

# Common Nuclear Medicine Studies

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## NEUROLOGIC

- diagnose stroke
- diagnose Alzheimer's disease
- localize seizure foci
- demonstrate changes in AIDS dementia

## ONCOLOGIC

- tumor localization
- identification of metastatic sites
- tumor staging
- relieve bone pain due to metastatic cancer

## RENAL

- detect urinary tract obstruction
- detect renal transplant rejection
- diagnose renovascular hypertension
- measure differential renal function

## CARDIAC

- diagnose coronary artery disease
- measure cardiac toxicity due to chemotherapy
- identify cardiac shunts
- select patients for bypass or angioplasty
- diagnose and localize acute myocardial infarction

## PULMONARY

- diagnose pulmonary emboli
- detect pulmonary complications of AIDS
- quantify lung perfusion

## **ORTHOPEDIC**

- identify bone trauma
- evaluate arthritic changes
- diagnose osteomyelitis

## **OTHER COMMON APPLICATIONS**

- diagnose and treat hyperthyroidism
- detect acute cholecystitis
- detect testicular torsion
- treat thyroid cancer or metastatic spread
- detect acute GI bleeding
- detect occult infections