





Empty the bladder (as full bladder may lengthen CL)

Probe placed in anterior fornix, without applying undue pressure.

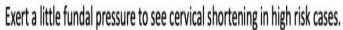
Important tips:

3 measurements are made, of which shortest is taken as CL

CURVED CERVIX: Long cervix is usually curved, so should be measured as trace a straight line.

MUST WAIT To look for dynamic changes.

Start Video







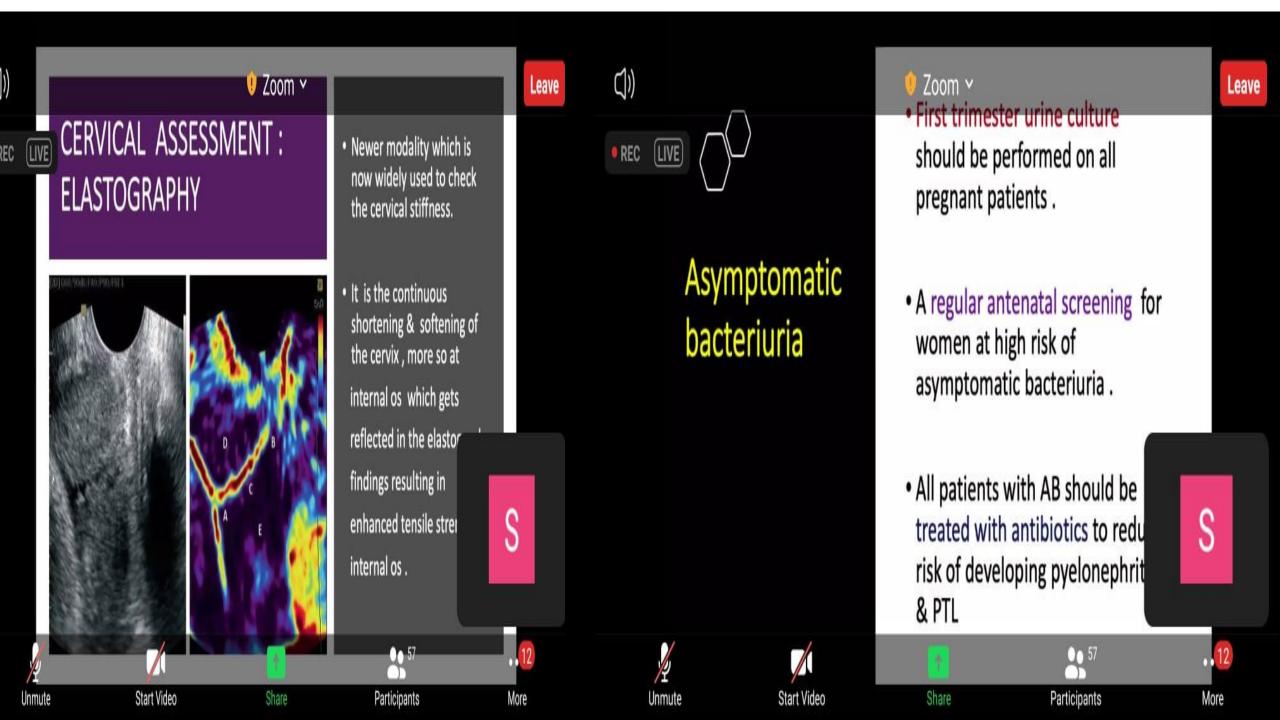


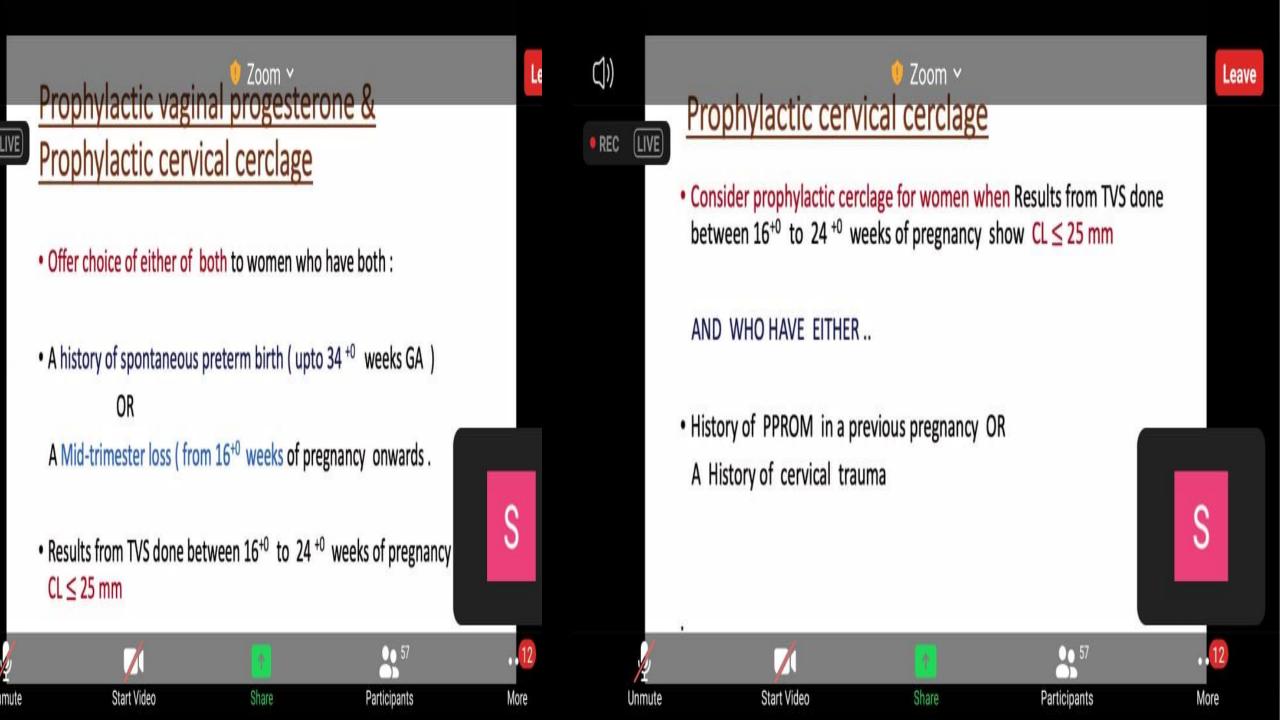


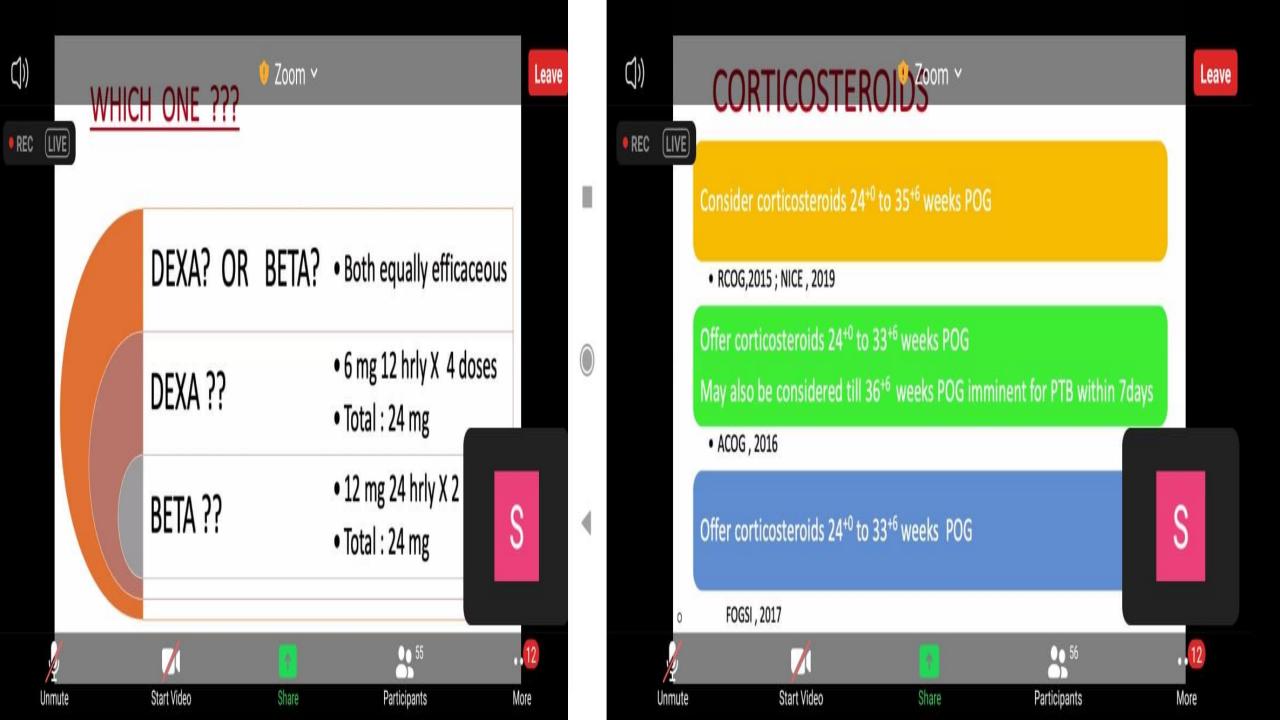
Shelly Agarwal's screen

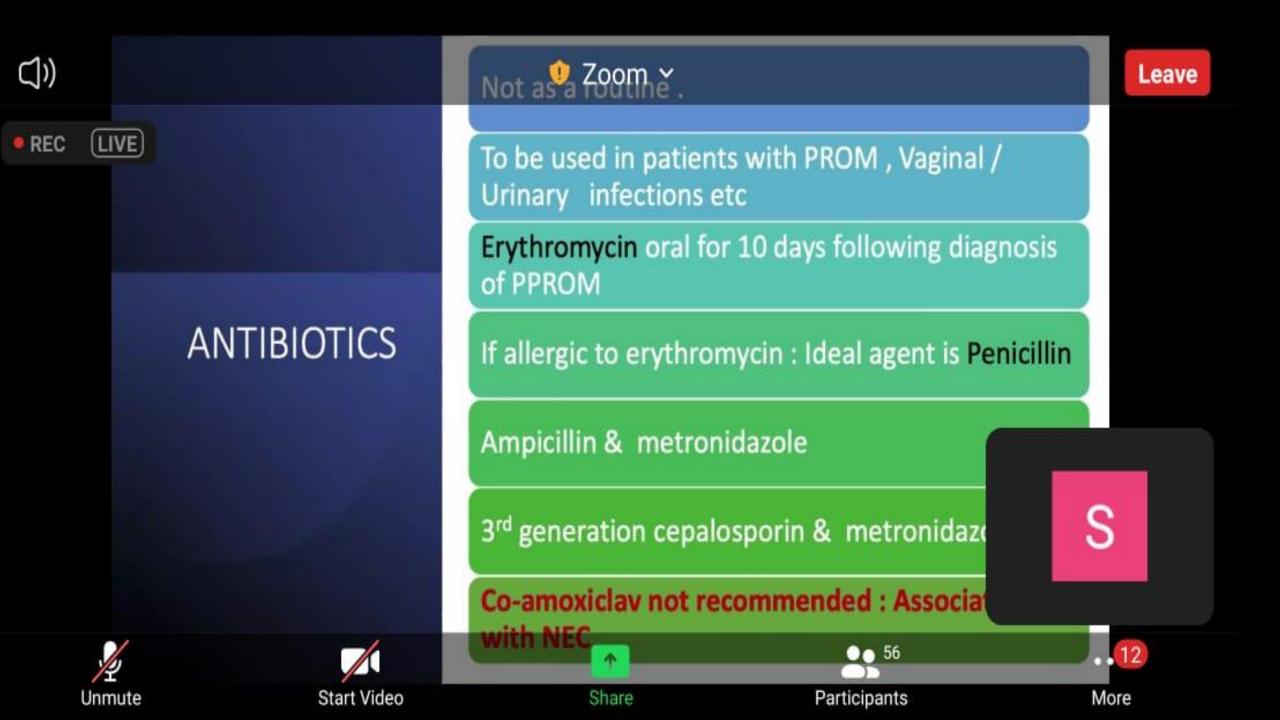
Foetal fibronectin

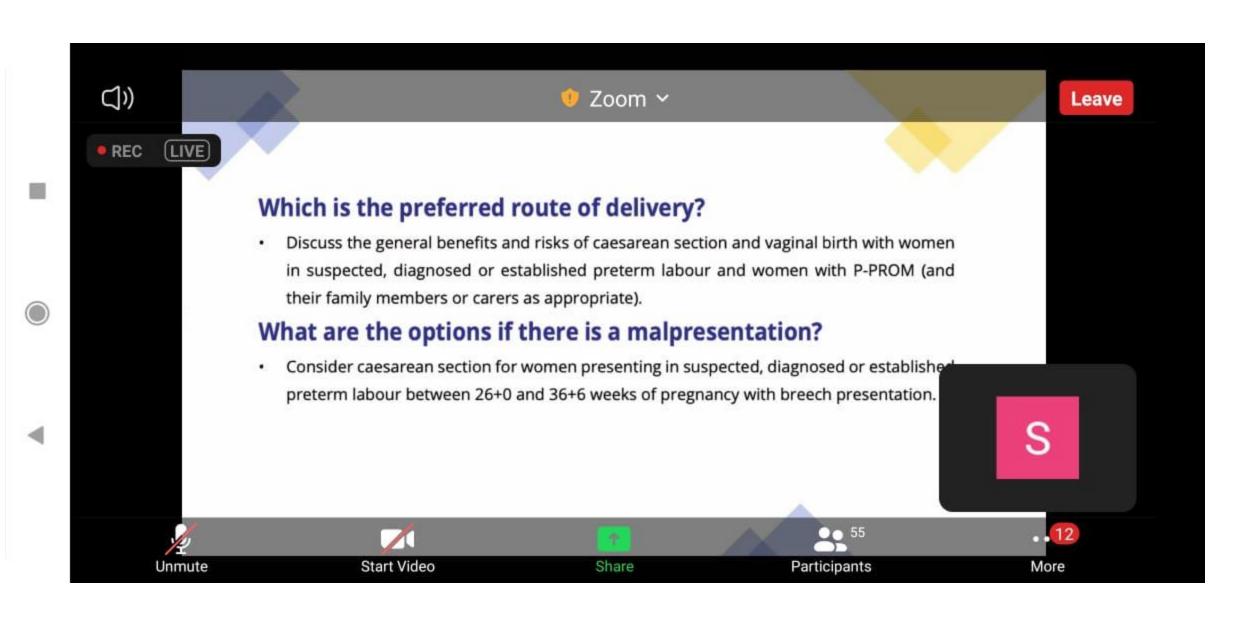
- An extracellular glycoprotein located on the decidua & fetal membrane.
- From 22 35 weeks, it's presence in cervico-vaginal secretions is abnormal.
- Its presence indicates: separation of decidua & membranes.
- Role of FFN lies in it's negative predictive value (>95 %)
- Negative FFN rules out preterm labour risk & can reduce admissions & interventions.

