PROCEDURE/CPT CODE	PATIENT PREP/DURATION	COMMON INDICATIONS
NUCLEAR CARDIAC STRESS TEST  -78452 NM rest & str myo perf SPECT  -93017 NM cardiac stress test  -A9502 X2 Isotope Diagnostic Myoview  PHARMACOLOGIC OPTIONS (IF TREADMILL STRESS IS NOT APPROPRIATE FOR PATIENT)  -J2785 Lexiscan Regadenoson Inj 4 MG  -J0152 Adenosine 30 ml vial  -J1250 Dobutamine inj. per 250 mg  **USE CARDIAC STRESS FORM  **NM WILL USE DECISION TREE TO SELECT APPROPRIATE STRESS OPTION**  **OBTAIN CLINIC NOTES ON ONE CHART OR PHYSICIAN OFFICE**	<ul> <li>NPO AFTER MIDNIGHT, EXCEPT H20</li> <li>IF PATIENT CAN EXERCISE ON TREADMILL, WITHHOLD ALL BETA BLOCKERS 24 HRS. PRIOR</li> <li>WITHHOLD ALL NITRATES 24 HRS. PRIOR</li> <li>IMPORTANT: BRING BP MEDS OR OTHER MEDS WITH YOU IF HELD FOR EXAM.</li> <li>CAFFEINE-FREE MIN. 12 HRS. (COFFEE, TEA, SODAS, CHOCOLATE, ENERGY SUPPLEMENTS/DRINKS, AND EXCEDRIN)</li> <li>WEAR COMFORTABLE SHOES/CLOTHING, WITH NO METAL ON SHIRT</li> <li>SHOWER, BUT NO LOTION OR OILS ON ABDOMEN/CHEST</li> <li>BRING A SNACK OR MONEY FOR CAFETERIA</li> <li>EXAM TIME: 3.0-3.5 HRS.</li> </ul>	- CHEST PAIN - ABNORMAL EKG - CHF - CAD - PALPITATIONS - SOB - PRE-OPERATIVE EVAL ANGINA PECTORIS - CABG STATUS - ACUTE MI
BONE SCAN 3-PHASE -78315 NM bone 3 phase -A9503 TC99M Medronate up to 30  SPECT/CT IF INDICATED (1 FOV) -78830 NM Rp Loc Tum Spect wCT 1 Area	<ul> <li>NO PREP</li> <li>GENERAL HYDRATION IS         HELPFUL</li> <li>EXAM TIME TOTAL: 4HRS.</li> <li>INITIAL: 15-30 MIN.</li> <li>CIRCULATION TIME: 3 HRS.         PATIENT MAY LEAVE DURING         THIS TIME.</li> <li>SCAN TIME: 15-45 MIN.</li> </ul>	<ul> <li>POSSIBLE FRACTURE</li> <li>LOOSENING PROSTHESIS</li> <li>OSTEOMYELITIS VS.         CELLULITIS     </li> <li>EVALUATION OF REFLEX SYMPATHETIC</li> <li>DYSTROPHY</li> </ul>
BONE SCAN LIMITED  -78300 NM bone/joint limited -A9503 TC99M Medronate up to 30  SPECT/CT IF INDICATED (1 FOV) -78830 NM Rp Loc Tum Spect wCT 1 Area	<ul> <li>NO PREP</li> <li>GENERAL HYDRATION IS         HELPFUL</li> <li>EXAM TIME TOTAL: 3.5-4 HRS.</li> <li>INJECTION: 15 MIN.</li> <li>CIRCULATION TIME: 3 HRS.,         PATIENT MAY LEAVE DURING         THIS TIME.</li> <li>SCAN TIME: 30 MIN.</li> </ul>	- BONE/JOINT PAIN OF A FOCAL AREA



