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MANAGEMENT OF BLADDER DYSFUNCTION

Aims of Session

- **Reminder of the types of Bladder Dysfunction**
- **Conservative management**
- **Surgical interventions**

Bladder Dysfunction

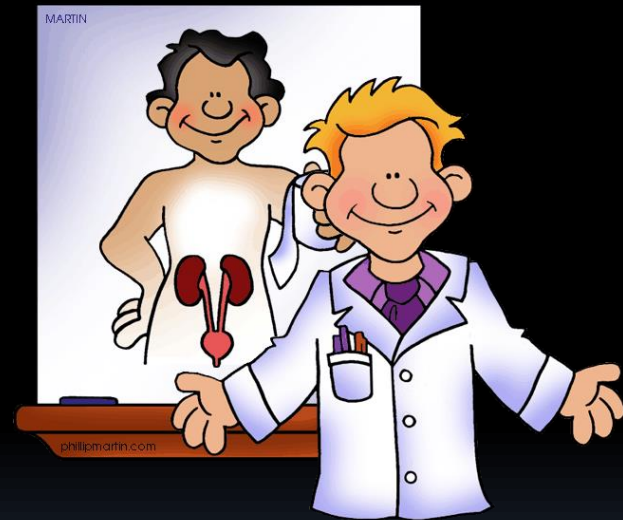
- Neuropathic/Neurogenic
- Non-neurogenic
- Voiding



Treatment and Management

Depend on symptoms

- Protect upper urinary tract
- Reverse incontinence
- Enable complete emptying



Incomplete Emptying

- Hypocontractile bladder
- Bladder areflexia



Emptying the bladder

Manual bladder compression

- Credé manoeuvre
- Valsalva manoeuvre
- Timed voiding/trigger urination



Catheterisation

- Intermittent
- Indwelling – urethral/suprapubic
- External condom catheters



Pharmacological

- Cholinergics
- Alpha-adrenergic blocking agents



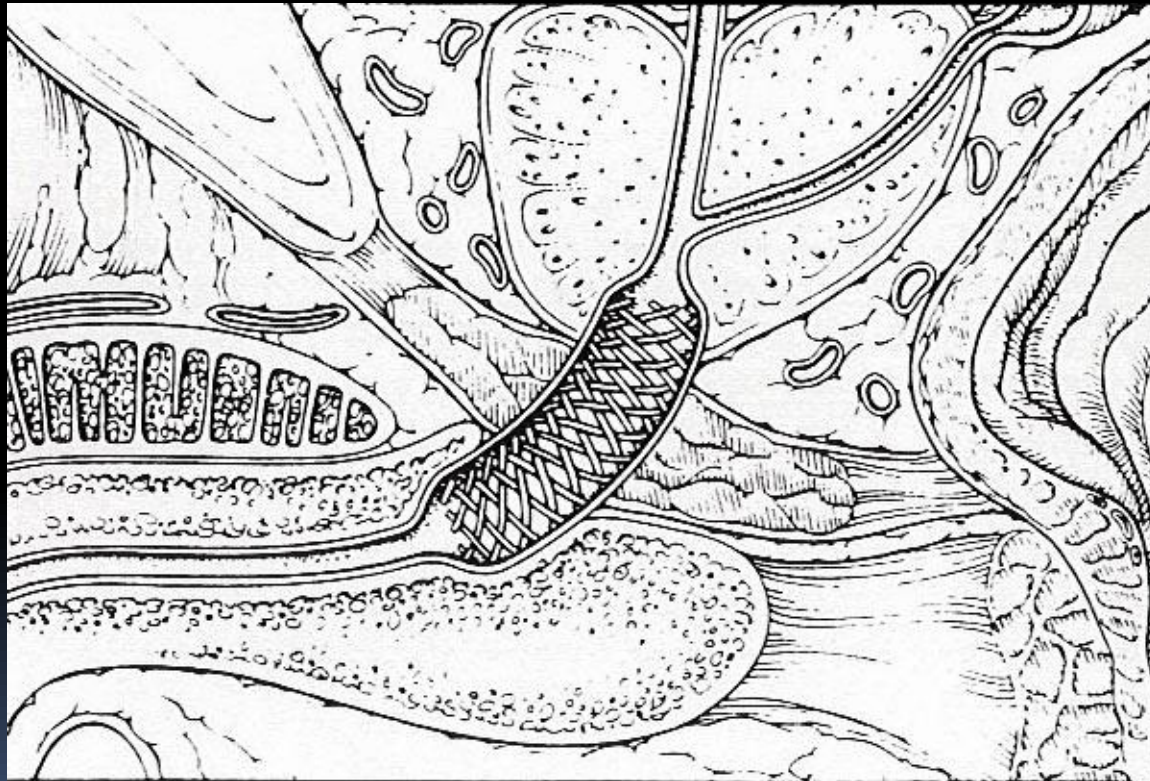
Surgery

To facilitate bladder emptying:

