Cheatography

urinary system Cheat Sheet by Roxanne (Reuben) via cheatography.com/69645/cs/17832/

Organs of urinary elimination					
Kidneys	removes wastes from the blood in form of urine				
Ureters	Transports urine from the kidneys to the bladder				
Bladder	reservoir for urine until the urge to urinate develops				
Urethra	Urine travells.				
Differences: Female urethra is shorter than male's so more prone to UTIs					
Factors et	ffecting urination				
Factors et		neurogenic bladder, renal failure, etc			
Disease co	onditions ns and medicla	neurogenic bladder, renal failure, etc diuretics, fluids via IV, antidiuretics, anticholinergics,			
Disease co Medication procedures	onditions ns and medicla	diuretics, fluids via IV, antidiuretics,			

Changes with aging

Fluid balance

Prostate enlargement: starst at 40's to 80's. Urinary frequency and possible retention.

Child bearing/hormonal changes/menopause: causes urinary difficulty such as decreased muscle tone, urinary urgency and stress incontinence.

diuresis, fever

Nocturia, polyuria, oliguria, anuria,

Elderly tend to drink less.

Urinary incontinence is not a normal part of aging

Decreased estrogen during & after menopause. increased risk of UTIs because urethral mucosa becomes thinner.

Common Urinary Problems

Urinary retension	bladder is unable to partially or completely empty.	socioeconomic, neurogenic bladder	
Urinary tract infections (UTIs)	nosocomial, bacteriuria, urosepsis	hygiene, holding in, dehydration	
Urinary incontinence	loss of control over voiding		
lots of patients have colonozed bladders, but not considered a UTI.			

Containment Devices

absorbent day pads	Briefs	Condom Catheters
Foley catheters		SPC Subra Pubic Catherizations
Skin care is important		

Catheterizations

Sterilization is extremely important to not introduce pathogens into the urethra.

Type A: straight. single us only

Type B: Indwelling Foley. Has a little balloon filled with sterile water or saline. Has a split section for a syringe and urinary elimination.

Potential sites for infection

insertion point where the tub attaches to the catheter where the tube attaches to bag when too close to the ground bag too full drainage point

SPC caths

CARE - SPC	CARE Urinary cath
inspect stoma daily	handwashing
cleanse stoma	perineal care daily and prn
roll cath between fingers daily	urine drains freely into bag
cath bad below bladder,/ not touching floor	bag not above bladder/ not close to ground
cath secure, prevent pulling on skin.	avoid tube kink
drain when 1/2 - 2/3 full.	maintain aspepsis when emptying bag
change spic, bag, tubing per facility/physician orders	wipe port with alcohol wipes prior to reconnecting when converting to alternate system.
document & care plan.	

- no longer take samples from cath bag. most residential patients will be colonized.

- mid-stream is how to take a sample.

policy states that cath has to be removed and sample taken from new cath. do we need a CNS for this patient?



By **Roxanne** (Reuben) cheatography.com/reuben/

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Normal characteristics of urin

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Kegels

Volume: >30mls per hour (intke/out	tput) 1200-1500mLs per 24hrs. Void	d squeeze pelvic muscles slowly increasing intensity over 8 seconds
4/5x/day		hold for 8 sec
Sterile colour: pale straw to amb concentration	per, depends on clarity: transparent	t relax slowly over 8 sec
oH Specific gravity 1.010-2.0	No glucose, keton	
4.5-8.0	or blood	es s
odour: mild ammonia in nature		bladder scanner: see what kind of catheter is right for the patient. help determine for full bladder and post-void residuals. PVR (post void
Colors caused by medications		residual).
	je: sulphas; pyridium; warfarin	Catheter assessment
ink/red: ex-lax; dilantin green/	/blue: amitriptyline; methylene blue	asses meatus for swelling, redness, or discharge
rown/black: iron;levodopa; nitrofur	antoin; metronidazole	patient, bed soaker pad, fram attached
		no kinks
pecimen collection		approx vol in drainage bag. bag not touching floor.
inalysis (u/a): ph, presence of pro ucose, ketones, blood, specific gr	ravity SG midstream, sterile	to drain bag place cylinder on floor and drain into without touching the cylinder.
	colelction cup	assess urin color, smell, and texture when draining, close bag properly
	-towning allow actual on	note volume. dispose urine according to policy.
Irine culture: may need 72hrs to de acterial growth.	etermine clean coided or midstream, sterile collection cup.	condom cath
		condom
ime collections- 12/24hrs: no urine	or toilet clean receptacle, store	d externally, less invasive,
issue contamination	until collection finished	. not too tight, not too loose
		check id band, allergies? latex.
Asssiting urination		get supplies ready
promote bladder emptying and rela	xation	wash up client. pericare.
bladder re-training, bladder diary, v	oiding regular intervals, 5-7x/day	cleanest to dirtiest.
strengthening pelciv floor muscles ((kegels)	
precent infection, avoid indwelling o	caths.	
encourage activity/mobolity -> redu	ices pressur ulcers and possible nee	d

encourage activity/mobolity -> reduces pressur ulcers and possible need for indwelling cath.

drug therapy



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