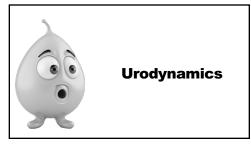
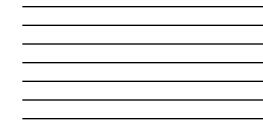


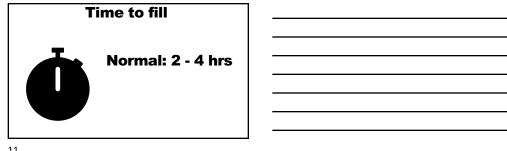
The American Urological Association (AUA) in collaboration with the Society for Urodynamics, Female Pelvic Medicine, and Urogenital Reconstruction (SUFU) summarises the main indications for performing urodynamic studies into 5 categories:

Identifying LUT dysfunction

- Predicting the consequences of LUT dysfunction on the upper urinary tract
- Predicting outcomes of management
 Assessing the outcomes of an intervention
 Assessing treatment failure

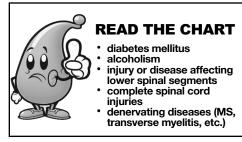




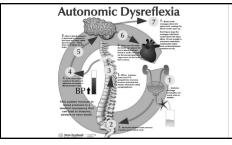












Signs & Symptoms

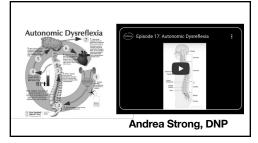
- · Flushing and sweating above the injury level
- Nasal stuffiness Goose bumps and paleness below injury level
- Sudden high blood pressure (hypertension)
 Pounding headache

- Slow heart rate (bradycardia)
 Blurred vision or spots in vision
- Irregular heartbeat
- Anxiety or apprehension
 May have no symptoms (this is known as silent autonomic dysreflexia)

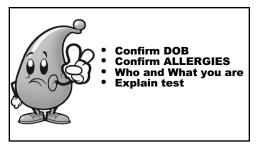


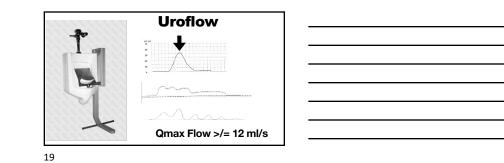
Treatment

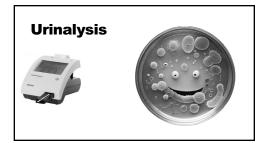
- Recognize the signs and symptoms of AD
 Check blood pressure and monitor frequently (Neuropathic Bladder Patients with SCI above T6 have low systolic blood pressure of 90-110mmHg)
- Sit the person up, lower the legs . •
- Loosen any clothing or constrictive devices Keep an eye on the person and look for the underlying cause and correct if found. .



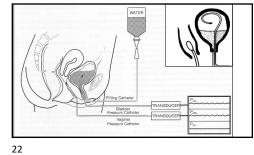


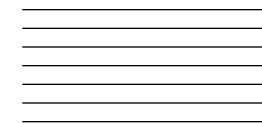


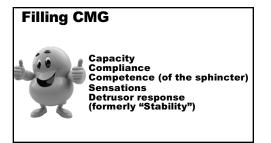




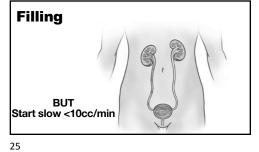


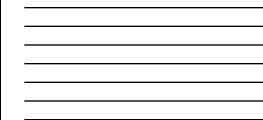












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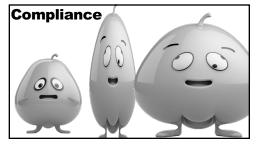
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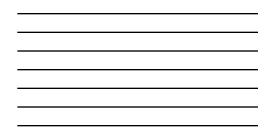
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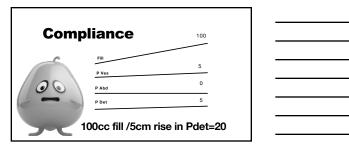
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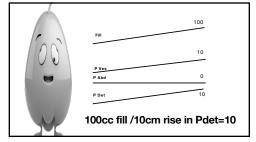
Compliance:

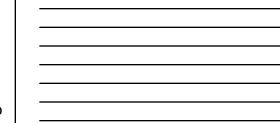
Normal compliance is nearly flat pressure during filling

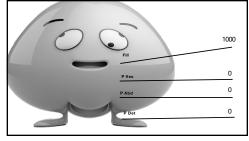
Change in volume divided by change in Pdet: Normal: >/= 20 ml/cm H2O Low: </= 10 ml/cm H2O