- Transurethral resection of bladder neck
- External sphincterotomy
- Urethral dilatation
- Urethral stent

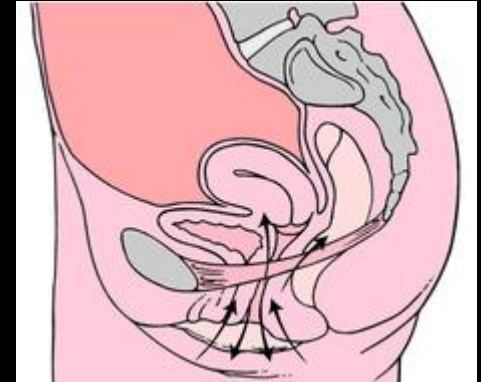


Urethral stent



Stress Incontinence

- Pelvic floor exercises
- Tricyclic antidepressants - Imipramine
- Heterocyclic antidepressant – SNRI
 - Duloxetine



Surgery

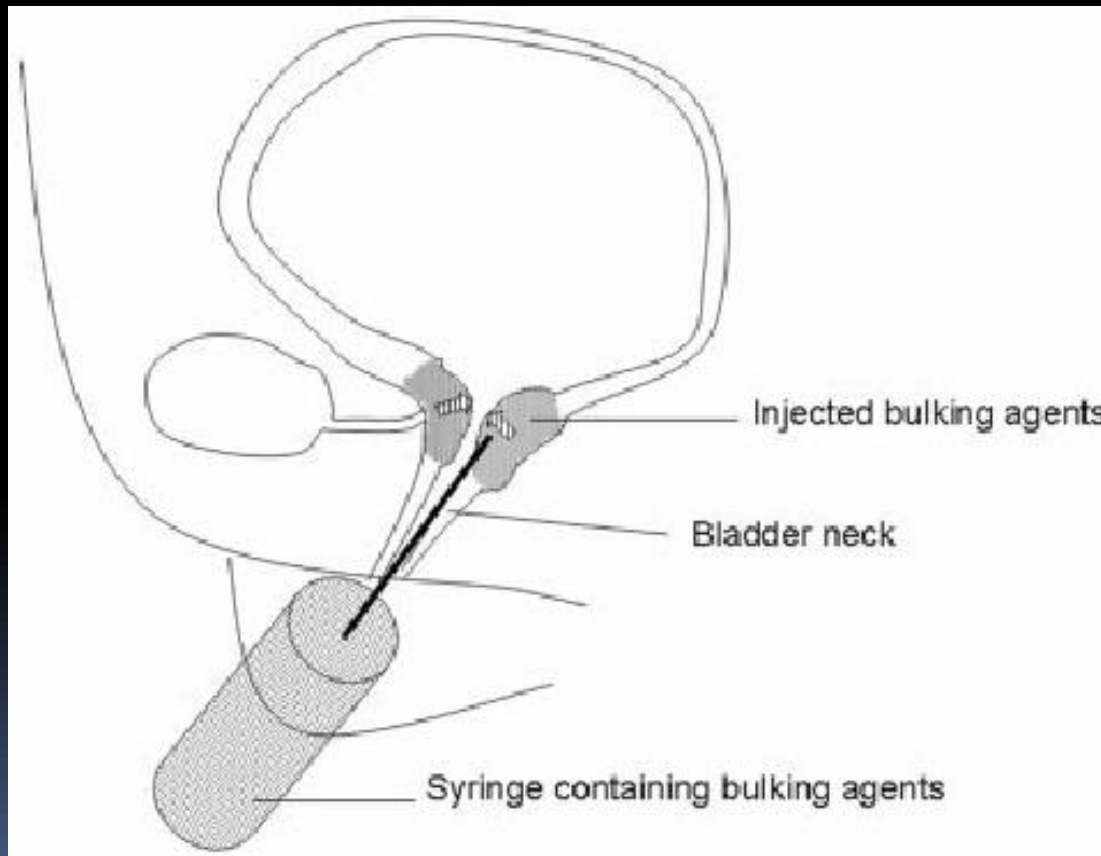


**For stress incontinence:
Silicone micro implants**

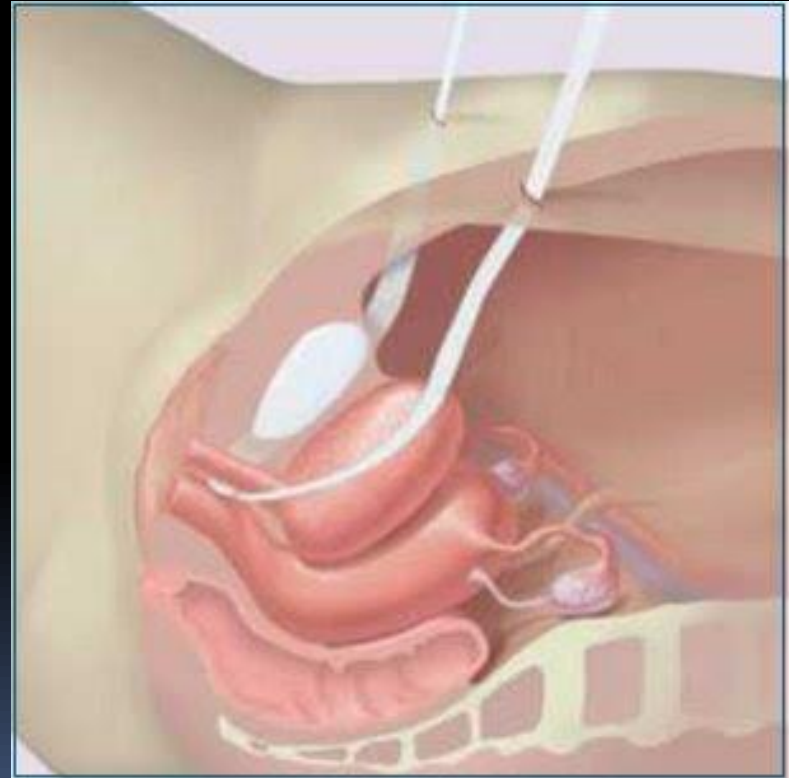
Urethral sling – male and female

Artificial urinary sphincter

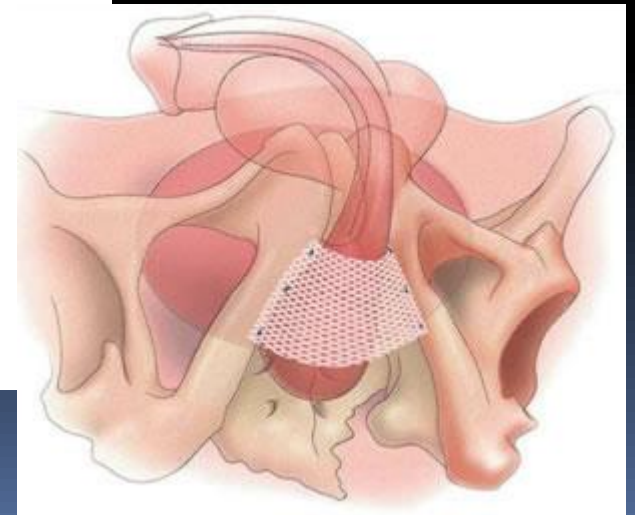
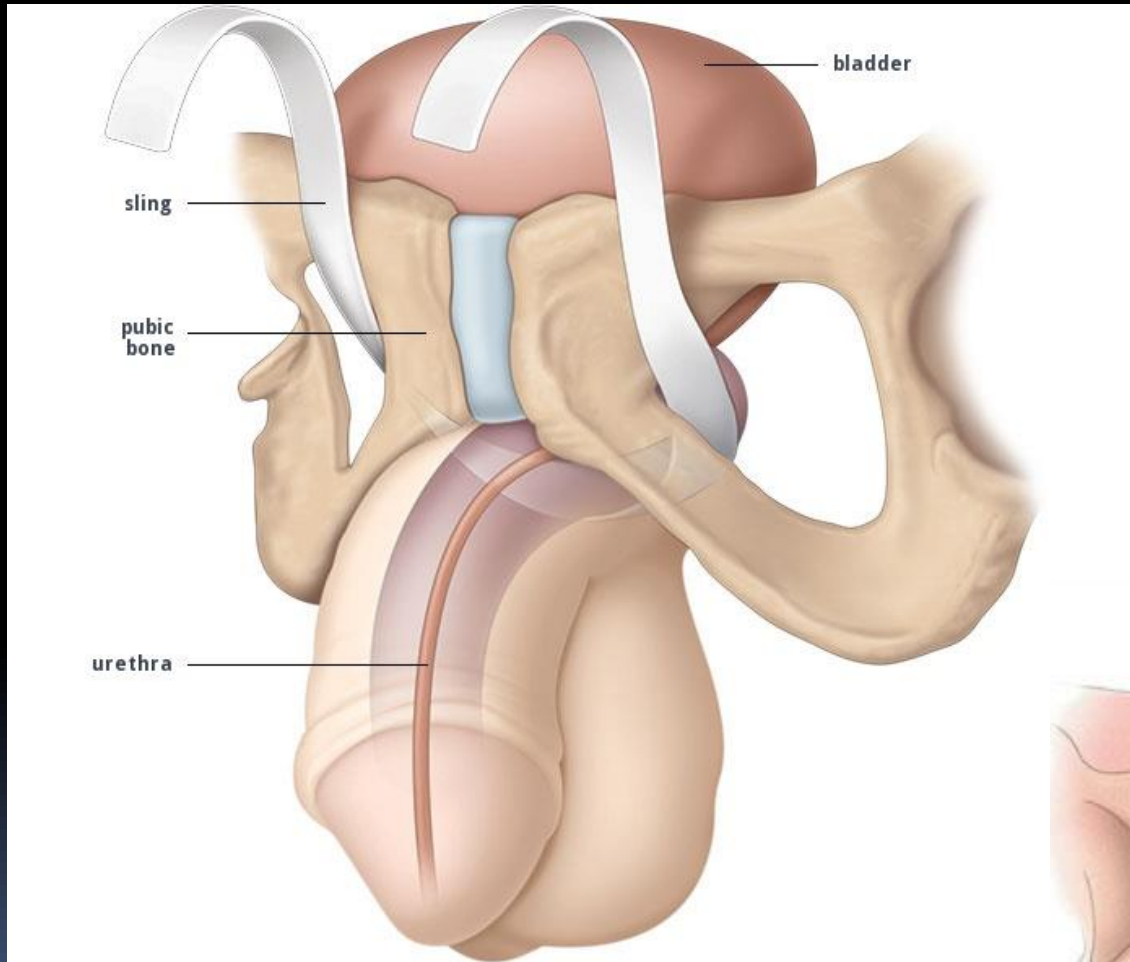
Bulking agents - silicone implants into bladder neck



