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Workshop on cardiac imaging

What to expect from transthoracic echocardiography TTE

For non-specialized cardiologist, cardiac fellow, GP, Technician on how to answer the clinical question using TTE. Explanation of each method used in TTE for LV EF assessment (Fractional shortening, fractional area changes, ejection fraction and stroke volume), regional wall motion assessment, ischemic complication, ischemic rupture of LV septum and LV free wall, ischemic MR, LV apical thrombus and pericardial effusion.

RV assessment by TTE

The right ventricle plays an important role in the morbidity and mortality of patients presenting with signs and symptoms of cardiopulmonary disease. However, the systematic assessment of right heart function is not uniformly carried out. This is due partly to the enormous attention given to the evaluation of the left heart and a lack of familiarity with ultrasound techniques that can be used. Parameters will be explained such as fractional area change [FAC], S', tricuspid annular plane systolic excursion [TAPSE]; RV index of myocardial performance [RIMP] new updated and normal values, systolic pulmonary artery (PA) pressure (SPAP).

CMR in RV assessment and beyond

CMR is the gold standard for right ventricular assessment, has a superior acoustic window over other modalities and free of ionizing radiation.

Biography

Yassmin Hanfi is a Consultant Cardiologist specialized in Advanced Cardiac Imaging (TTE, TEE, CCTA, CMR). Her cardiac training was in Paris with advanced international cardiac teams followed by subspecialty in London at the Royal Brompton Hospital. Her specialty of cardiac imaging is an everyday practice for cardiologist and health care practitioner.

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