29

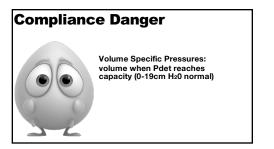










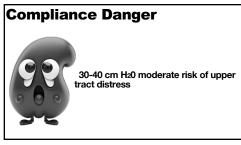


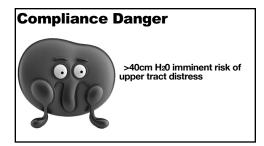
Compliance Danger

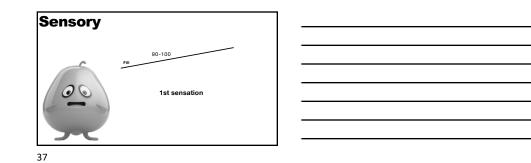


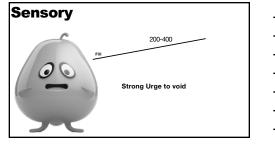
20-30 cm H₂0 very slight risk of upper tract distress

34

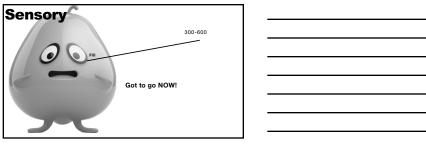


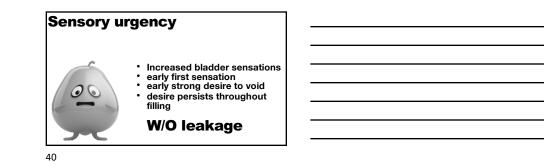


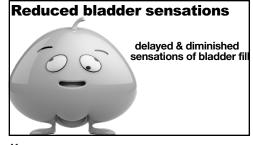




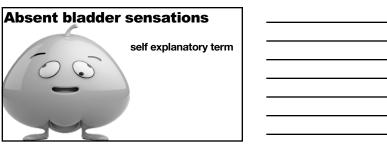


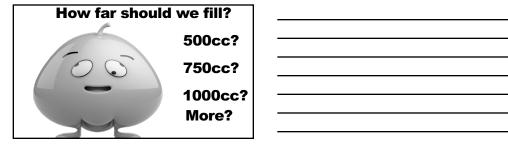




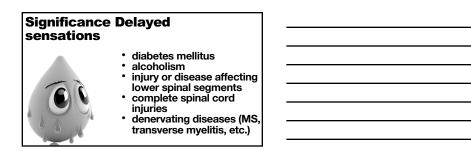


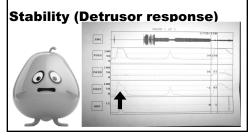


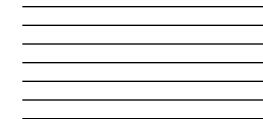








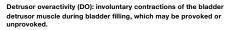






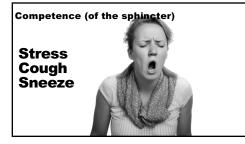
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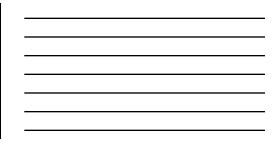
- 1. Phasic: which occurs during filling, does not necessarily cause incontinence.
- 2. Terminal: occurring near-maximum bladder capacity, usually results in incontinence.
- Compound: with an increase in detrusor and baseline detrusor pressure with each contraction during filling.; it occurs relative to underlying neurological disease.
- 4. High and sustained: involves continuous detrusor contractions, with detrusor pressure not returning to baseline.
- 5. Post micturition: occurs after voiding, usually in the presence of

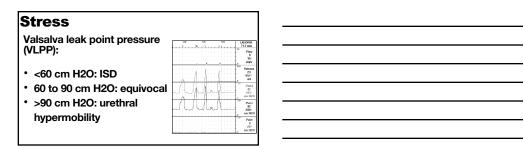


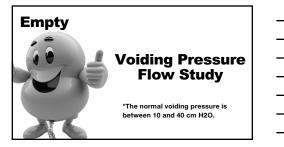




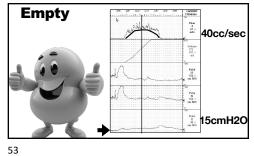
Stress		430 Ψ.ΙΥ	5.00	LABORIE 713 min
				50 Flow 0 35^ ml/s
Moderate volume: 150-200ml	 		1	24 557^ 0 ml
130-20011		البيا		100 Pabd 42 193^ cm H20
→		لساليه		100 Pves 42 200^ cm H20
				100 Pdet 0 22^ cm H20



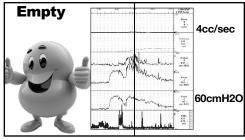


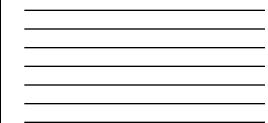


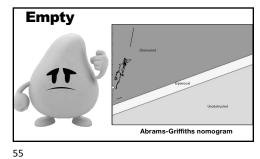


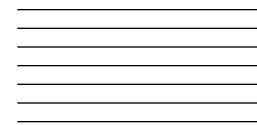


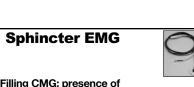












Filling CMG: presence of bulbocavernosus reflex; recruitment of motor units with bladder filling

Pressure/Flow study: sphincter relaxation (abnormal finding → vesicosphincter dyssynergia)



