

7/31/24

AUSCULTATION

• AUSCULTATE BEFORE PALPATION AND PERCUSSION

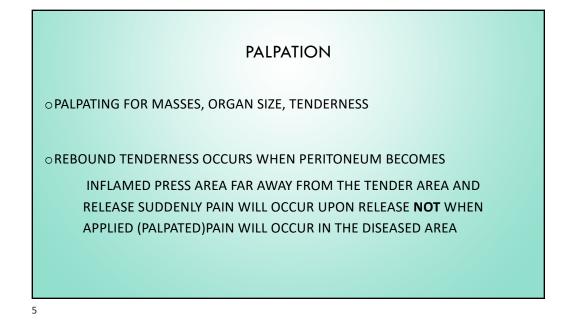
 LISTEN FOR BOWEL SOUNDS: HYPOACTIVE LESS THAN 3-5/MINUTE NORMAL 5-30 SOUNDS PER MINUTE HYPERACTIVE GREATER THAN 30 PER MINUTE NO BOWEL SOUNDS-AFTER 2-5 MINUTES IN ALL 4 QUADRANTS

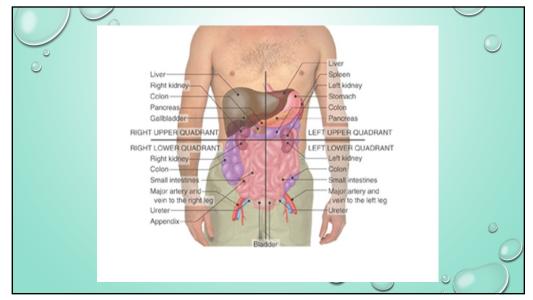
• LISTEN FOR BRUITS (USE BELL SIDE OF STETHOSCOPE)

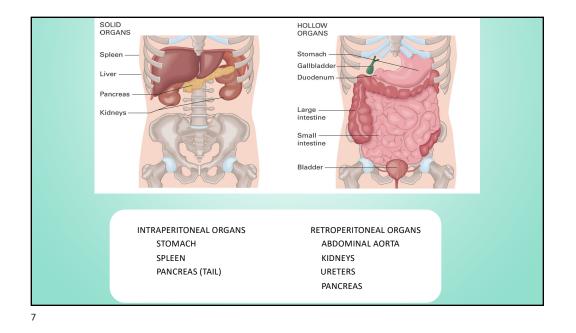
PERCUSSION • ASSESS FOR TYMPANY AND DULLNESS • ASSESS ORGAN SIZE-LIVER • ASSESS FOR ASCITES

4

7/31/24







Right - Choleilthiasis/ Choleoystiis - Cholangtis - Parcetaitis - Parcetaitis - Parcetaitis - Fizhugh Curtis - Rieferred pain (pulmonary/cardiac)	Visceral pain from stomach, proximal duodenum, liver, pancreas and bilary structures Peptic Utor Disease Peptic Utor Disease Peptic Utor Disease Petroversis Peterred pain (pulmonary/cardiac)	Left • Peptic Uicer Disease • Gastritis • Pancreatis • Pancreatis • Referred pan (pulmonaryicardiac)	
Kidney stones Complicated urinary tract infection Anterior Cutaneous Nerve Entrapment Syndrome Shingles Liver pathology Referred pain from RUCYFLO	Visceral pain from distal small intestine and proximal colon Pancreatitis Early appendicits Incarcerated umbilical hemia Inflammatory bowel disease Small bowel obstruction	Kidney stones Complicated urinary tract indection Anterior Cutaneous Nerve Entrapment Syndrome Shingles Referred pain from LUQ/LLQ	
Diverticultitis (Asian descent) Appendicitis Inflammatory bowel disease Kidney storel Ovarian Torsion Ectopic Pregnancy Testicular Torsion	Visceral pain from distal colon,rectum and intraportioneal genitourinary structures. Sigmoid volvulus inflammatory bowel disease Oistal kidney stones Oistal kidney stones Oystitis (bladder infection)	Diverticulitis Kidney stone Ovarian Torsion Ectopic Pregnancy Testicular Torsion	

