1) **Purpose of measuring bladder pressure**

- Evaluate the effect of the Oxybutynin treatment
- Check if the full bladder has a safe pressure = below 30cm H₂O water

**NOTE:** in case of a bladder infection, bladder measurement is not useful because the bladder muscle reacts to the infection

2) **Two Simple techniques**

1. Fill bladder with normal saline solution to a maximum of 5 to 10ml/min

2. Measure with feeding tube after natural filling
➢ Give a clear explanation to mother and child

➢ Put the child in a comfortable lying position

**Technique 1: Filling of bladder with normal saline solution of 0,9%**

**Necessary materials:**

- Normal saline solution
- Three-way tap
- Infuse set
- Catheter
- Measuring tube (water manometer)
- Collecting bowl
- Disinfectant
- Compress
**Technique:**

- Collect the necessary materials
- Place the catheter in the bladder, empty the bladder and record the catheterized volume
- Connect the three-way tap to the catheter
- Connect the measuring tube and the infuse to the tap

- Hold the tubes at the level of the urethra = same height as bladder entrance
- Close the three-way crane at measuring tube
- Let normal saline slowly run at a maximum of 5-10ml /min
- If there is urine loss outside the catheter: stop the saline infusion and open the three-way tap at measuring tube
- The numbers on the measuring tube indicate the bladder pressure
- Catheterize the bladder of the patient after examination and record the quantity
Technique 2: Measuring natural bladder filling with feeding tube

**Necessary materials:**

- Catheter CH 8
- Collection bowl
- Measuring tape

**Technique:**

- Place and secure the catheter
- Close off the catheter and secure on the belly
- If there is leaking along the catheter, keep the catheter upright and open at the top
- Place measuring tape on pubic bone (= +/- height bladder entrance)
- Hold the catheter alongside the measuring tape
- Read the bladder pressure
- Catheterize bladder and measure quantity
- After catheterization of the bladder, the basic pressure can be measured