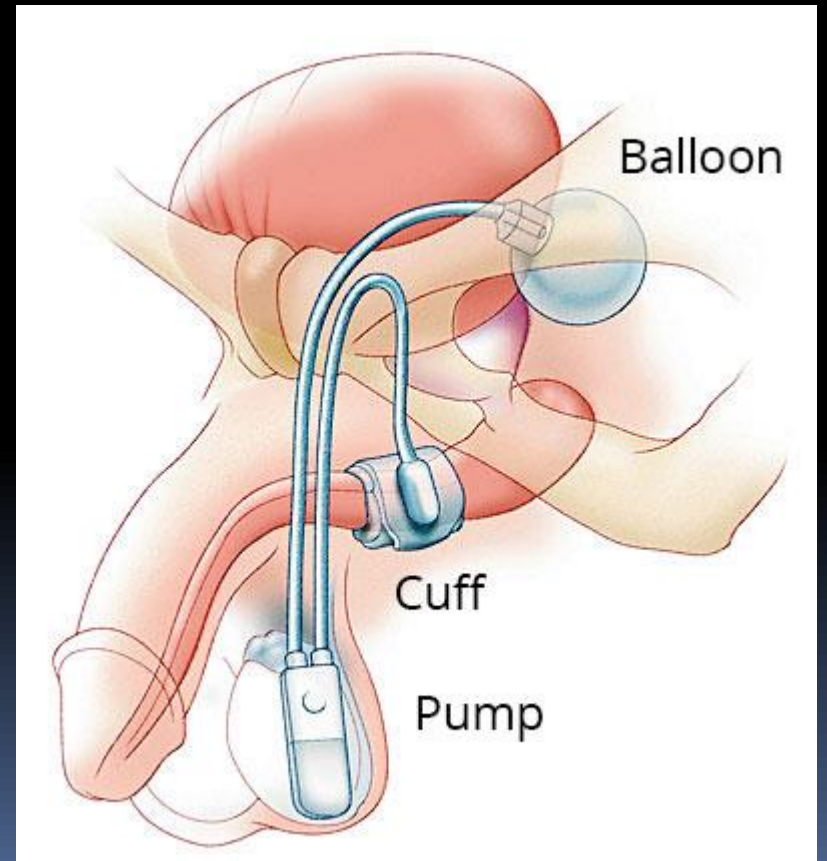
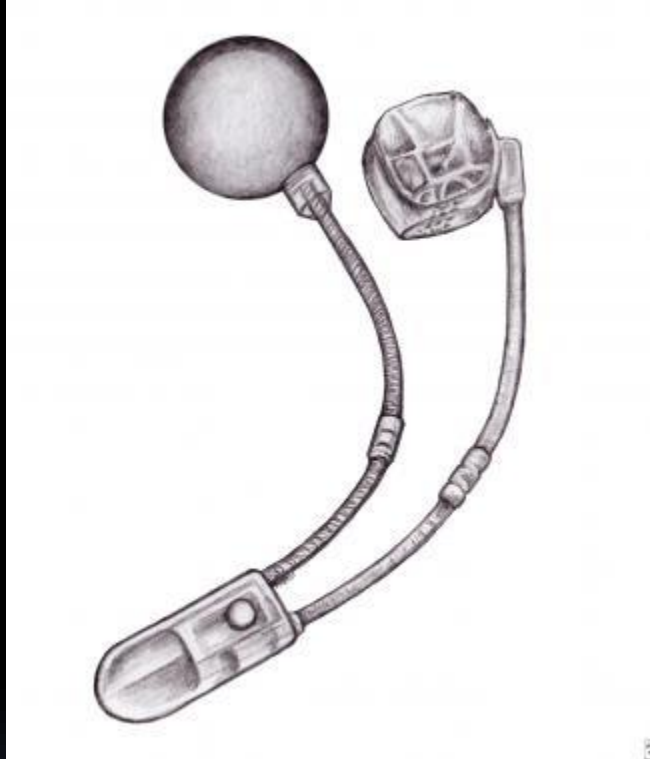
Urethral sling



