



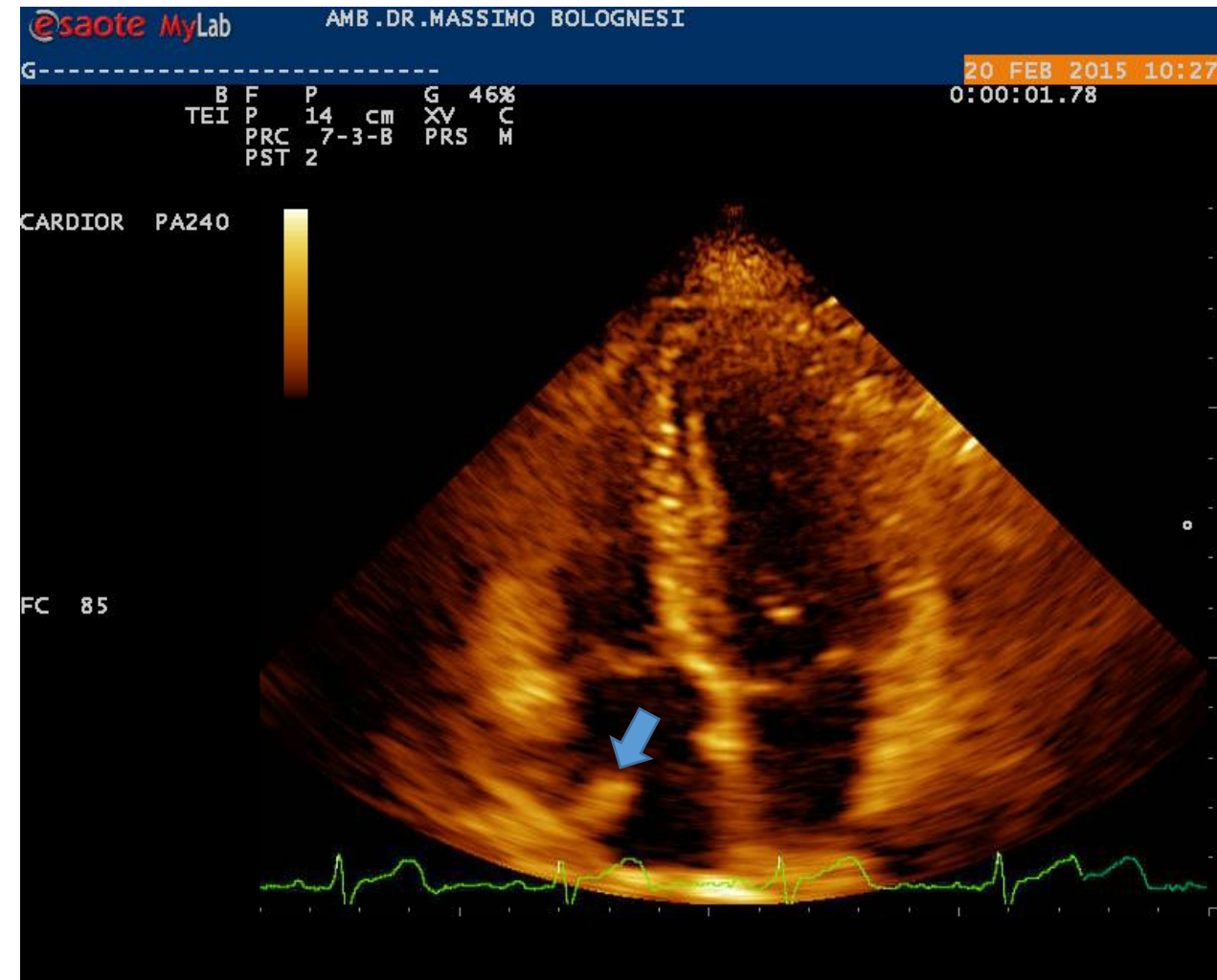
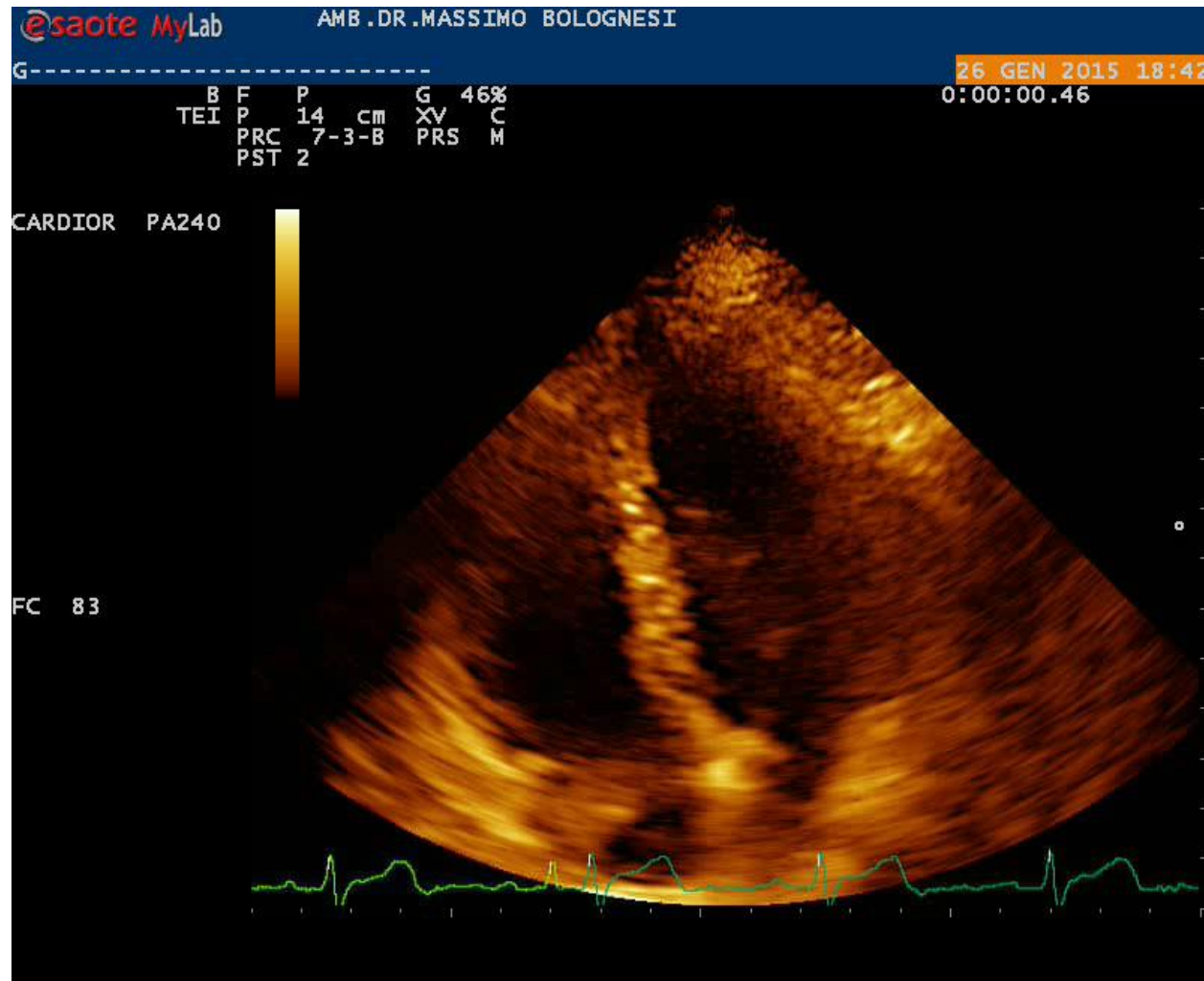
