



Austin Radiological Association

Interventional Fluoro Procedure

Nephrostogram with Possible Nephrostomy Tube Exchange

Overview

- Evaluate the kidney(s) for adequate drainage into the ureter(s) and bladder
- The use of fluoroscopic systems for interventional purposes is restricted to Radiologists and individuals to whom a physician has delegated authority pursuant to the Occupations Code, Chapter 601, and the applicable rules of the Texas Medical Board.

Indications

- Evaluate the kidney(s) for adequate drainage into the ureter(s) and bladder with possible placement of catheters in either the kidney or ureter

Examination Time

- 90 minutes

Patient Preparation

- Stop blood thinners 5 days before procedure
- Obtain informed consent
- Question for allergies

Equipment

- Siemens C-arm
 - Sterile pack
 - Omnipaque 350
 - SonoSite

Patient Position & Imaging Field

- Prone

Acquisition Protocol - Routine Study

- Radiologist performs fluoroscopy and acquires images

Data Processing

- Technologist will send images taken to PACS (Picture Archiving and Communication System).
- Technologist will enter exposure time in the appropriate field of RIS (Radiology Information System).
- Technologist will enter DAP (Dose Area Product) and SEE (Skin Entrance Exposure) into the technologist notes field of the RIS.

Radiation Exposure levels

- Recommended operator guidance reference level for this fluoroscopically guided interventional procedure is 60 minutes beam-on time. Threshold reference level is a SEE of 5 Gy (Gray).
- Radiation Exposure levels are monitored through the Austin Radiological Association's monthly technologist QA process.
- If the reference level is exceeded, further analysis will be performed by the Protocol Committee and appropriate action taken to include possible patient follow-up.

Protocol Review

- Not to exceed 14 months.

Reviewed January 26, 2024