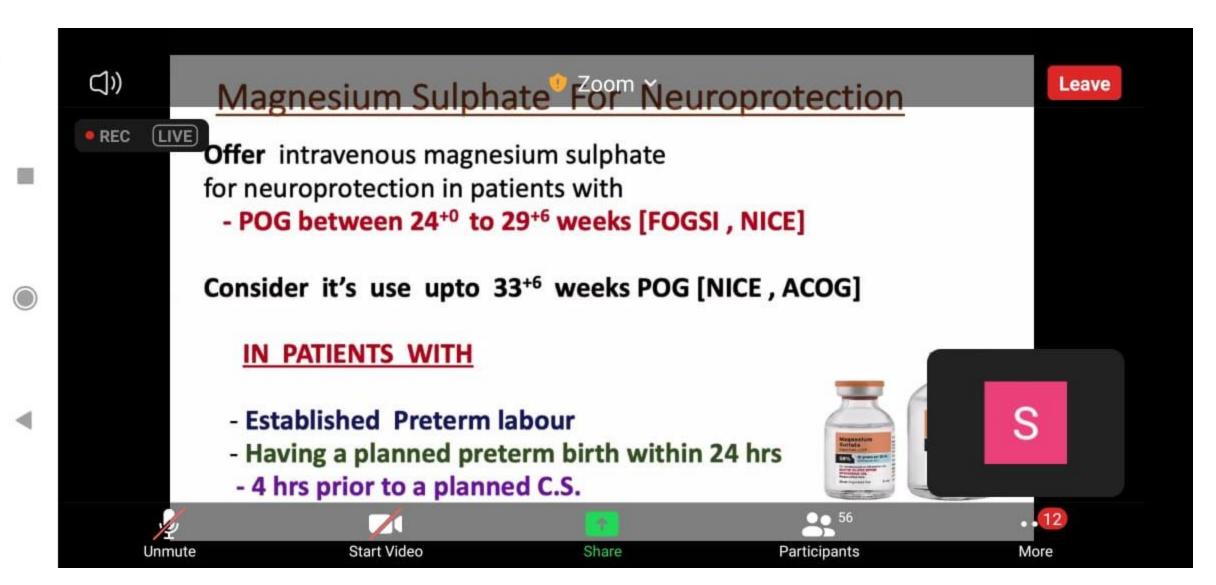


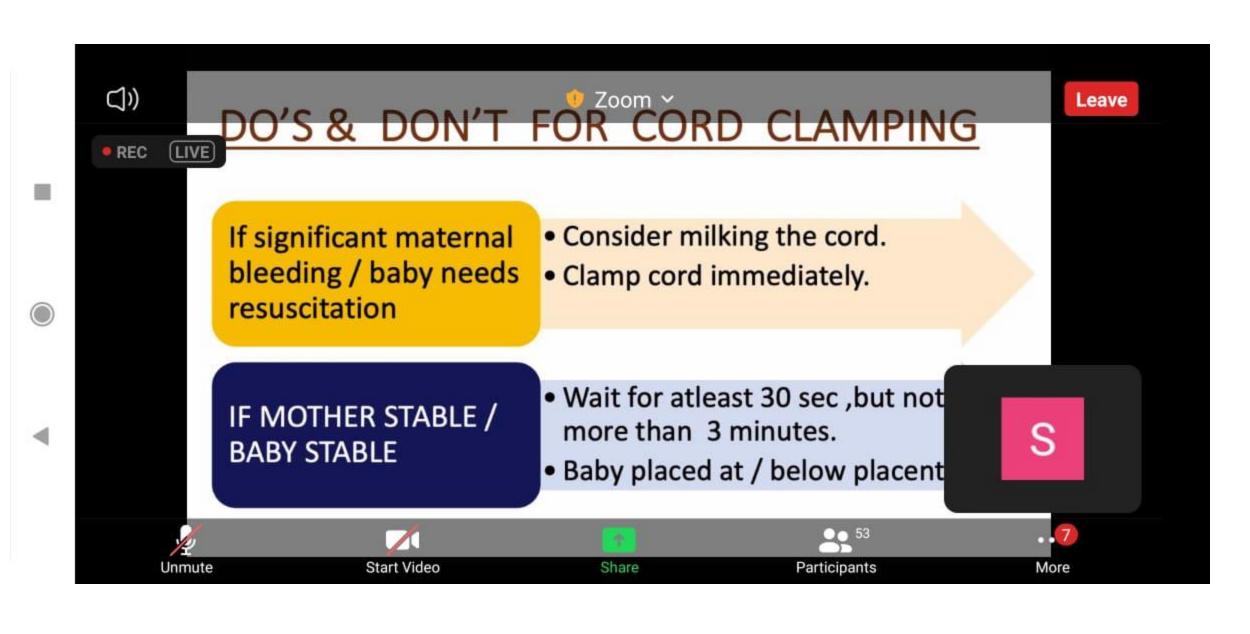














Our Proficier Speaker







Dr. Aparna Hegde, MD, DNB, MS (Stanford University), IUGA International Fellowship (Cleveland Clinic Florida)

> Assoc Prof (Hon), Urogynecology, Cama Hospital, Grant Medical College, Mumbai Consultant Urogynecologist, Global Hospital, Mumbai; Surya Hospital, Mumbai and Womens Hospital, Mumbai

> Founder and Director, C.U.P (Centre for Urogynecology and Pelvic Health), Delhi Founder and Managing Trustee, ARMMAN, a NGO that works in the field of Maternal and Child Health in 19 states and has impacted the lives of over 26 million women and their children

Chair, FIUGA (Foundation of International Urogynecological Assistance) Chair, IUGA Publications Committee

Member, Editorial Board, International Urogynecology Journal

Member, International Urogynecology Committee, Prolapse Member, 7th International Consultation on Continence Senior Visiting Fellow, IIM Ahmedabad

