

DACROCYSTOGRAPHY
UPDATED: APRIL 2010

CPT CODE: 78660

Indications: Used in anatomic obstructions and functional disorders of the lacrimal system that cause epiphora.

Patient Prep: None.

Scheduling: Allow one hour, generally, on MPS.

Radiopharmaceutical

& Dose: 100 μ Ci (10 μ l) Tc-99m Pertechnetate instilled in the inner canthus of the eye.

Imaging Device: Pinhole collimator with largest aperture (Cutoff).

Imaging Procedure:

- Patient is in the supine position under the camera.
- Patient is injected by the physician by using a micropipette.
- 100 μ Ci Tc-99m Pertechnetate is instilled into the inner canthus of the eye.
- Dynamic images for 30 sec/frame x 5 minutes. Then, 5 min/frame x 25 minutes (30 min total).

Interpretation: Tracer should normally drain in to the nasolacrimal duct and then the nasal cavity. Epiphora is indicated if this normal drainage is not observed and instead excessive radioactive tearing is observed.

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

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