## **Urinary Catheters**

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## **Urinary Catheter Types**







Indwelling Catheter

Intermittent Catheter

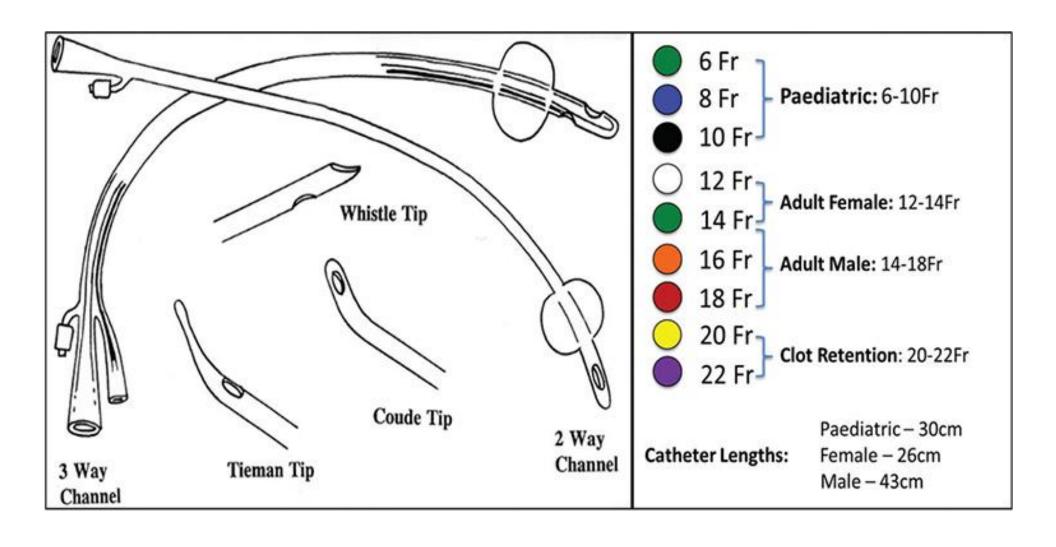
External Catheter

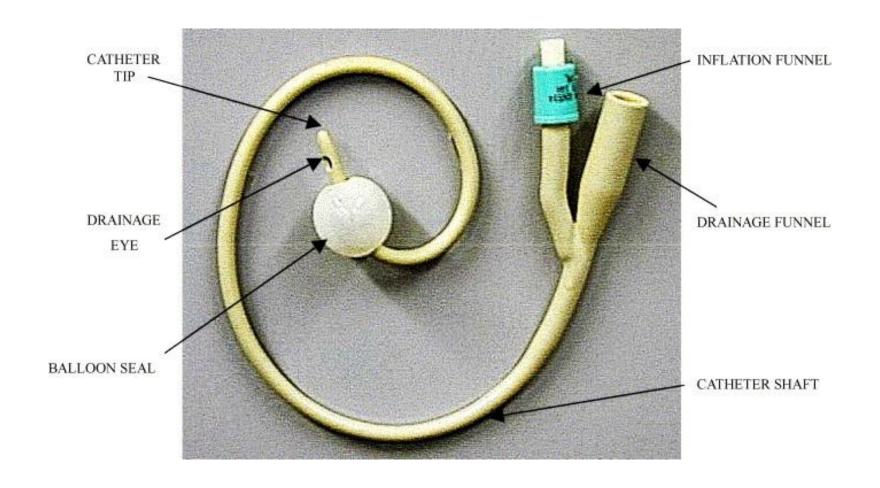


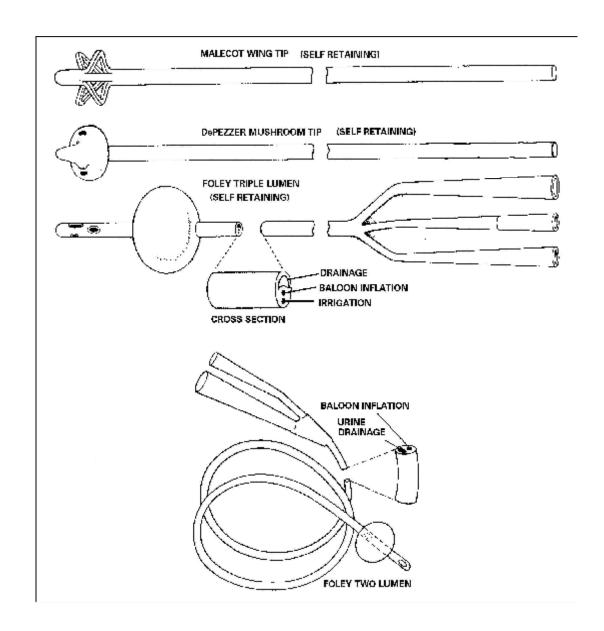
## **Cannula Sizes**

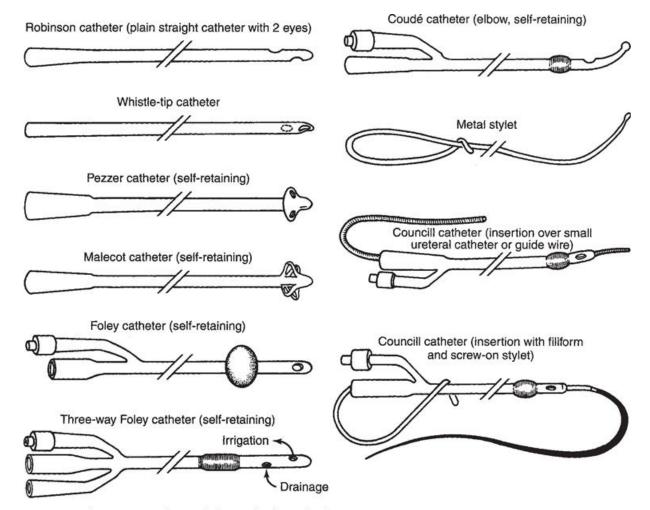


Co	Color		Size Millimeter