Principal Investigator, NIH Grant on Dysfunctional Voiding in Adolescent Girls

Awards: Ranked 15 in Fortune Magazine's 50 World's Greatest Leaders 2021 (one of only two Indians), MIT Elevate Award 2021; Skoll Award for Social Entrepreneurship 2020; TED Fellow 2020; WHO Public Health Champion Award, 2017; British Medical Journal South Asia Award for Maternal and Child Health Team of the Year 2018; USAID Social Entrepreneur of the Year Award 2018; WomanChangeMaker Award; 2018 (Womanity Foundation, Geneva); Fellowship of the Menopause Society of Sri Lanka, 2019, one of the five global women leaders featured in the Voice of America documentary, Single Step: Journeys of Women Leaders among other awards

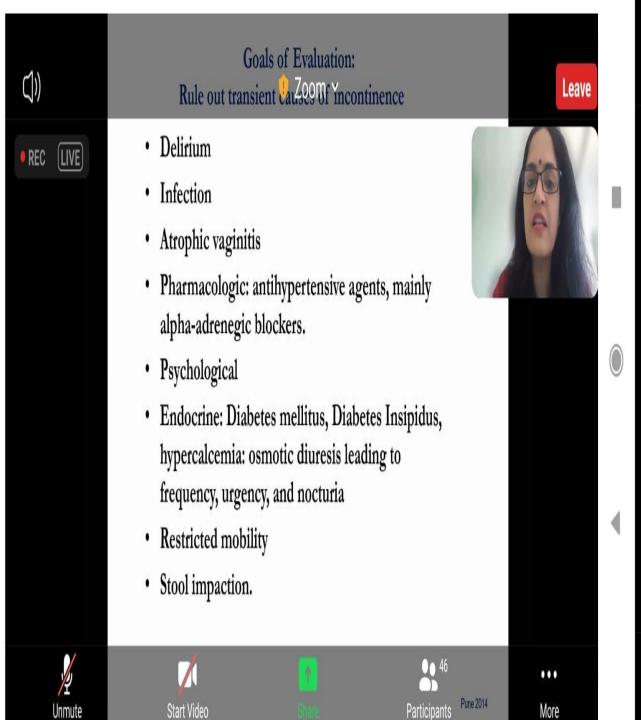








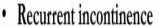




Goals of Evaluation: Determine if incontinues is 'complicated'







- Incontinence associated with
- pain
- hematuria
- recurrent infection
- significant voiding symptoms
- pelvic irradiation
- radical pelvic surgery
- suspected fistula

Refer to a urogynecologist!!!



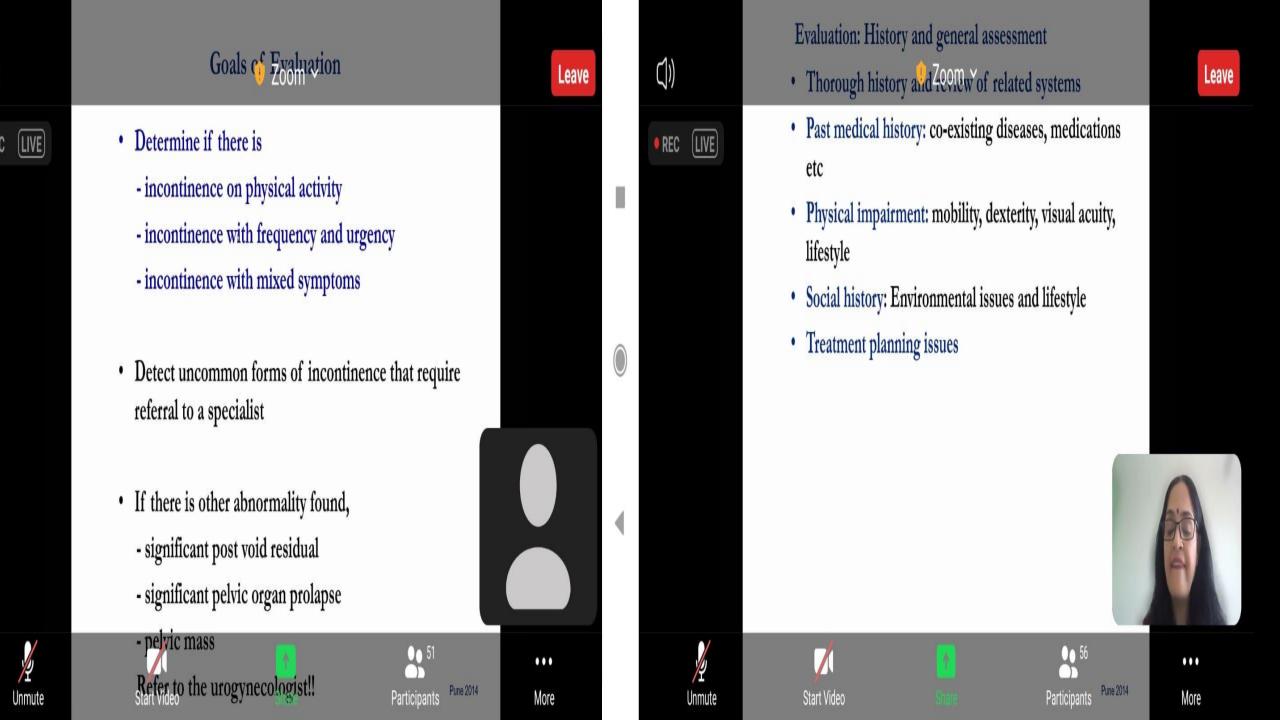


















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- Characteristics of the urinary stream including
 - presence of pain and straining
 - Initiation of urination
 - Characteristics of emptying
- List symptoms:
 - storage issues: Urgency, frequency, nocturia, nocturnal enuresis, episodes of leakage
- emptying issues: straining, hesitancy, dysuria, intermittent flow, thin stream, incomplete bladder emptying



