

 SELECT RADIOLOGY SOLUTIONS A Division of Radiology Imaging Associates	Meckel's Diverticulum Scan		
	Approval: K. Shamlou, MD	rev:2	7/15/2026

Meckel's Diverticulum Scan

Radiopharmaceutical: Tc99m-Pertechnetate

Dose: 5 mCi

T1/2: 6 hours

Energy: 140 keV

CPT: 78290

Indications:

Approved indications include, but are not limited to:

1. Abdominal pain due to possible Meckel's diverticulum.
2. Gastrointestinal bleeding due to possible Meckel's diverticulum.

Pharmacological Intervention:

- 1.0 mg Glucagon IV. Contraindications: Pheochromocytoma, Insulinoma, Known hypersensitivity to glucagon or to any of the excipients, Glucagonoma when used as a diagnostic aid.

Package insert: https://www.accessdata.fda.gov/drugsatfda_docs/label/2022/201849s013lbl.pdf

Patient Preparation:

- NPO for a minimum of 4 hours.

Equipment:

1. GE 830 Discovery – LEHRS collimator

Procedure:

1. Acquire dynamic study, beginning with initial flow, for 60 sec/frame, for 30 frames.
2. Stomach should be in the upper left, and urinary bladder in the lower middle of field-of-view.
3. At 10 minutes post injection, administer Glucagon slowly through IV. Monitor patient's response; describe symptoms and length of symptoms.
4. Following dynamic study, acquire 30 degree RAO and LAO images for 600 kcounts.

Acquisition Parameters:

Flow: 1 sec/frame x 90 frames

Matrix: 128x128

Zoom: 1.0 (full field)

Supine: feet first

H-mode

Dynamic: 60 sec/frame x 30 frames

Zoom: 1.0 (full field)

Supine: feet first

H-mode

Statics: 600kcounts

Matrix: 256x256

Meckel's Diverticulum Scan

Approval: K. Shamlou, MD

rev:2

7/15/2026

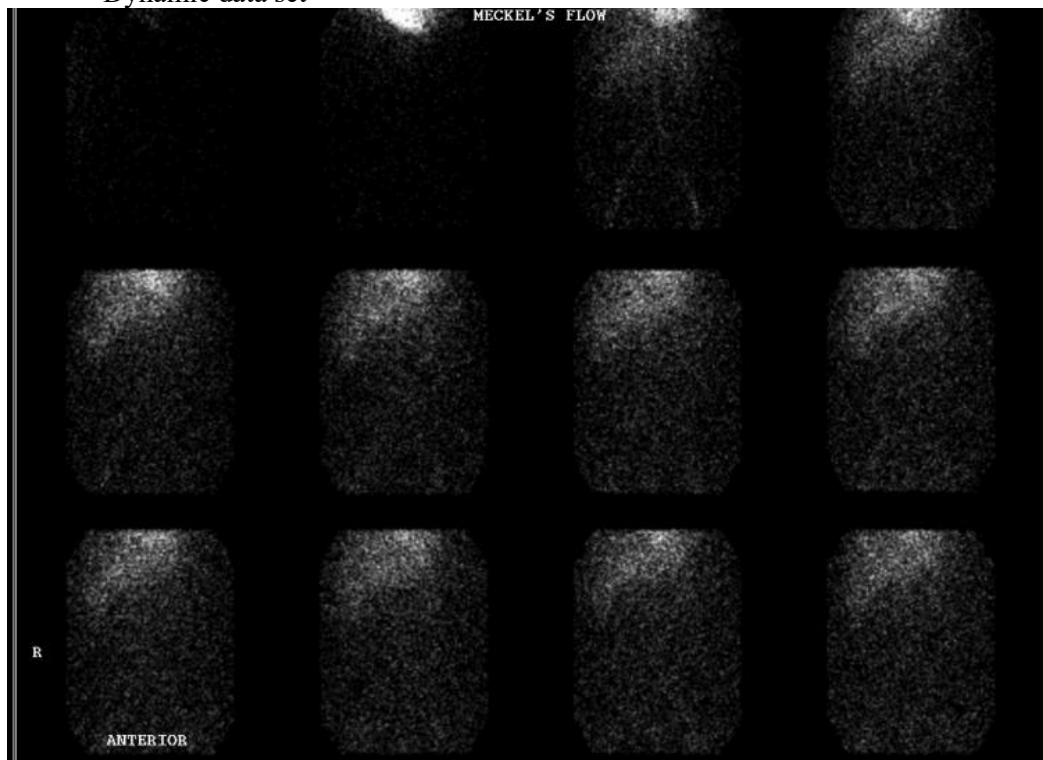
Zoom: 1.0(full field)

Supine, feet first

H-mode

Processing/Data sets for PACS

- Composite screen shot of the flow data reformatted into summed frames (3 frames per image)
- Composite screen shot of the dynamic data reformatted into summed frames (3 frames per image)
- Screen shot of the RAO and LAO images
- Dynamic data set



Meckel's Diverticulum Scan

Approval: K. Shamlou, MD

rev:2

7/15/2026