ABDOMINAL PAIN

OMOST COMMON MEDICAL CAUSE: GASTROENTERITIS

OMOST COMMON SURGICAL CAUSE: APPENDICITIS

• ACUTE SURGICAL ABDOMEN: PAIN COME BEFORE VOMITING • MEDICAL CONDITIONS: VOMITING STARTS FIRST

CAUSES OF ABDOMINAL PAIN 5-18 YO

MEDICAL

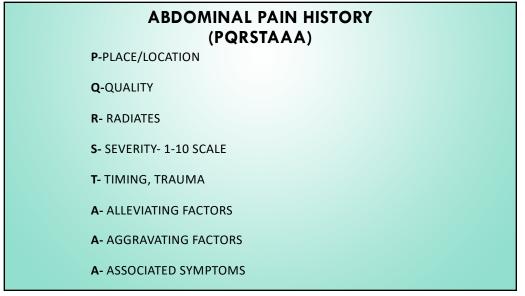
- GASTROENTERITIS/FOOD POISONING
- FOOD ALLERGIES/INTOLERANCE
- CONSTIPATION
- FUNCTIONAL ABDOMINAL PAIN
- UTI/PYELONEPHRITIS
- STREP THROAT/MESENTERIC ADENITIS
- ABDOMINAL MIGRAINES
- RESPIRATORY ILLNESS-PNA
- SICKLE CELL
- IBD
- PANCREATITIS
- PARASITIC INFECTIONS

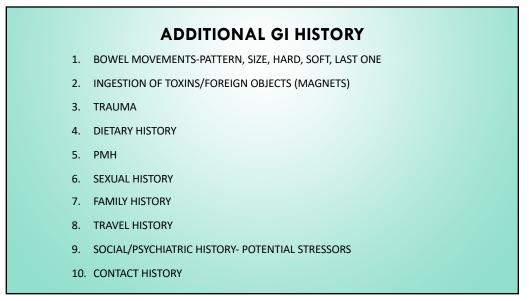
- SURGICAL
- APPENDICITIS
- TESTICULAR TORSION
- OVARIAN TORSION
- INTESTINAL OBSTRUCTION
- CHOLECYSTITIS
- STRESS
- TRAUMA
- TOXIN/FB INGESTION

CAUSES OF ABDOMINAL PAIN IN ADOLESCENTS

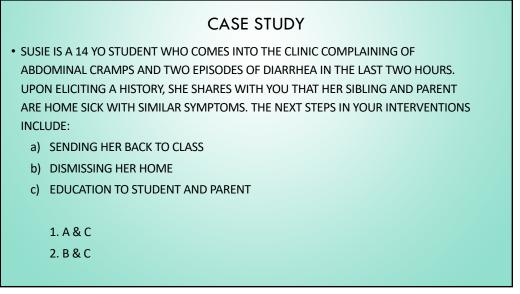
MEDICAL	SURGICAL
GASTROENTERITIS/FOOD POISONING	APPENDICITIS
FOOD INTOLERANCES	TESTICULAR TORSION
CONSTIPATION	OVARIAN TORSION
FUNCTIONAL ABDOMINAL PAIN	INTESTINAL OBSTRUCTION
GERD	ECTOPIC PREGNANCY
UTI/PYELONEPHRITIS	DYSMENORRHEA
STREP THROAT	CHOLECYSTITIS
OVARIAN CYSTS/OVULATION	
PID	TRAUMA
URETERAL COLIC	TOXIN INGESTION
PANCREATITIS	STRESS

CAUSES OF ABDOM	INAL PAIN FROM OUTSIDE THE ABDOMEN
SYSTEMIC	THORACIC
DKA	М
ALCOHOLIC KETOACIDOSIS	ANGINA
UREMIA	PNEUMONIA
SICKLE CELL	
SLE (LUPUS)	PULMONARY EMBOLISM
VASCULITIS	HERNIATED THORACIC DISC
HYPERTHYROIDISM	
	ABDOMINAL WALL
тохіс	MUSCLE SPASM
METHANOL POISONING	HEMATOMA
HEAVY METAL TOXICITY	HERPES ZOSTER
SCORPION BITE	
BLACK WIDOW BITE	
	INFECTIOUS
GU	STREP THROAT
TESTICULAR TORSION	MONONUCLEOSIS
RENAL COLIC	ROCKY MOUNTAIN SPOTTED FEVER

