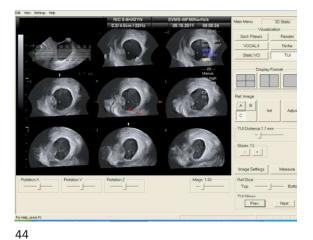
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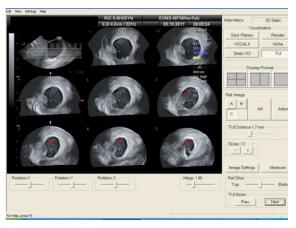
How can we use it in Urogynecology? • Anatomy Periurethral/Vaginal cysts (Urethral Diverticulum, Skenes, Gartners, Inclusion cyst) - Incidental findings • Function Dyssynergic pelvic floor - Function of interventions - sling activation, bulking coaptation

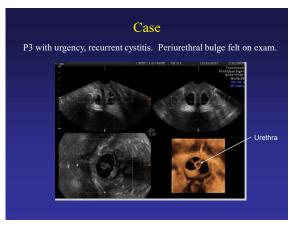
Anatomy: Urethral Diverticulum Fluid filled mass, anterolateral vagina, communicates with urethra • 3%, usually 30-60 years • Etiology: congenital - Acquired: trauma, infection, stones • Symptoms: can be asymptomatic - UTI symptoms voiding issues: difficulty voiding, postvoid dribbling, UI, hematuria tender protruding mass · Diagnosis: VCUG, MRI, Cysto

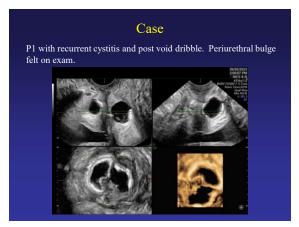
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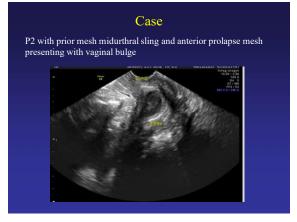








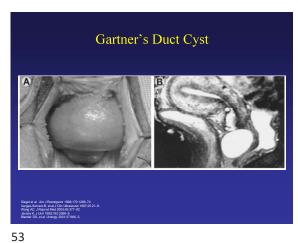






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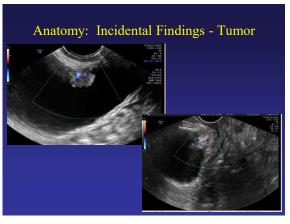
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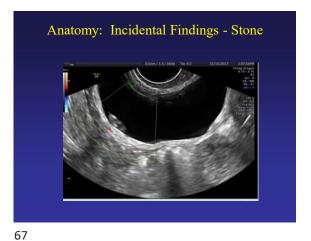
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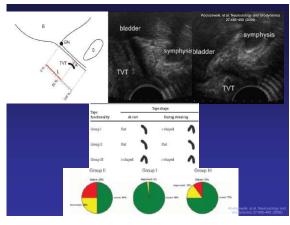


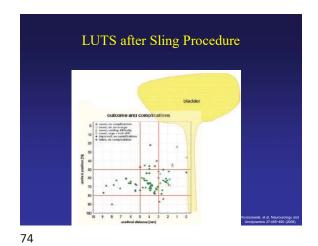








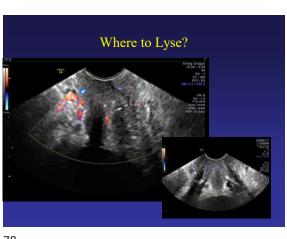


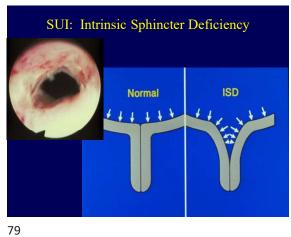


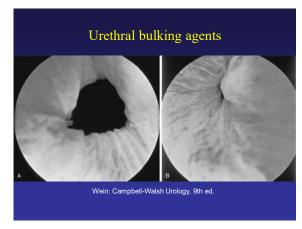


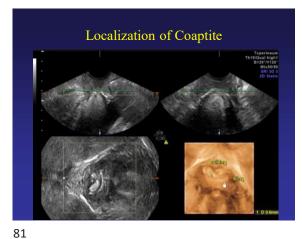












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