	Green	6	2.0
	Blue	8	2.7
	Black	10	3.3
	White	12	4.0
	Green	14	4.7
	Orange	16	5.3
	Red	18	6.0
	Yellow	20	6.7
	Purple	22	7.3
	Blue	24	8.0
	Black	26	8.7









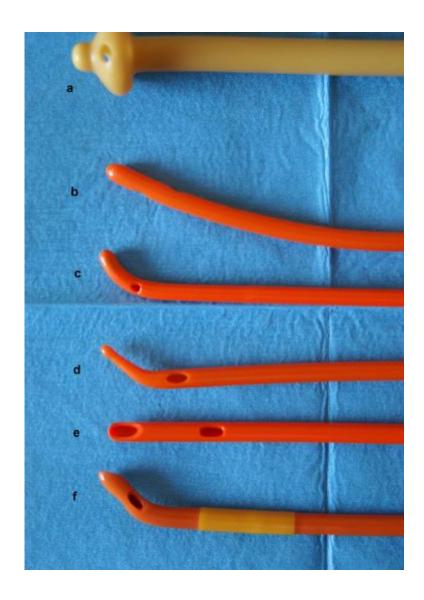
Source: McAninch JW, Lue TF: Smith & Tanagho's General Urology, 18th Edition: www.accessmedicine.com

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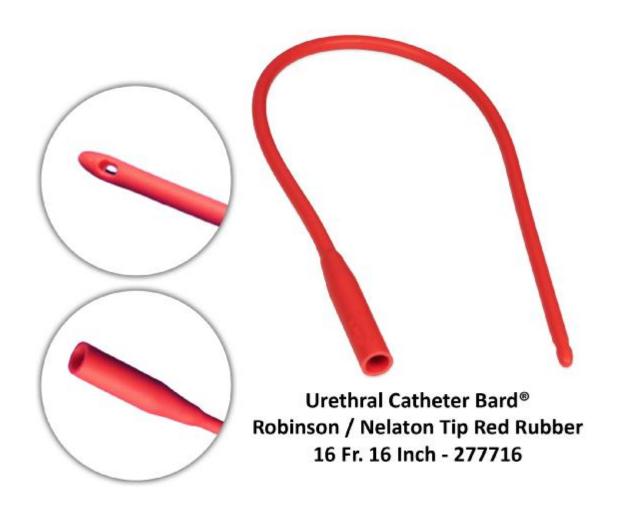