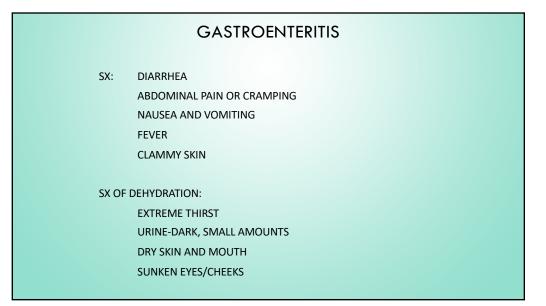




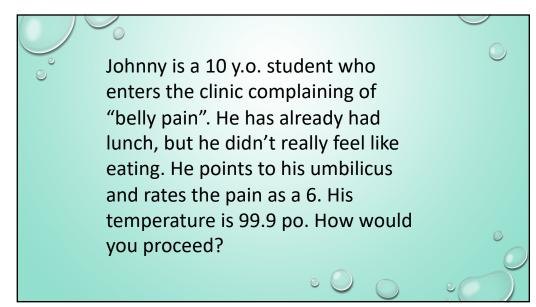


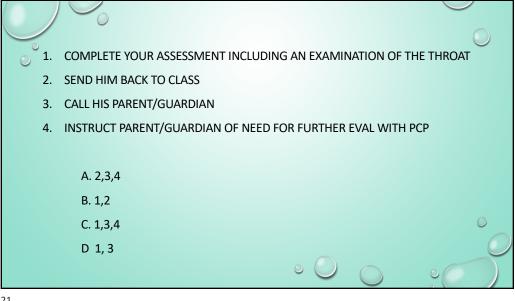


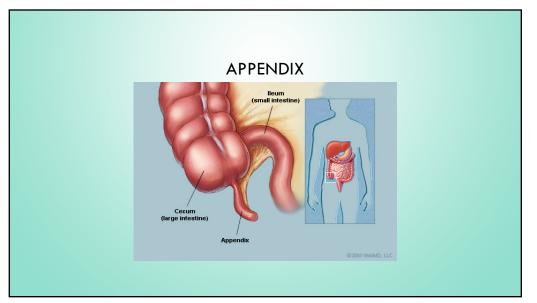
GAS	TROENTERITIS
INFLAMMATION OF GI TRAC	CT CAUSED BY AN INFECTION
VIRAL INFECTIONS, (MC DIARRHEA CASES	OSTLY ROTAVIRUS):75-90% OF INFECTIOUS
ROTAVIRUS	S ENTERIC ADENOVIRUS
NOROVIRU	IS ASTROVIRUS
BACTERIAL CASES:10-20	0%
o SALMON	ELLA SHIGELLA
o CAMPYLC	OBACTER YERSINIA
o ECOLI	CDIFF
PARASITES: 5%	
○ GIARDIA	CRYPTOSPORIDIUM

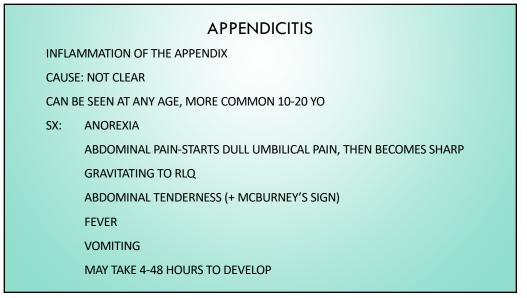


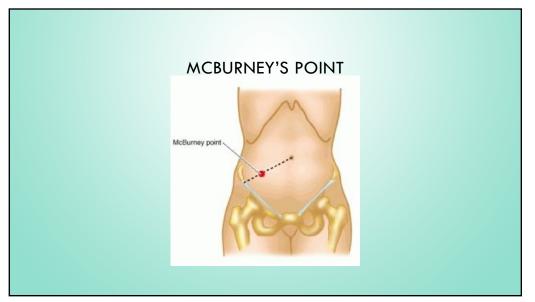












ADVANCED ASSESSMENT FOR APPENDICITIS

ROVSING SIGN-PAIN IN RLQ ON PALPATION OF LEFT SIDE OF ABDOMEN

PSOAS SIGN- PLACE HAND ABOVE RIGHT KNEE – ASK PT TO PUSH UP AGAINST YOUR HAND. IF APPENDIX INFLAMED THE CONTRACTION OF THE PSOAS MUSCLE CAUSES PAIN IN RLQ