PROCEDURE/CPT CODE	PATIENT PREP/DURATION	COMMON INDICATIONS
BONE SCAN MULTIPLE (2 OR > AREAS) -78305 NM bone/joint multiple -A9503 TC99M Medronate up to 30  SPECT/CT IF INDICATED (1 FOV) -78830 NM Rp Loc Tum Spect wCT 1 Area	<ul> <li>NO PREP</li> <li>GENERAL HYDRATION IS         HELPFUL</li> <li>EXAM TIME TOTAL: 3.5-4 HRS.</li> <li>INJECTION: 15 MIN.</li> <li>CIRCULATION TIME: 3 HRS.         PATIENT MAY LEAVE DURING         THIS TIME.</li> <li>SCAN TIME: 30 MIN.</li> </ul>	- BONE/JOINT PAIN OF MORE THAN ONE AREA
BONE SCAN WHOLE BODY (TOTAL)  -78306 NM bone scan whole body -A9503 TC99M Medronate up to 30  SPECT/CT IF INDICATED (1 FOV)  -78830 NM Rp Loc Tum Spect wCT 1 Area	- NO PREP - GENERAL HYDRATION IS HELPFUL - EXAM TIME TOTAL: 4 HRS. INJECTION: 15 MIN. CIRCULATION TIME: 3 HRS. PATIENT MAY LEAVE DURING THIS TIME. SCAN TIME: 30-45 MIN.  **ALL CANCER PATIENTS MUST HAVE CLINIC NOTES**  **FOR ALL PROSTATE CANCER PATIENTS, PULL PSA LAB VALUE HISTORY**	- STAGING, RE-STAGING EVALUATIONS FOR ANY TYPE OF CANCER - METASTATIC DISEASE - WIDESPREAD BONE PAIN - PAGET'S DISEASE
SOLID GASTRIC EMPTYING -78264 NM gastric emptying study -A9541 TC99M Sulf/Colloid Unfiltered  **IF ALLERGIC TO EGGS, OATMEAL PROTOCOL MAY BE USED**  **LIQUID GASTRIC EMPTYING MAY BE ORDERED BY PHYSICIAN IF PATIENT CANNOT EAT SOLID FOOD**  **PLEASE ALERT IF ALLERGIC TO EGGS OR GLUTEN INTOLERANT**	<ul> <li>STRICT NPO AFTER MIDNIGHT</li> <li>DISCONTINUE         SEDATIVES/NARCOTICS 12 HR.         PRIOR</li> <li>BRING MEDICATION LIST</li> <li>CONTRAINDICATION: ALLERGY         TO EGGS</li> <li>BRING MEDS; TECHNOLOGIST         WILL INSTRUCT WHICH ONES         CAN BE TAKEN WITH MEAL</li> <li>TAKE ½ DIABETES MEDS         DURING EXAM WITH MEAL</li> <li>EXAM TIME: 4.25 HRS.</li> </ul>	- GASTROPARESIS - WEIGHT LOSS - DELAYED GASTRIC EMPTYING - NAUSEA, VOMITING, EARLY SATIETY, BLOATING, UPPER ABDOMINAL DISCOMFORT - EVALUATE MECHANICAL OBSTRUCTION
	**USE GASTRIC FORM**	

PROCEDURE/CPT CODE	PATIENT PREP/DURATION	COMMON INDICATIONS
HIDA OR HIDA W/FATTY MEAL W/EF, WHEN NO CCK IS AVAILABLE -78226 NM hepatobiliary wo pharm -A9537 Technetium TX 99M choletec/dos WITH SPECT/CT IF INDICATED -78830 NM Rp Loc Tum Spect wCT 1 Area	- NO PREP - EXAM TIME: 1.25 HRS.	- EVALUATION OF CHOLECYSTITIS, GALL BLADDER INFLAMMATION, CYSTIC OR COMMON BILE DUCTS - EVALUATION OF OBSTRUCTION - EVALUATION AFTER GALLBLADDER SURGERY FOR SUSPECTED LEAK.
HIDA W/EJECTION FRACTION (CCK)  -78227 NM hepatobiliary w pharm  -A9537 Technetium TX 99M  choletec/dos  -J2805 Kinevac	<ul> <li>STRICT NPO 6 HRS.</li> <li>NO NARCOTICS MINIMUM 6 HRS. PRIOR EXAM TIME: 2.5 HRS. +</li> </ul>	- RUQ PAIN - ABDOMINAL PAIN - EVALUATION OF CHOLEYCYSTITIS - EVALUATION OF CHOLELITHIASIS; OBSTRUCTION - CALCULATION OF EF
GI BLEED STUDY  -78278 NM GI Bleeding  -A9560 TC99M Labeled Blood Cell/30 m  SPECT/CT IF INDICATED (1 FOV)  -78830 NM Rp Loc Tum Spect wCT 1 Area	- NO PREP - EXAM TIME: 1.5 HR. +	- DETECTION AND LOCALIZATION OF ACTIVE ABDOMINAL BLEEDING SITE
MECKEL'S DIVERTICULUM -78290 NM meckel's -A9512 TC99M Pertechnetate/mci  SPECT/CT IF INDICATED (1 FOV) -78830 NM Rp Loc Tum Spect wCT 1 Area	<ul> <li>NPO MINIMUM 4 HRS.</li> <li>NO LAXATIVES OR POTASSIUM PERCHOLORATE 24 HRS. PRIOR</li> <li>DOSE TAGAMET 20 mg/kg (PEDIATRIC) OR 300 mg/kg (ADULT) 2 DAYS PRIOR TO STUDY, 6X/DAY</li> <li>EXAM TIME: 1.25 HRS.</li> </ul>	- LOCALIZATION OF MECKEL'S DIVERTICULUM
PARATHYROID SCAN WITH SPECT/CT -78072 NM parathyroid -A9500 TC99M Sestamibi per dose	<ul> <li>NO PREP</li> <li>PLEASE PROVIDE PTH AND CA+ LAB RESULTS</li> <li>EXAM TIME: 2.5 HRS.</li> <li>**MUST HAVE PTH AND CA+ LAB VALUES **</li> </ul>	<ul> <li>ELEVATED PTH AND CA+ LAB RESULTS</li> <li>DETECTION/LOCALIZATION OF PARATHYROID CA</li> <li>DETECTION/LOCALIZATION OF ADENOMAS OR</li> <li>PARATHYROID TISSUE</li> </ul>