Male urethral sling



AUS



Hyperactive bladders

- Intermittent catheterisation
- Diet and fluids
- Pelvic floor exercises
- Bladder retraining/bio feedback



Pharmacological

- Anticholinergics
- Antispasmodics
- Tricyclic antidepressants
- Intravesical agents

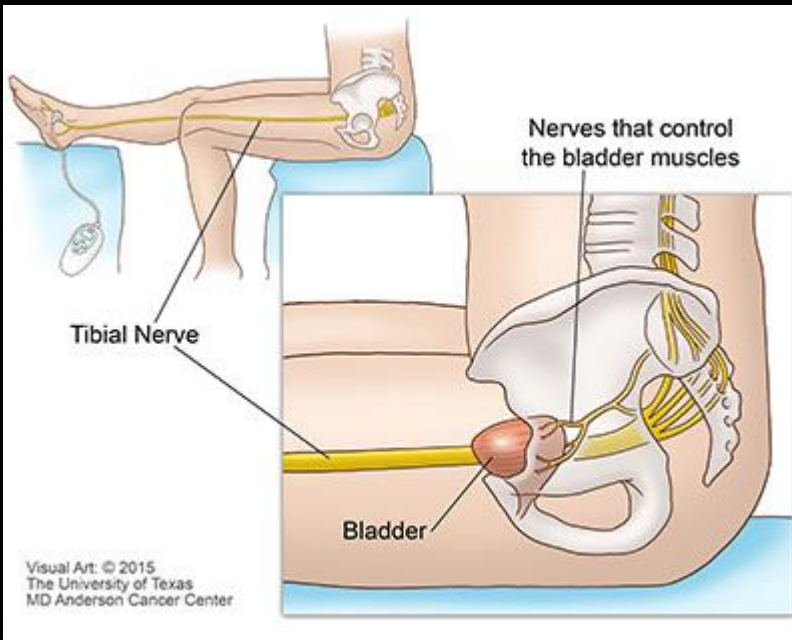


Non Invasive: Overactive Bladders

- Percutaneous Tibial Nerve Stimulation (PTNS)
- Acupuncture



PTNS

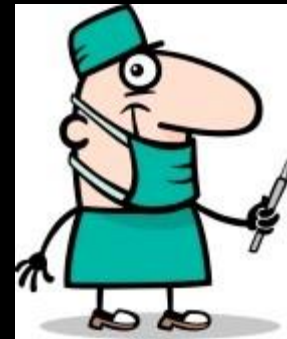


Acupuncture

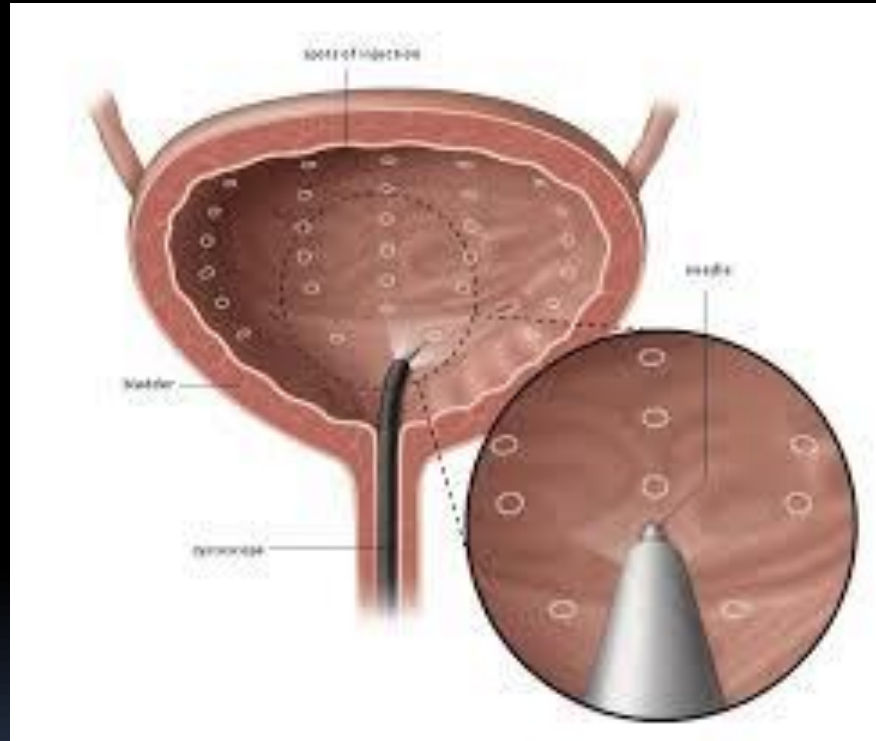


Surgery – overactive

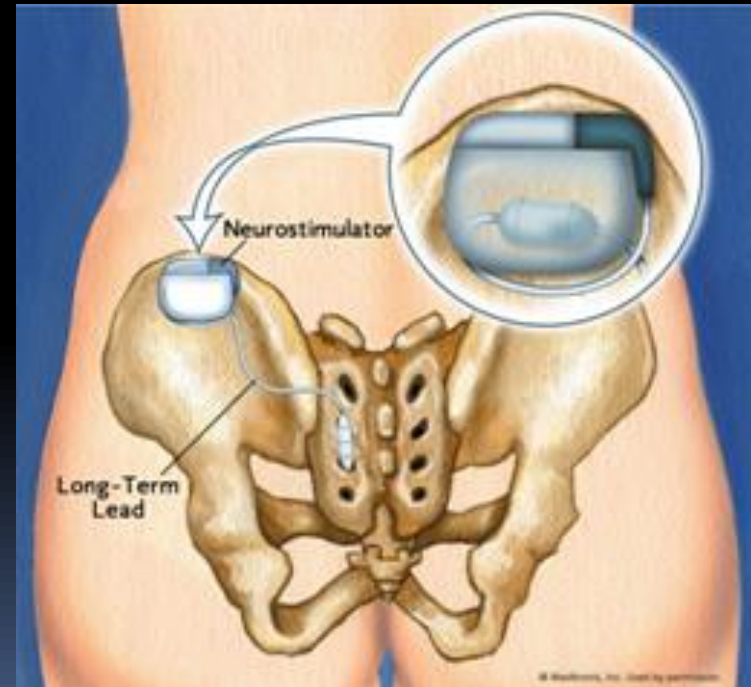
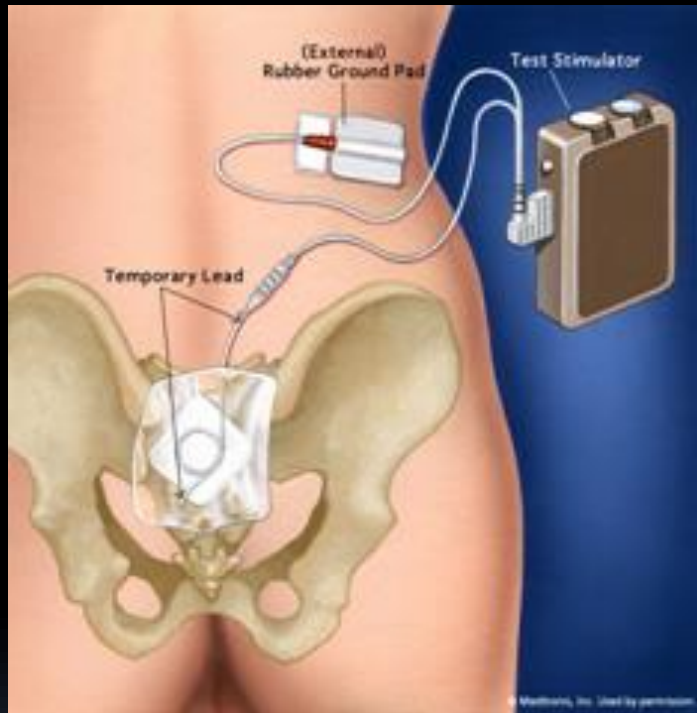
- BOTOX
- Sacral nerve stimulation
- Enterocystoplasty
- Continent urinary diversion
- Ileal conduit