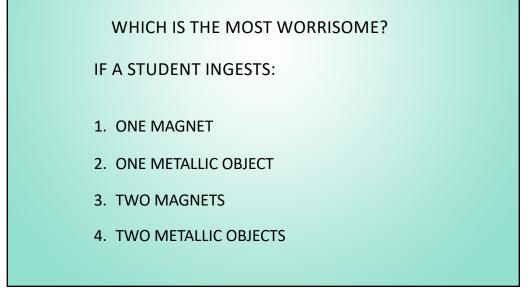
OBTURATOR SIGN- PAIN IN RLQ ON INTERNAL ROTATION OF FLEXED RIGHT THIGH

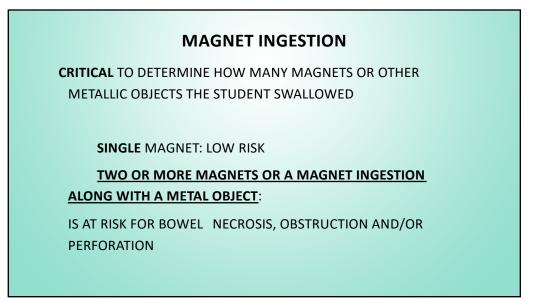
VIDEO OF THESE TESTS

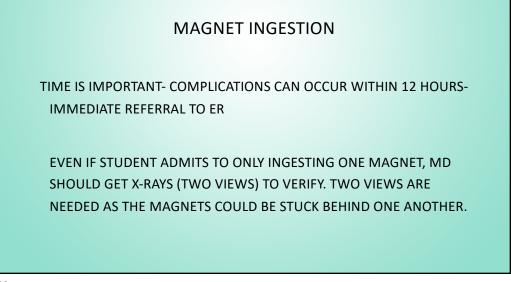
MARKLE SIGN (HEEL DROP JARRING TEST) – HAVE STUDENT STAND ON TOES, THEN SUDDENLY DROP DOWN ONTO THEIR HEELS WITH AN AUDIBLE THUMP- IF PAIN IS LOCALIZED UPON LANDING - + SIGN: SUGGESTIVE OF A POSITIVE APPENDICITIS.

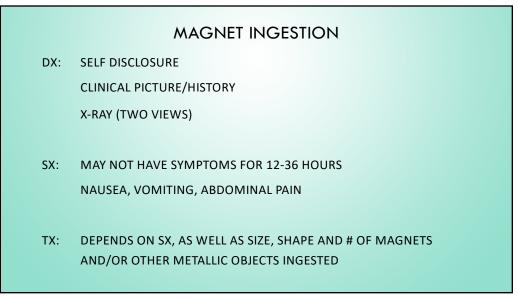
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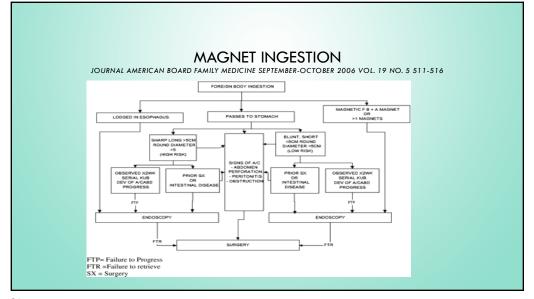
APPENDICITIS
DX: CLINICAL PICTURE LAB WORK- ELEVATED WBC, U/A TO R/O UTI IMAGING: US OR CT SCAN
TREATMENT: APPENDECTOMY