PROCEDURE/CPT CODE	PATIENT PREP/DURATION	COMMON INDICATIONS
MUGA -78472 NM muga -A9560 TC99M Labeled Blood Cell/30 m	- NO PREP - EXAM TIME: 1.25 HRS.	- EVALUATE WALL MOTION - CALCULATION OF EF, VENTRICULAR VOLUME, CARDIAC OUTPUT AND DIASTOLIC FUNCTION - ASSESSMENT OF CHF - EVALUATION PRE/POST CHEMO OR RAD. TX - DYSPNEA
SENTINEL NODE FOR BREAST -38792 NM sentinel node inject only -A9520 TC99m lymphoseek	- NPO FOR SURGERY - NO IMAGING REQUIRED - EXAM TIME: 15 MINUTES  **ORDER FROM DS SCHEDULING SYSTEM SHOULD STATE NM INJECTION, INDICATING LATERALITY**	- AIDS IN SURGICAL LOCALIZATION OF LYMPH NODES FOR SURGICAL INTERVENTION
LYMPHOSCINTIGRAPHY WITH SPECT/CT -78195 NM sentinel node w imaging -A9520 TC99m lymphoseek -78830 NM Rp Loc Tum Spect wCT 1 Area  **HEAD/FACE INJECTIONS X2; OTHER LOCATIONS X4**	- NPO FOR SURGERY - EXAM TIME: 2 HRS.  **ORDER FROM DS SCHEDULING SYSTEM SHOULD STATE MM INJECTION WITH IMAGING OR LYMPHOSCINTIGRAPHY, INDICATING LOCATION AND LATERALITY**	- IMAGING LOCALIZATION OF LYMPH NODE INVOLVEMENT FOR SURGICAL INTERVENTION - MELANOMA
RENAL SCAN W/FLOW AND FUNCTION -78707 NM renal flow wo pharm int -A9562 Mertiatide Mag3 per 15 mCi	- PATIENT SHOULD BE WELL HYDRATED - EXAM TIME: 30-45 MIN.	- EVALUATION OF KIDNEY TRANSPLANT - EVALUATION OF RENAL TUBULAR FUNCTION AND PERFUSION
RENAL SCAN W/FLOW, FUNCTION, AND WASHOUT (LASIX) -78708 NM renal flow w pharm int -A9562 Mertiatide Mag3 per 15 mCi	- PATIENT SHOULD BE WELL HYDRATED - EXAM TIME: 45 MIN1 HR.	- EVALUATION OF RENAL OBSTRUCTIVE NEPHROPATHY AND/OR HYDRONEPHROSIS - EVALUATION OF KIDNEY TRANSPLANT - EVALUATION OF RENAL TUBULAR FUNCTION AND PERFUSION



