	Upper GI Exam	– Water Solu	ble Protocol				
PURPC	SE / CLINICAL INDICATION:						
•	Used when gastric outlet obstruction, duodenal obstruction, or perforation/leak is suspected						
•	 Used if endoscopic procedure or surgery planned to follow 						
•	 Used including immediately post-bariatric surgery 						
SPECIAL CONSIDERATIONS / CONTRAINDICATIONS:							
•	Water-soluble contrast (low-osmol	ar, nonionic) is the prefe	rred initial contrast agent in the				
	settings of suspected perforation:						
	 In case of suspected perforation/extravasation; it minimizes complications from 						
	contrast extravasation into the mediastinum or pleural/peritoneal space.						
	 Should endoscopy be necessary, it is easier for the endoscopist to see through a transparent contract medium than through enague barium. 						
	 Maximum volume of low-o 	smolar nonionic adminis	tered orally is 100 ml				
	ORDERABLE NAME:	EPIC BUTTON NAME:	NOTES:				
UTSW							
PHHS	XR Upper GI	Upper Gl					
	XR Upper GI W Small Bowel		Perform small bowel follow				
	Follow Thitd						
EQUIP	MENT / SUPPLIES / CONTRAST:						
•	Cup and straw x 2						
•	Water-soluble contrast – low-osmolar, nonionic						
•	Thin barium						
PATIEN	IT PREPARATION:						
•	Review for contrast allergy						
•	Review patient's history and prior radiological exams.						
•	If patient cannot take contrast orally, then will require enteric tube for contrast delivery						
	 High cervical esophagus tube position during the procedure will increase the risk for aspiration 						
Contrast will exit both the side hole and endhole							
PROCEDURE IN BRIEF:							
•	Targeted exam in region of concerr	n in the upper GI system					
COMPLETE PROCEDURE TECHNIQUE:							
•	Examine scout film for free intra-abdominal air, gastric distension, colon obstruction, or retained						
	barium						
•	Subtle perforations can be missed by using a water-soluble agent only.						
	 If no perforation is demonstrated using water-soluble contrast, the study should be repeated immediately with this begins 						
•	Dosition nations as unright as can be tolerated						
•	If delivering through enteric tube, position tube and hole above the level of suspected injugy or						
	 In derivering through enteric tube, position tube end note above the level of suspected injury or obstruction 						
	 Keen note of side hole location 						
•	Image during contrast administration, evaluate the entire region of concern.						
	 If no contrast extravasation or other issue identified, reimage in as close to orthogonal 						
	to first imaging as possible						
•	If using water soluble contrast and	no contrast extravasatio	n identified, re-image using thin				
	barium contrast as small extravasations can be missed with water soluble contrastalone						

• Modify as needed especially for patient unable to stand or move on the examtable.

IMAGE DOCUMENTATION:

- Region of interest
 - \circ Scout
 - Orthogonal projections (if possible)
 - Repeat with thin barium if no extravasation identified

ADDITIONAL WORKFLOW STEPS:

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REFERENCES:

- General Fluoroscopy Considerations
- Procedure Contrast Grid
- ACR Practice Parameter for the Performance of Esophagrams and upper Gastrointestinal Examinations in Adults, amended 2014

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