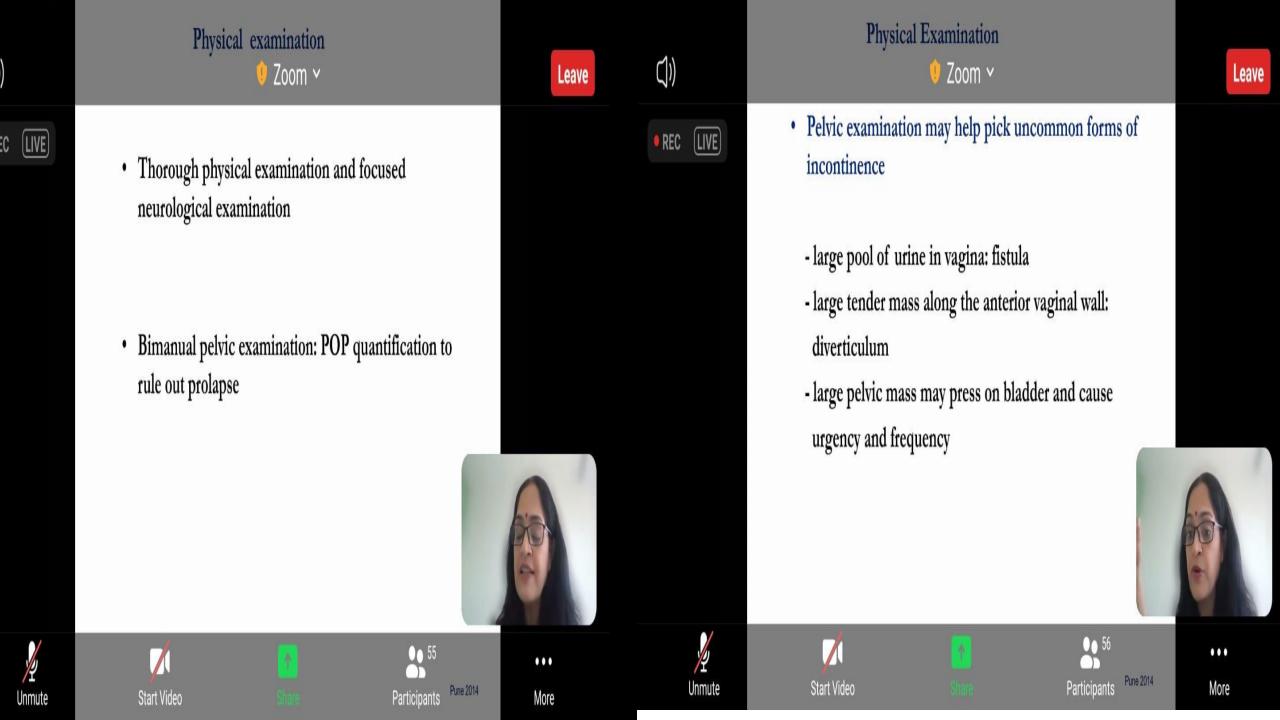


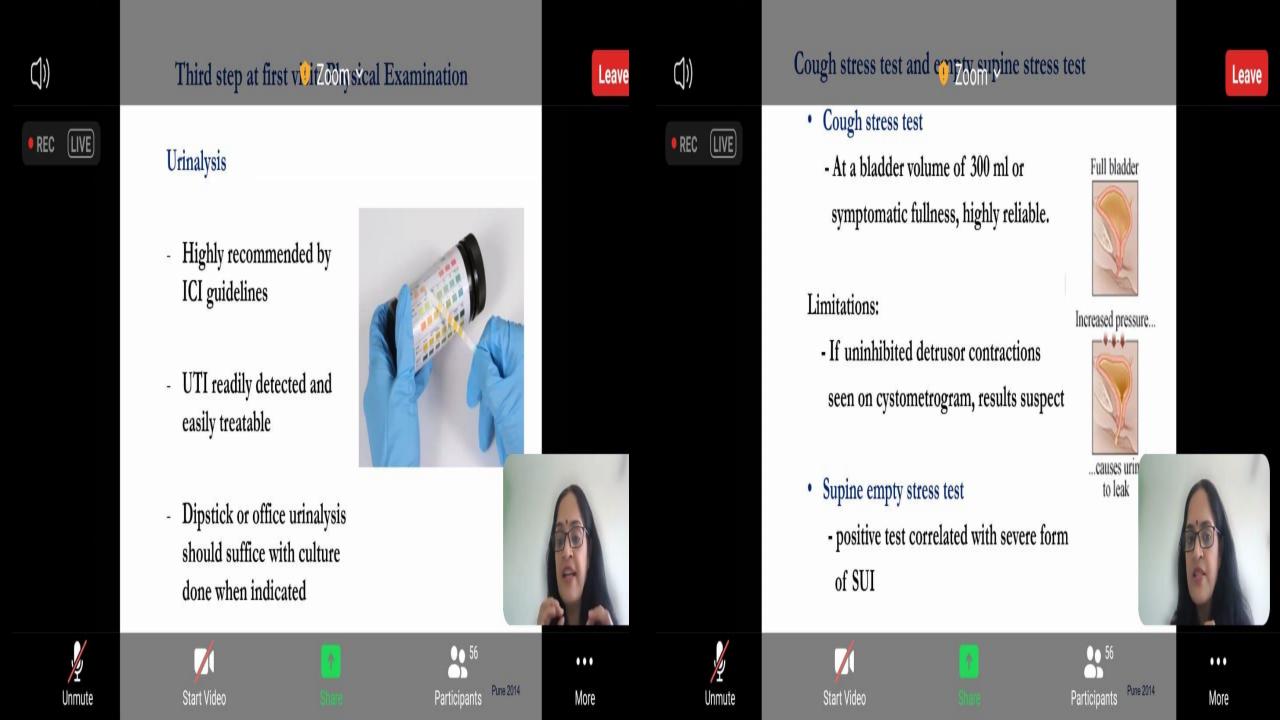














Recommended further assessment: postvoid residual

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• REC LIVE

- ICI guidelines recommend it as a part of initial assessment in patients with symptoms of voiding dysfunction if the result is likely to influence management, for example in neurological patients.
- PVR < 50 ml normal; PVR > 200 ml abnormal, any value in between needs to be repeated and correlated clinically.
- If PVR > 200 ml, refer the patient to a specialist for voiding study to determine whether she has any other pathology.











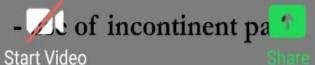


Recommended forther assessment

Leave

- Validated questionnaires: ICIQ, UDI6, IIQ7, OABshort form: assessment of the
 - the patient's perspective of symptoms of incontinence
 - impact on quality of life
 - assessment of treatment outcome
- 3-day voiding diary: highly recommended
 - the frequency of micturation and volumes voided
 - amount of fluid intake
 - incontinent episodes
 - amount of leakage
 - activity when incontinent episode







Pune 2014







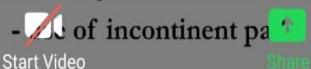
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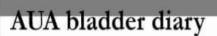








(LIVE)