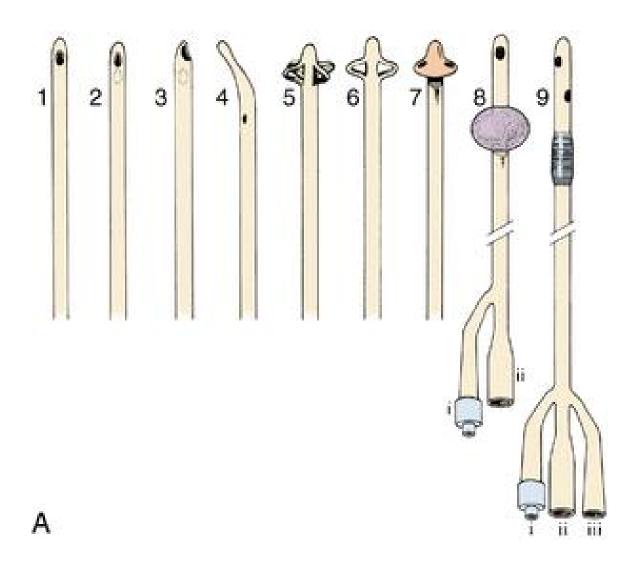




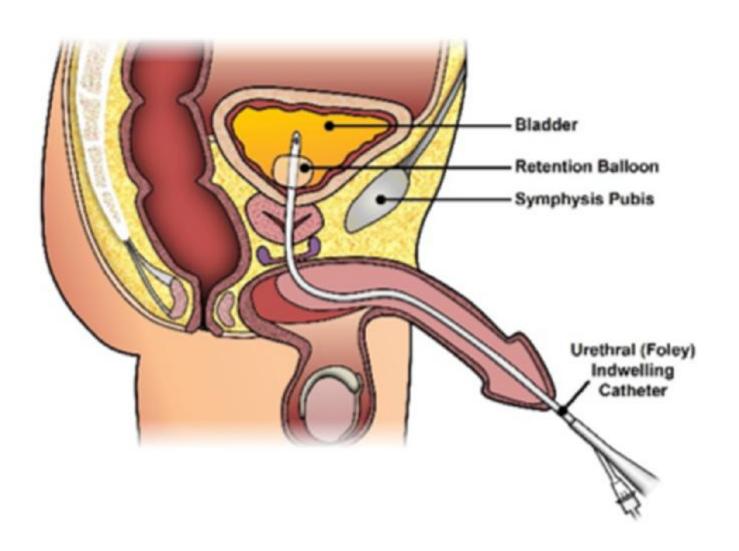






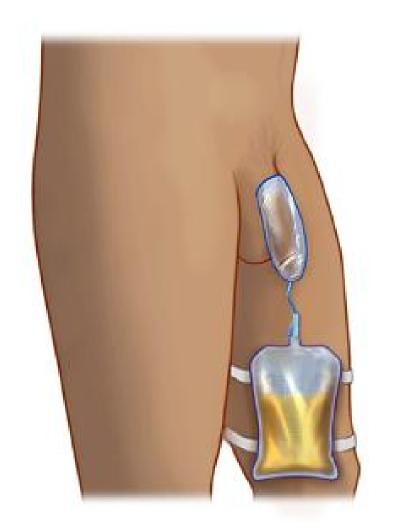


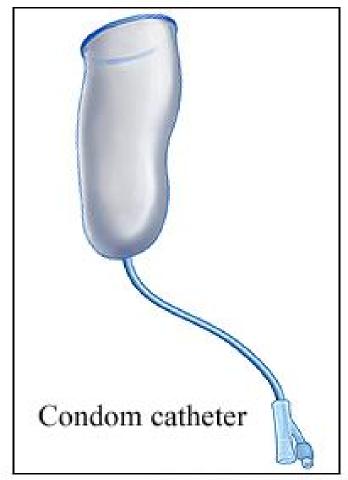




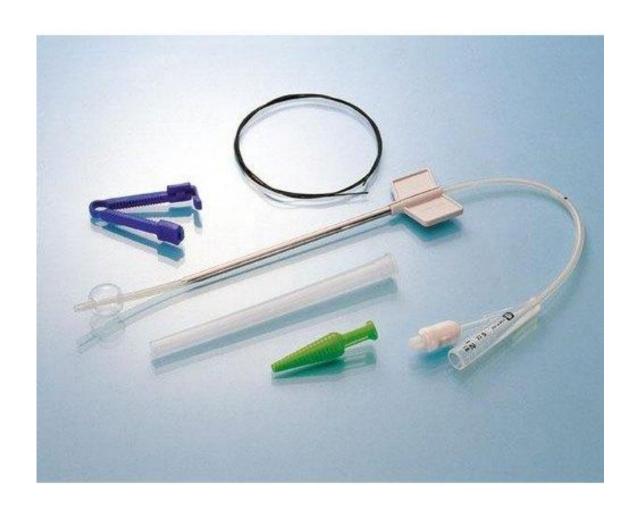






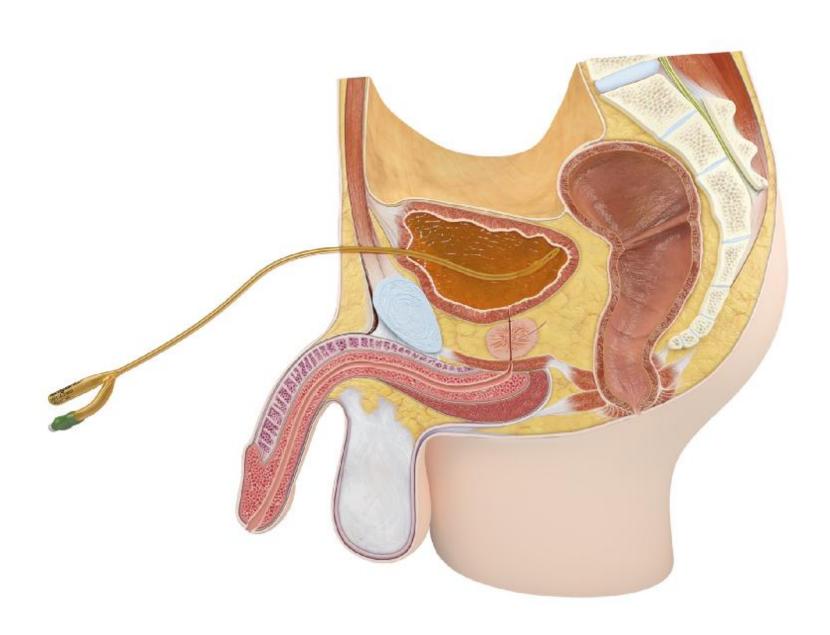


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## Indications of urethral catheterization

therapeutic	acute and chronic retention	
	installation of intravesical medications	
	management of minor urethral and extravesical bladder injuries	
	evacuates and irrigate the bladder in case of clot retention	
diagnostic	assessing the PVRV	
	installation of intravesical contrast	
	obtaining sterile urine sample	
	urodynamic study	
	bladder distension ppprior to ppelvic U/S	
monitoring	intensive care setting including critical patients and intraoperative monitoring	
as a part of surgical procedure	decompresses and localizes the bladder in pelvic surgeries	
	protects and irrigates the bladder after TURT and TURP	
	protects and stents the anastomosis in urethral surgeries	
	localizes the urethra in perineal surgeries	
palliative	facilitates nursing	
	diverts the urine away from wounded or infected area	

contaminations of urethral catheterization		
urethral trauma: established or suspected	suggestive history blood in the meatus high-ridding prostate on DRE butterfly perineal hematoma	
Acute infection	perineal or urethral abscess acute prostatitis	
failure of catheterization	urethral stricture severely distorted urethra by BPH or CAP or pelvic or perineal mass lesion	
allergy to the material of the catheter	e.g. latex rubber allergy	

СО	mplications of urethral catheters
Short-term	urethral trauma: urethral rupture, tear, false passage or hematuria. bladder trauma UTI retained catheter bladder irritation and discomfort catheter blockade leakage from the catheter, urine bag, or around the catheter sexual dysfunction
long-term	colonization malignancy encrustation and calculi formation hematuria stricture urethral sloughing acquired hypospadias damage of urethral sphincter