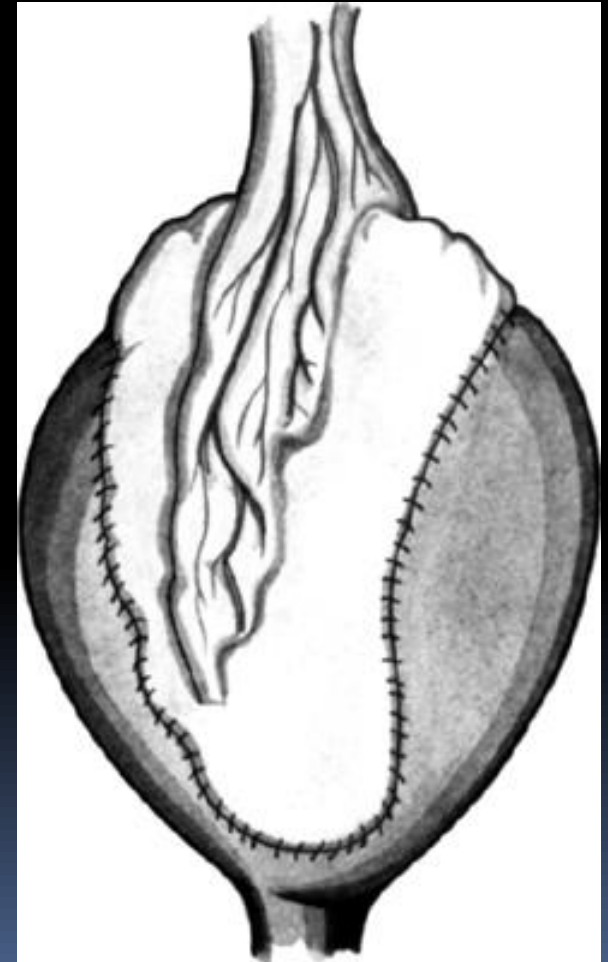
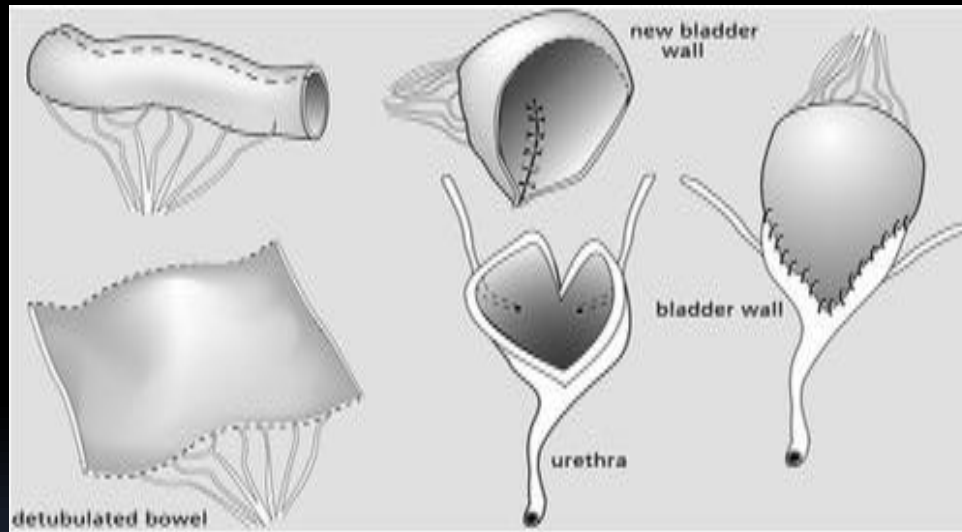
BOTOX