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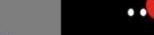
Time Drinks		nks	Trips to the bathroom		Accidental leaks	Did you feel a strong urge to go?	What were you doing at the time?
	What kind?	How much?	How many times?	How much urine?	How much?	Yes / No	Sneezing, exercising, etc.
6 - 7 a.m.							
7 - 8 a.m.							<u> </u>
8 - 9 a.m.							
9 - 10 a.m.							
10 - 11 a.m.							
11 a.m noon							
noon - 1 p.m.		,	85			n!	
1 - 2 p.m.							
3.3nm			-				

Fluid intake > 4 L/day: consider diabetes insipidus

Frequent small voids: consider interstitial cystitis

Peripheral edema with nocturia and/or nocturnal urgency incontinence: patient

mobilizing fli / n the recumbent position /



More



















- Strength
- Duration
- Symmetry of contraction
- If no awareness of pelvic muscles, to be taught to locate and contract her pelvic muscles
- This serves as a baseline measure
- > Helps in identifying women who will benefit from focused interventions to strengthen the pelvic floor

















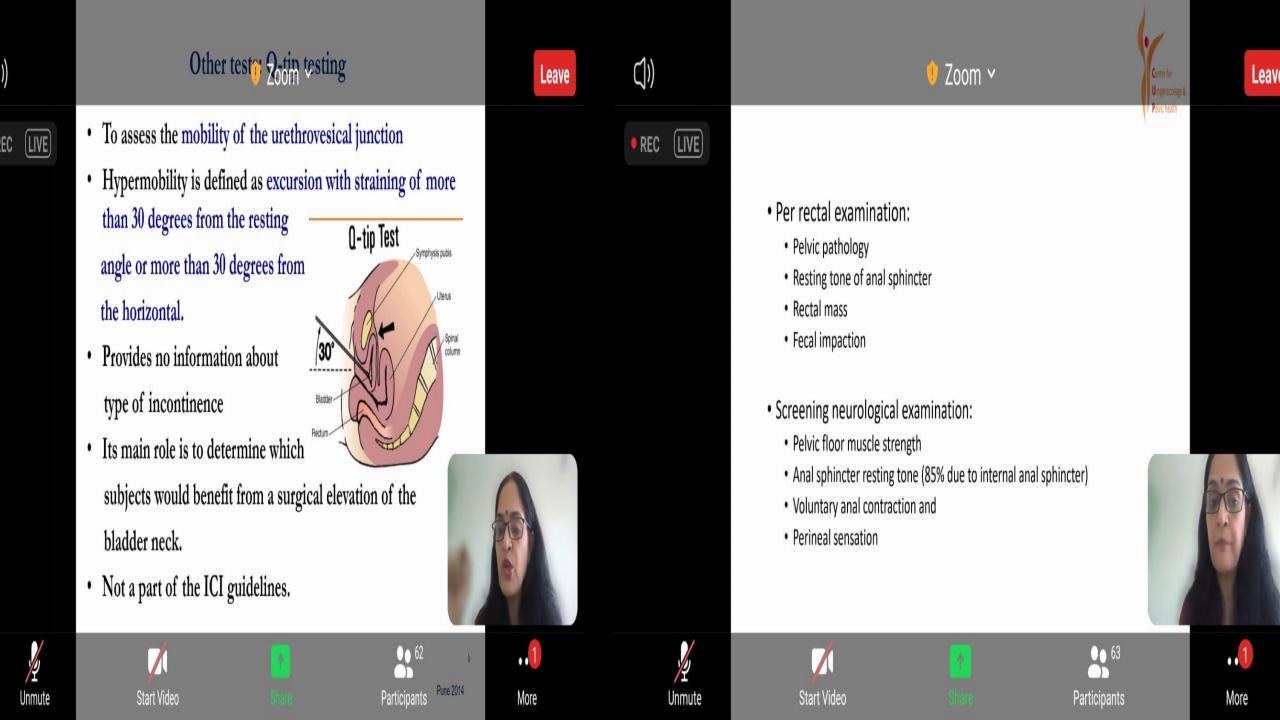














Recommended forther assessment

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 Uroflowmetry with measurement of PVR: recommended as a screening test for symptoms suggestive of voiding dysfunction or physical signs of POP or bladder distension