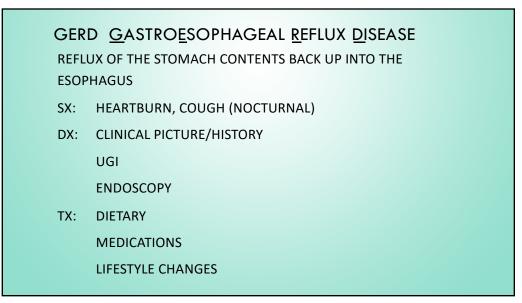






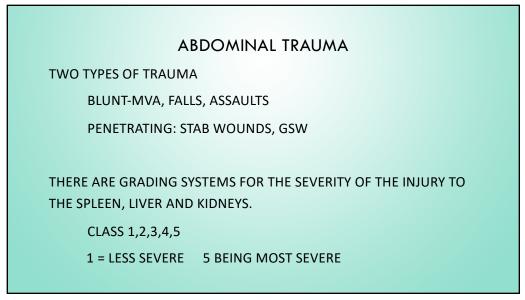






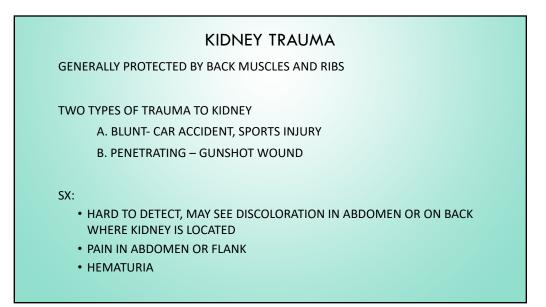
FUNCTIONAL ABDOMINAL PAIN CAN NOT BE EXPLAINED BY ANY VISIBLE OR DETECTABLE
ABNORMALITY AFTER THOROUGH A EXAM AND TESTING
POSSIBLE NERVE SIGNALS MAY CAUSE THE GUT TO BE MORE SENSITIVE TO TRIGGERS THAT DON'T NORMALLY CAUSE PAIN- STRETCHING, BLOATING
COMMON, APPROXIMATELY ALL 25% OF ALL PEDI GASTRO VISITS
ANXIETY/DEPRESSION AND OTHER PSYCH DISORDERS MAY EXAGGERATE

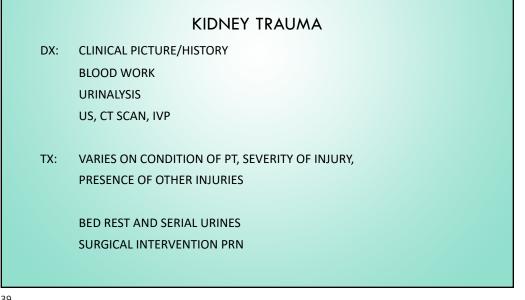
	FUNCTIONAL ABDOMINAL PAIN
SX:	USUALLY UMBILICAL PAIN
	PATTERN AND LOCATION UNPREDICTABLE
	MAY HAVE N,V,D,C AND EARLY SATIETY
DX:	HISTORY AND NEGATIVE FINDINGS AND NEGATIVE TEST RESULTS
TX:	REASSURANCE TO CHILD AND FAMILY THAT PAIN IS REAL
	SUPPORTIVE/EDUCATION
	MEDS MAY INCLUDE ANTISPASMODICS, ACID REDUCERS,
	LAXATIVES PRN, LOW DOSE TRICYCLIC ANTIDEPRESSANTS
	DIET: MAY TRY ELIMINATING- GREASY, SPICY FOODS, CAFFEINE,
	SORBITOL, GAS PRODUCING FOODS



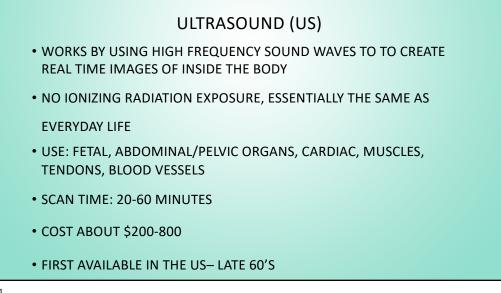
SPLEER	N INJURY AND KIDNEY INJURY GRAL	DES AND MANAGEMENT - SIMPLIFIED
GRADE	SPLEEN INJURY	KIDNEY INJURY
1	Subcapsular Hematoma < 10% Laceration <1 cm	Subcapsular Hematoma
2	Subcapsular Hematoma - 10 - 50% Laceration 1 - 3 cm	Subcapsular Hematoma Laceration < 1 cm
3	Subcapsular Hematoma > 50% Laceration > 3cm www.openmed.co.in	Laceration > 1 cm
4	> 25% Vascular Loss (Hilum Injury)	Partial Vascular Loss (Injury to Medulla)
5	Complete Vascular Loss Shattered Spleen	Complete Vascular Loss Shattered Kidney
AANAGEMENT	GRADE 1,2,3 - OBSERVATION (If Vitals are stable) GRADE 4,5 - SPLENECTOMY.	GRADE 1,2,3,4- OBSERVATION (If Vitals are stable) GRADE 5 - IMMEDIATE EXPLORATION