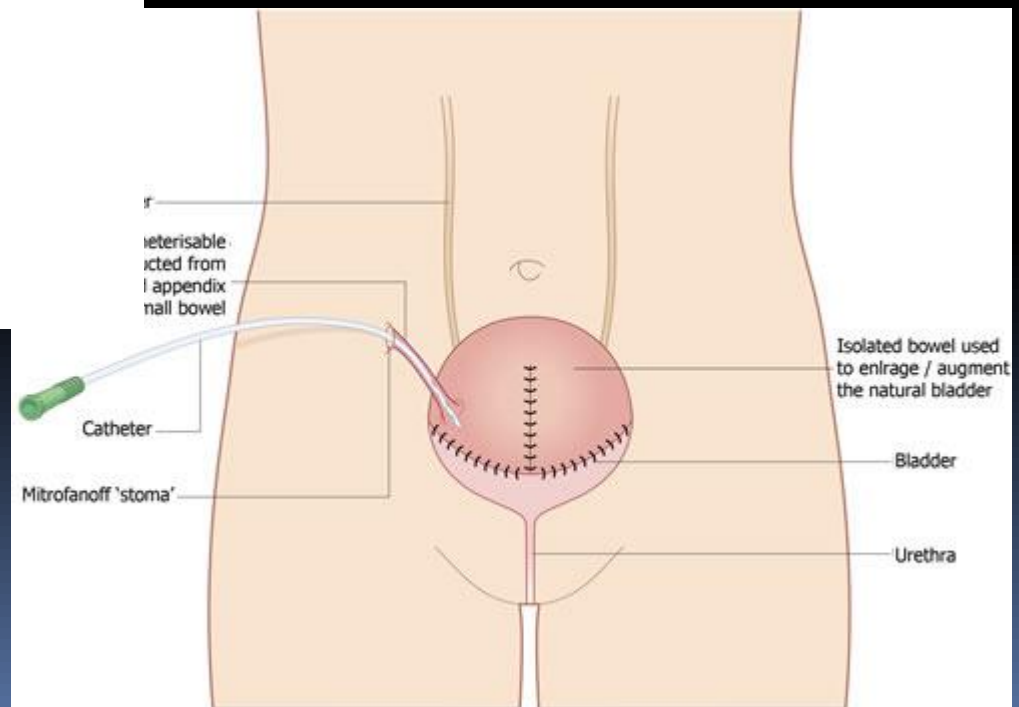
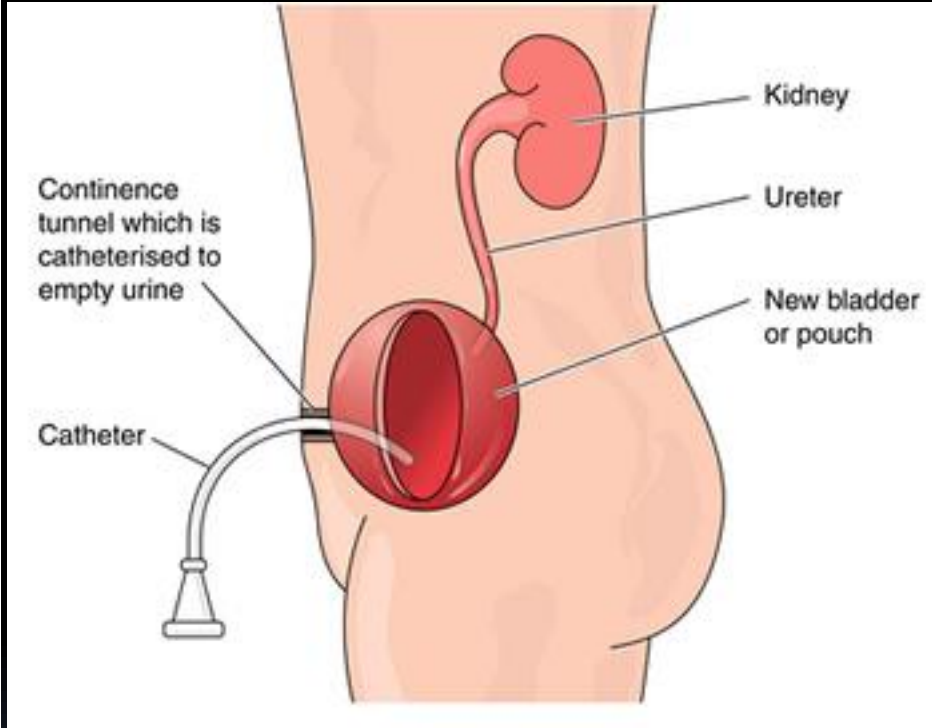
Sacral Nerve Stimulation



