DACROCYSTOGRAPHY

CPT CODE: 78660

Updated: April 2010

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 μCi (10μl) 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 μCi 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 into 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.

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

Scott B. Perlman, MD, MS
Chief, Nuclear Medicine

Derek Fuerbringer, CNMT
Manager, Nuclear Medicine

Scott Knishka, RPh, BCNP
Radiopharmacist