CAT (CT) SCAN COMPUTED AXIAL TOMOGRAPHY

- SPECIALIZED TYPE OF X-RAY
- X-RAY TUBE ROTATES AROUND PERSON AND COLLECTS DATA
- SMALL DEGREE OF RADIATION EXPOSURE
- CAN BE DONE WITH OR WITHOUT CONTRAST
- VERY GOOD FOR BONEY STRUCTURES, LUNG AND CHEST IMAGING
- RELATIVELY QUICK SCAN- ABOUT 5 MINUTES
- CHEAPER THAN MRI'S –ABOUT HALF THE PRICE
- FIRST AVAILABLE IN 1971



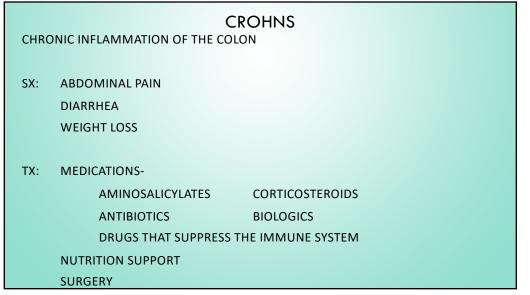
MRI (MAGNETIC RESONANCE IMAGING)

- USES MAGNETS AND RADIO WAVES TO CREATE IMAGES, NO RADIATION EXPOSURE
- VERY HIGH DETAIL OF SOFT TISSUES, NOT GOOD FOR BONES
- ALSO USED TO SPINAL CORD AND BRAIN TUMORS
- SCAN TAKES ABOUT 30 MINUTES
- COSTS MORE THAN A CT SCAN
- CAN'T BE USED IN PTS WITH PACERS, TATTOOS AND METAL

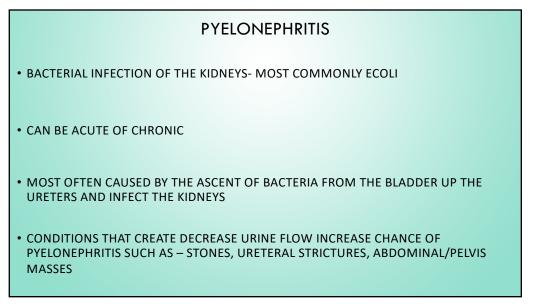
IMPLANTS

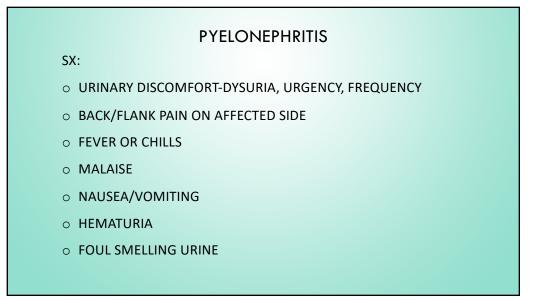
• FIRST AVAILABLE IN 1981

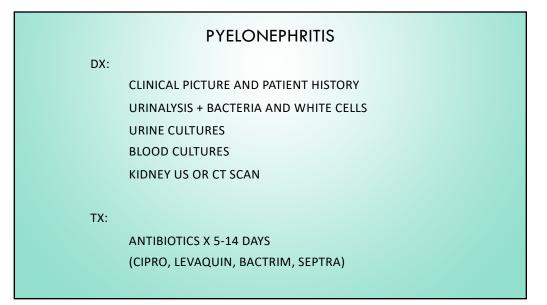




Difference	Crohn's	Ulcerative Colitis
Location	May occur anywhere along GI tract	Usually only occurs in large intestine
Inflammation	May occur in patches	Continuous throughout large intestine
Pain	RLQ	LLQ
Appearance	Ulcers in digestive track are deep and may extend into all layers of bowel wall	Ulcers do not extend beyond inner lining
Bleeding	Not common	common