PROCEDURE/CPT CODE	PATIENT PREP/DURATION	COMMON INDICATIONS
CARDIAC AMYLOID  -78830 (PLANAR WITH SPECT/CT) NM Rp Loc Tum Spect wCT 1 Area; NM cardiac amyloid study -A9538 TC99M Pyrophosph UP to 25 MCI  **MUST CONTACT NM COLLEAGUE TO CHECK AVAILABILITY OF ISOTOPE FOR SCHEDULING**	<ul> <li>NO PREP</li> <li>GENERAL HYDRTION IS         HELPFUL</li> <li>EXAM TIME: 1.75-3.5 HRS.</li> <li>INJECTION TIME: 15 MIN.</li> <li>CIRCULATION TIME: 1 HR.</li> <li>IMAGING TIME: 30 MIN.</li> <li>IMAGING AT 3 HRS AT         DISCRETION OF RADIOLOGIST         BASED ON INITIAL IMAGES.</li> </ul>	- DETECTION OF TRANSTHYRETIN- RELATED CARDIAC AMYLOIDOSIS (ATTR) - HEART FAILURE AND UNEXPLAINED INCREASE IN LV WALL THICKNESS - UNEXPLAINED HEART FAILURE WITH PRESERVED EF, OVER 60 - EVALUATION OF CARDIAC INVOLVEMENT IN INDIVIDUALS WITH FAMILIAL AMYLOIDOSIS HISTORY
LUNG PERFUSION/QUANTIFICATION -78597 NM pul perf quan dif w image -A9540 TC99M Macroag Albumin/10 mci	- NO PREP - SCAN TIME: 20 MINUTES  **2-VIEW CHEST X-RAY REQUIRED WITHIN 24 HRS. OF SCAN**	- EVALUATE HIGH-RISK PATIENTS PREOPERATIVELY FOR SURGICAL CANDIDACY - EVALUATION OF PULMONARY PERFUSION
LUNG PERFUSION -78580 NM pul perfusion -A9540 TC99M Macroag Albumin/10 mci	- NO PREP - SCAN TIME: 20 MINUTES  **2-VIEW CHEST X-RAY REQUIRED WITHIN 24 HRS. OF SCAN**	- EVALUATION OF PULMONARY PERFUSION
THYROID UPTAKE ONLY (RAIU)  -78012 NM thyroid uptake single -A9516 (X3) I123 Thyroid per/100 UCI	- DAY 1, TIME INITIAL: 15 MIN CIRCULATION: 4 HRS (PATIENT MAY LEAVE DURING THIS TIME) - UPTAKE: 5 MINUTES - DAY 2, UPTAKE TIME: 5 MIN.  **DO NOT CALL**  **NEED LABS**  -FREE T3  -FREE T4  -TSH  **USE THYROID FORM**	- EVALUATION OF HYPERTHYROIDISM OR HYPOTHYROIDISM - TOXIC GOITER - THYROIDITIS - ABN THYROID SERUM LAB RESULTS - DIFFERENTIATION OF BENIGN VS. MALIGNANT THYROID NODULES

PROCEDURE/CPT CODE	PATIENT PREP/DURATION	COMMON INDICATIONS
THYROID CANCER ABLATION -78018 (X2) NM thyroid ca whole body -78020 NM thyroid ca mets uptake add -79005 NM tx rad pharm oral -A9517 I131 So lodide TH Cap/mCi	CONTACT NUCLEAR MEDICINE @ EXT.#2605	- THYROID CANCER TREATMENT
THYROID CA EVALUATION -78018 NM thyroid ca whole body -78020 NM thyroid ca mets uptake add -A9528 I131 SO lodide Dx Cap/mCi  THYROGEN (IF INDICATED) -J3240 (x2) Thyrogen Drug -96372 (x2) Injection Ther/Proph/Diag	CONTACT NUCLEAR MEDICINE @ EXT.#2605	- THYROID CANCER
THYROID UPTAKE AND SCAN (RAIU DIAGNOSTIC) -78014 NM thyroid uptake multiple -A9516 (x3) I123 Thyroid per/100UCI	<ul> <li>DAY 1, TIME INITIAL: 15 MIN.</li> <li>CIRCULATION: 4 HRS (PATIENT MAY LEAVE DURING THIS TIME)</li> <li>UPTAKE AND SCAN: 30 MIN.</li> <li>DAY 2 UPTAKE EXAM TIME: 5 MIN.</li> <li>**DO NOT CALL**         **NEED LABS**         -FREE T3         -FREE T4         TSH</li> <li>**JUST TUYPOUR FORM**</li> </ul>	- EVALUATION OF THYROID ANATOMY - EVALUATION OF HYPERTHYROIDISM OR HYPOTHYROIDISM - TOXIC GOITER - THYROIDITIS - ABN THYROID SERUM LAB RESULTS - DIFFERENTIATION OF BENIGN VS. MALIGNANT THYROID NODULES
	**USE THYROID FORM**	

### **SPECIAL CONSIDERATIONS**

- \*\*CHECK SCHEDULE AT 12 PM OR AFTER. AFTER 12 PM, PATIENT ACCESS SHOULD NOTIFY NUCLEAR MEDICINE OF ALL NEXT DAY ADDONS, NEXT DAY CANCELLATIONS, AND NEXT DAY TIME CHANGES SO THAT ISOTOPES MAY BE ORDERED OR CANCELLED.
- \*\*I-123 UPTAKE AND SCANS REQUIRE FREE T3, FREE T4, AND TSH LAB VALUES. PLEASE OBTAIN FROM EMR OR PHYSICIAN'S OFFICE.
- \*\*PARATHYROID SCANS REQUIRE CA+ AND PTH LAB VALUES. PLEASE OBTAIN FROM EMR OR PHYSICIAN'S OFFICE.
- \*\*CLINIC NOTES SHOULD BE PULLED ON ALL CANCER PATIENTS
- \*\*MOST RECENT PSA LAB VALUE HISTORY SHOULD BE PULLED ON ALL PROSTATE CANCER PATIENTS
- \*\*ALL THERAPY PROCEDURES MUST BE SCHEDULED DIRECTLY WITH NM COORDINATOR.