

UROFLOW MAXIMUM FLOW RATE NORMAL RANGES

Gender / Age	Uroflow Qmax (ml/sec)
Males < 40 years old	> 25
Males 40-60 years old	15-25
Males > 60 years old	> 15
Females	> 15

| **CYSTOMETRY** |

- Patient has a small (6-8 French), specialized Foley catheter inserted, then measurements are taken during filling and voiding phases
- The Foley measures the **intravesical pressure (Pves)** and allows filling
 - o Adult fill rate: ~ **50 mL/minute**
 - o Pediatric fill rate: **bladder capacity / 10; or weight in kilograms / 4**
 - * Pediatric bladder capacity (mL)
 - If < 1 year of age = 7 x weight (in kilograms)
 - If > 1 year of age = (age + 2) x 30
- Rectal or vaginal catheter to measure **abdominal pressure (Pabd)**
 - o Start all cystometrograms with a cough to test the setup

$$P_{det} = P_{ves} - P_{abd}$$

- **Detrusor pressure (Pdet) = Pves – Pabd**
 - o Pdet is a calculated value, not a measured value
 - o Normally Pdet has little change during filling, as normal bladders are very compliant