



Austin Radiological Association
Interventional Fluoro Procedure
Y-90 Treatment

Overview

- Liver cancer
- 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

- Liver cancer

Examination Time

- 120 minutes

Patient Preparation

- Labs completed within 2 weeks before procedure
- Nothing to eat or drink 4 hours before procedure
- Stop blood thinners 5 days before procedure
- Obtain informed consent
- Question for allergies

Equipment

- Siemens C-arm
- Sterile pack
- Omnipaque 350
- Various catheters and wires
- Power injector
- Radiologist approved dose of Yitrium-90

Patient Position & Imaging Field

- Supine

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 90 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