Clam cystoplasty



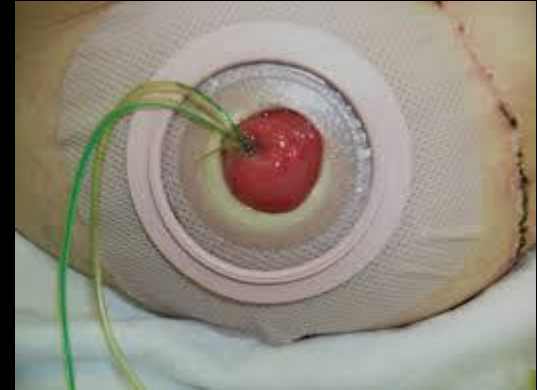
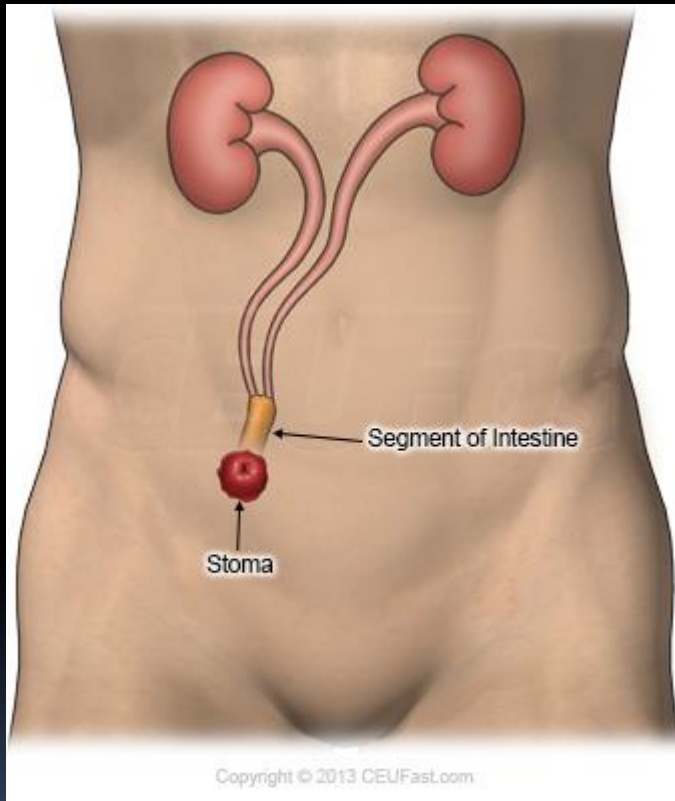
Mitrofanoff



Mitrofanoff



Ileal Conduit





THANK YOU