

MECKEL'S DIVERTI UPDATED: APRIL 2		CODE: 78290
Indications:	To establish the presence of Meckel's diverticulum.	
Rationale:	While a Meckel's diverticulum occurs in 1.5-3% of population, clinical symptom 25-30% of these patients.	ms appear in only
Patient Prep:	NPO for a minimum of four (4) hours.	
	In infants, the NPO period should equal the usual feeding interval. No blockin KCIO ₄ or SSKI within previous 48 hours.	ng agent such as
	<u>NEWBORNS</u> : CT scans or contrast studies can affect scan for next 48 hours so should know of such procedures. Pre-treatment with 300 mg (corrected for a (H ₂ -receptor antagonist) every 12 hours for 24 hours proceeding the study (to been suggested, and in difficult cases should be considered when repeat stud contemplated (reduces release of tracer into the bowel). Glucagon, by decre may also enhance identification. Pentagastrin can enhance gastric secretion	ge) of Ranitine HC tal 2 doses) has ies are asing peristalsis,
Scheduling:	60 minutes camera time.	
Radiopharmaceuti & Dose:	cal 10 mCi <u>+</u> 20%(8 to 12 mCi) Tc-99m as pertechnetate injected intravenously. I adjusted for patient weight per NMIS or weight chart.	Dose will be
Imaging Device:	Camera with LEHR collimator.	
Imaging Procedure	ð:	
	Position patient under camera prior to injection of radiopharmaceutical.	
PACS:	All raw images, including the dynamic images, should be sent to the PACS sys screen cap at the dynamic study and of the statics. Annotate static images. caps to PACS.	
Interpretation:	The activity in Meckel's occurs simultaneously with gastric appearance where confusing sites (renal pelvis, inflammatory bowel lesions, intussusceptions, po later. Sensitivity of 85% and specificity of 95% are reported.	
	False Positives: Barium studies and proctoscopy can also cause false positive Radiopharmaceutical may be seen in the renal pelvis and duodenum, and the to separate. If the right renal pelvis is suspected, then look for the left renal partially obscured by the gastric activity. Posterior views and 15 min will sho	e can be difficult pelvis that will be

partially obscured by the gastric activity. Posterior views and 15 min will show the paired nature

of the renal pelvis. Lateral views will help separate duodenum (anterior or mid-abdomen vs posterior kidney).

Comments: A Nuclear Medicine staff or resident physician should be consulted to determine if additional views are indicated.

Reviewed By: S. Perlman, D. Fuerbringer, S. Knishka

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