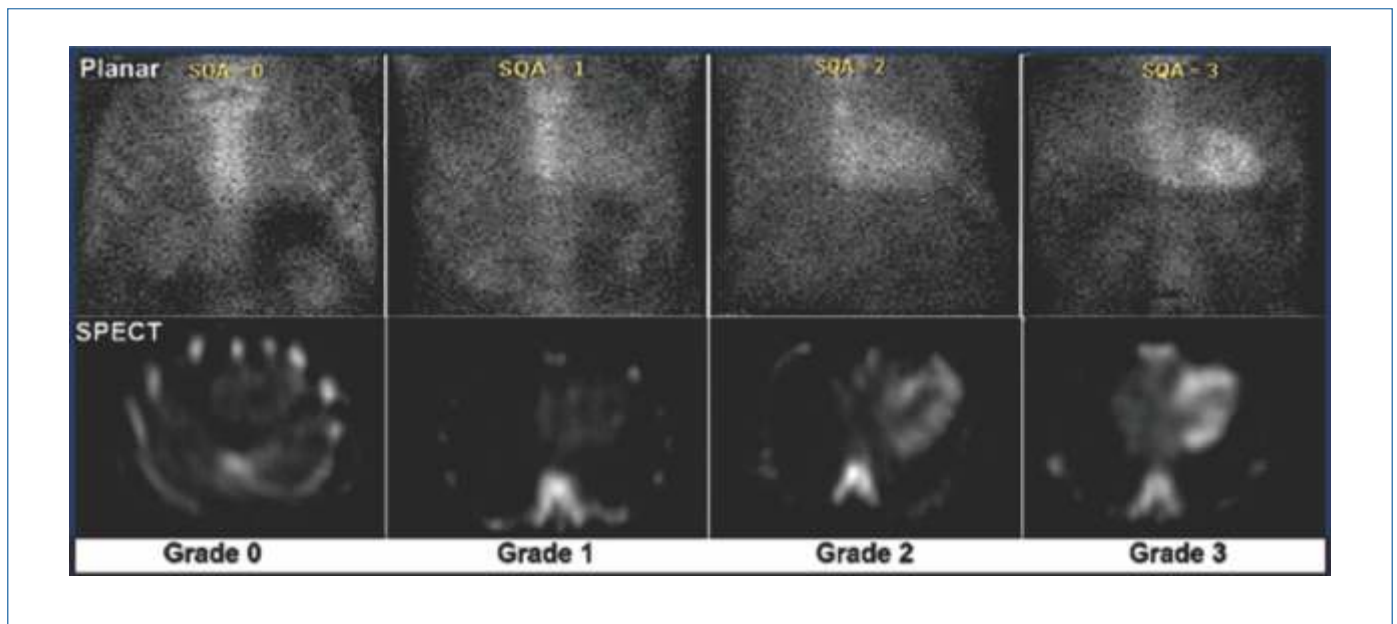


Nuclear Medicine

Non – invasive Diagnosis of Cardiac Amyloidosis in Heart Failure with ^{99m}Tc-PYP

65 years old male with hypertension, diabetes mellitus for more than 20 years, presented with unexplained breathlessness, history of CAD. Echocardiogram showed cardiac hypertrophy with normal Ejection Fraction and no wall motion abnormalities.

^{99m}Tc – pyrophosphate (PYP) imaging helps in early and non-invasive diagnosis of Transthyretin amyloidosis cardiomyopathy (ATTR – CM) with greater degree of accuracy in patients with undiagnosed heart failure with 95% sensitivity and 96% specificity. Patients above 60 years with elevated Trop T levels (≥ 0.03 ng.mL), LV posterior wall thickness (≥ 13.6 mm) and wide QRS (≥ 120 ms) should be scanned preferentially



By, Dr. E. Prabhu