



CLINICAL INDICATIONS

CLINICAL INDICATIONS FOR NUCLEAR CARDIOLOGY PROCEDURES

TOMOGRAPHIC MYOCARDIAL PERFUSION SCAN (with Thallium / Cardiolite)

- Assessment of chest pain
- Assessment of coronary artery disease
- Assessment of extent and severity of coronary artery disease
- Detection of silent ischaemia
- Preoperative risk stratification
(especially in peripheral vascular disease)
- Pre/post angioplasty/coronary artery bypass assessment
- Post myocardial infarction risk stratification
- Assessment of functional significance of borderline angiographic lesions
- Viability of myocardium

VENTRICULAR FUNCTION STUDY

- Evaluation of ventricular function
- Post myocardial infarction prognosis
- Evaluation of coronary artery disease complementary to myocardial perfusion scan
- Detection of old myocardial infarction
- Valvular heart disease
- Cardiomyopathy
- Quantitative assessment of diastolic function

CLINICAL INDICATIONS FOR CARDIAC DIAGNOSTIC PROCEDURES

STRESS TESTING

- Assessment of chest pain
- Assessment of exercise functional capacity
- Risk stratification
- Evaluation of patients with rate-responsive pacemakers

CARDIOPULMONARY STRESS TEST

- Assess cardiopulmonary fitness
- Measure functional capacity
- Assess cardiac treatment plan efficacy
- Determine exercise prescription
- Shortness of breath
- Chronic fatigue

HOLTER MONITOR (Ambulatory ECG Monitoring)

- Syncope
- Palpitations
- Medication
- Arrhythmias
- Silent ischaemia

AMBULATORY BLOOD PRESSURE MONITOR

- White coat hypertension
- Monitor efficacy of antihypertensive medication
- Assess nocturnal blood pressure pattern
- Assess pulse pressures

ECHOCARDIOGRAMS (With Colour Doppler)

- Valvular disease (regurgitant lesions and valve gradients)
- Hypertensive disease (left ventricular hypertrophy and qualitative diastolic function)
- Murmurs
- Arrhythmias/ palpitations
- Coronary artery disease (wall motion abnormalities)
- Assessment of cardiogenic sources of emboli
- Hypertrophic cardiomyopathy
- Need for antibiotic prophylaxis
- Pulmonary hypertension