• INCREASE FLUIDS, ESPECIALLY WATER

(CRANBERRIES CONTAIN SUBSTANCES THAT PREVENT

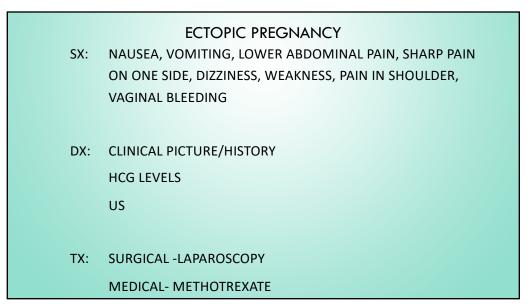
ECOLI FROM STICKING TO THE BLADDER WALLS)

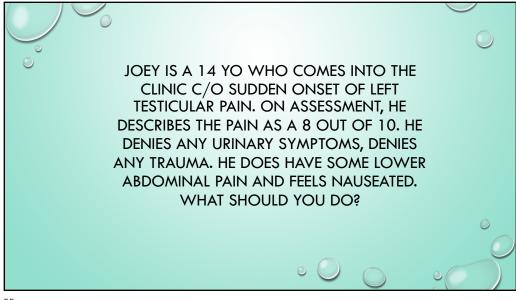
- EMPTY BLADDER FREQUENTLY- DON'T POSTPONE URINATION
- EMPTY BLADDER BEFORE AND AFTER SEX
- PROPER HYGIENE-FRONT TO BACK
- TAKE SHOWERS INSTEAD OF BATHS

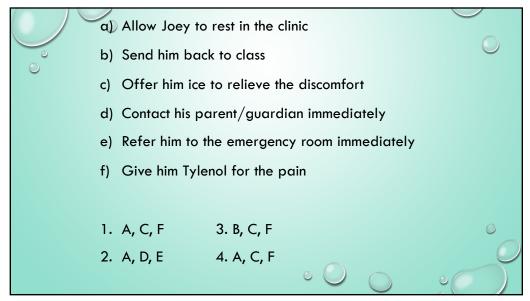
51

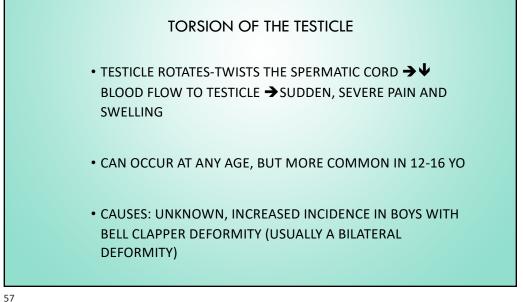
	RENAL COLIC
SX:	PAINFUL URINATION
	HEMATURIA
	SHARP ABDOMINAL OR FLANK PAIN, WHICH MAY RADIATE TO GROIN AREA
	NAUSEA AND VOMITING
DX:	CLINICAL PICTURE AND HISTORY
	BLOOD AND URINE RESULTS
	ULTRASOUND
TX:	DEPENDS ON SIZE AND LOCATION OF STONE
	PAIN MEDICATION
	HYDRATION
	LITHOTRIPSY
	SURGICAL INTERVENTION

