Nuclear Diagnostic Applications

- 40M Tc-99m doses worldwide per year
  - Rapid diagnostic procedures
  - USA uses 50% of supply
- Medical Isotope Mo-99 Produced in a Reactor
  - Tc-99m daily “milked” from Mo-99 in Lab
  - Tc-99m injected into patient
  - Scan and image body
  - Short half-life – Safe
- Tc-99m most popular diagnostic radioisotope
  - Continual Production and Distribution