- Renal function assessment: recommended in patients with probable renal impairment
- Pad testing: 24 hour test recommended, if done











Pune 2014





Behavioral Modification

Wt. loss/ stop smoking/ treat chronic cough and UTI

"Kegel" exercises

 strengthen pelvic floor muscles via exercise



Fluid Intake

5-8 glasses of liquids a day



Medications: Duolexitine and local estrogen cream

Introducing the MAPLe Biofeedback and Electrical Stimulation $\widehat{\mathbb{Q}}$ System LIVE REC



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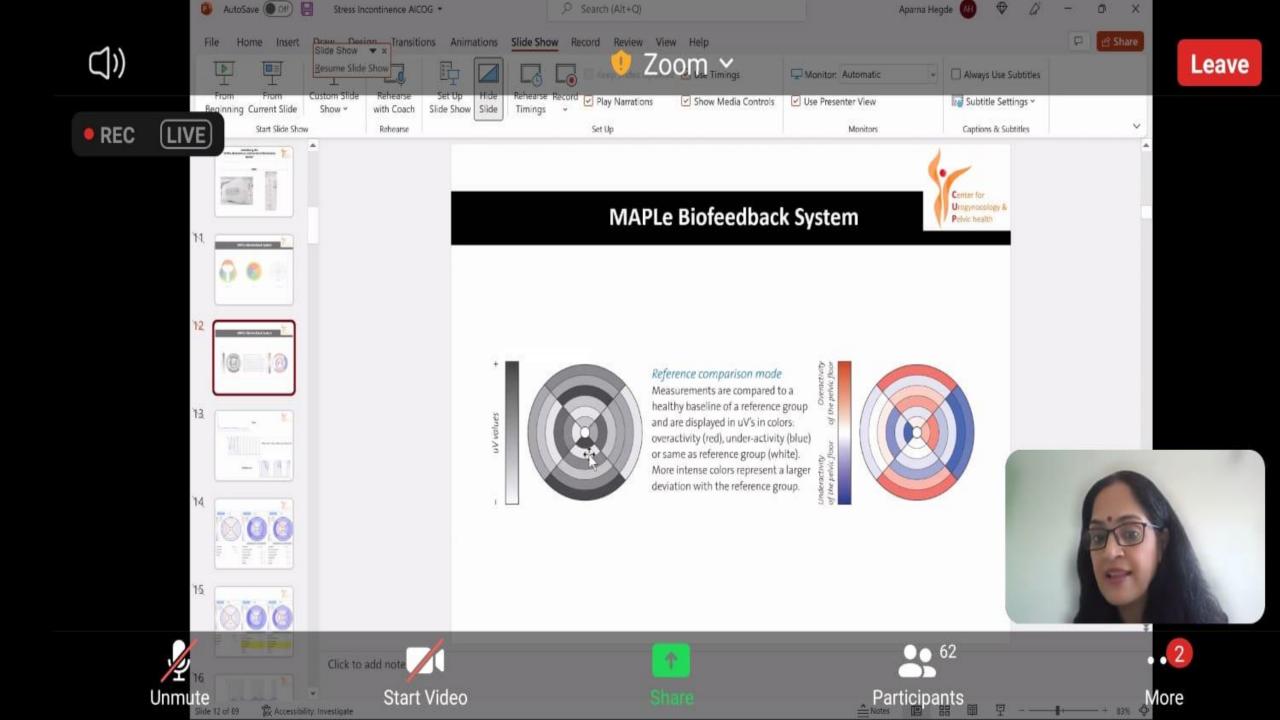








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Indications

- Failure of conservative therapy
- Severe incontinence
- Inability or unwillingness to comply with nonsurgical therapy

















Surgical Treatment: Retropubic Colposuspension (Burch)



Leave

 Indication: SUI with hypermobility with MUCP > 20 cm/H₂O: Burch should not be done in a patient of Intrinsic Sphincter Deficiency

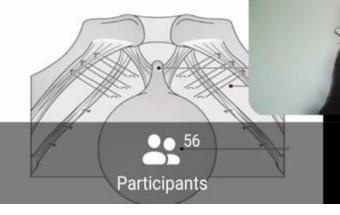
65-90% reported 1-year cure rate and 70% reported 10-year cure rate

- 5-27% rate of de novo urge incontinence
- 2-13% risk of enterocele formation

Updated systematic review and meta-analysis has shown Burch to be inferior to RP slings (both subjective and objective cure rates)



Nova (t. al. European Urology; ? 7
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CREATION OF ARTIFICIAL NEOLIGAMENTS

Basis for minimall 799 Wasive SUI surgery:



Leave

Retropubic and then TOT slings