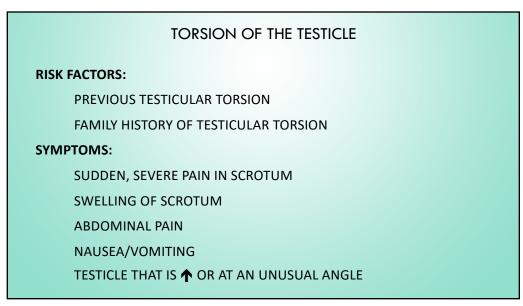


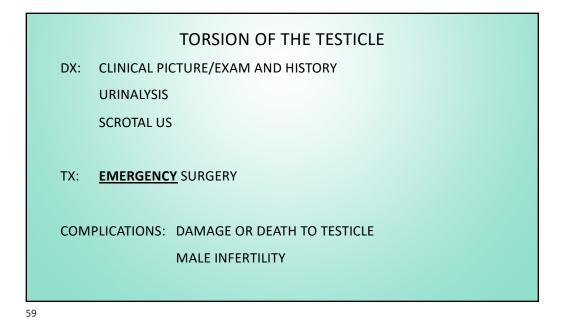


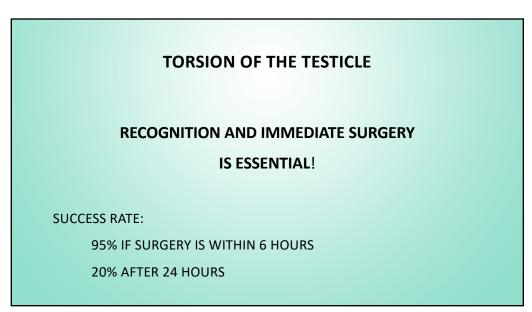


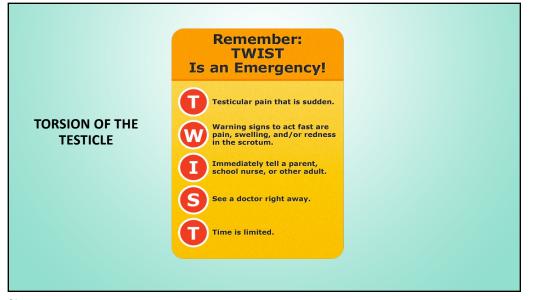


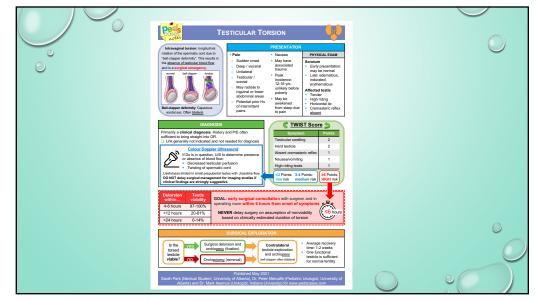


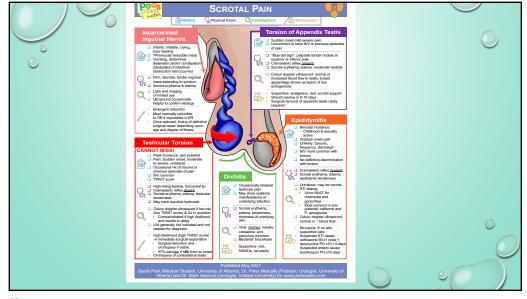


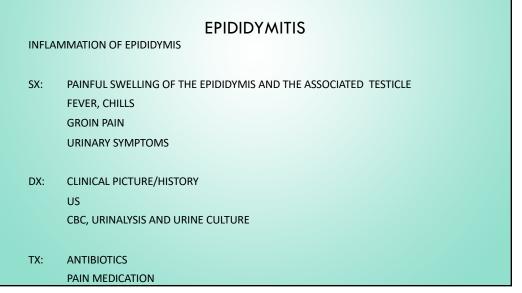


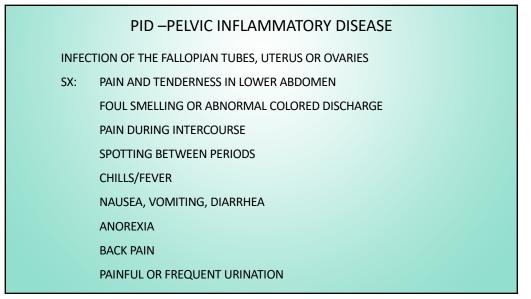












	PID
DX:	CLINICAL PICTURE/HISTORY
	PELVIC EXAM
	CULTURES
	US MAYBE A CT SCAN
TX:	ANTIBIOTICS
	MAY NEED SURGERY I & D FOR ABSCESSES
COM	PLICATIONS: TUBO-OVARIAN ABSCESS
	INFERTILITY
	ECTOPIC PREGNANCY