Power point Presentation

Massimo Bolognesi*

Title: Prominent Crista Terminalis: 2D TT Echocardiographic and Cardiac Magnetic Resonance Findings

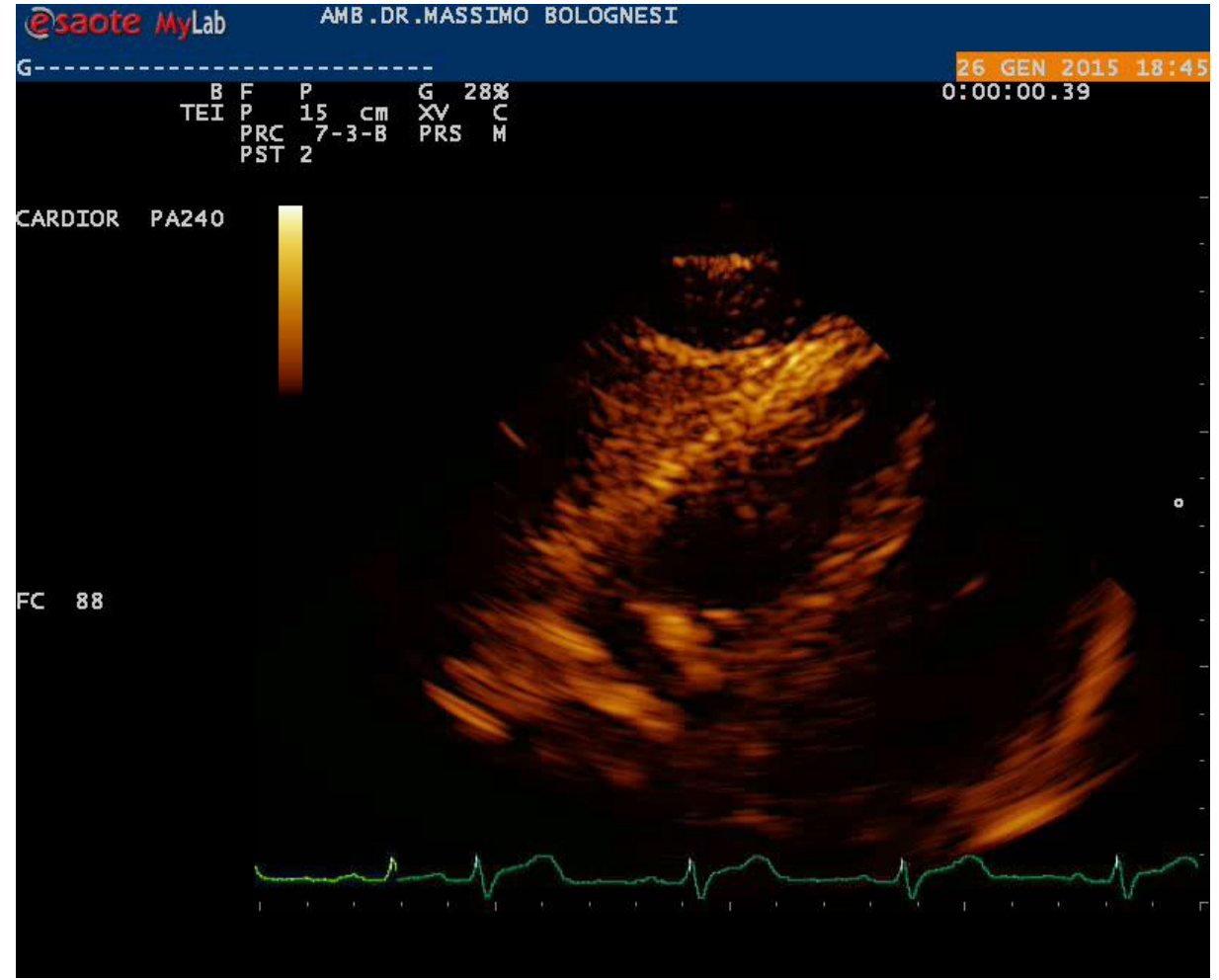
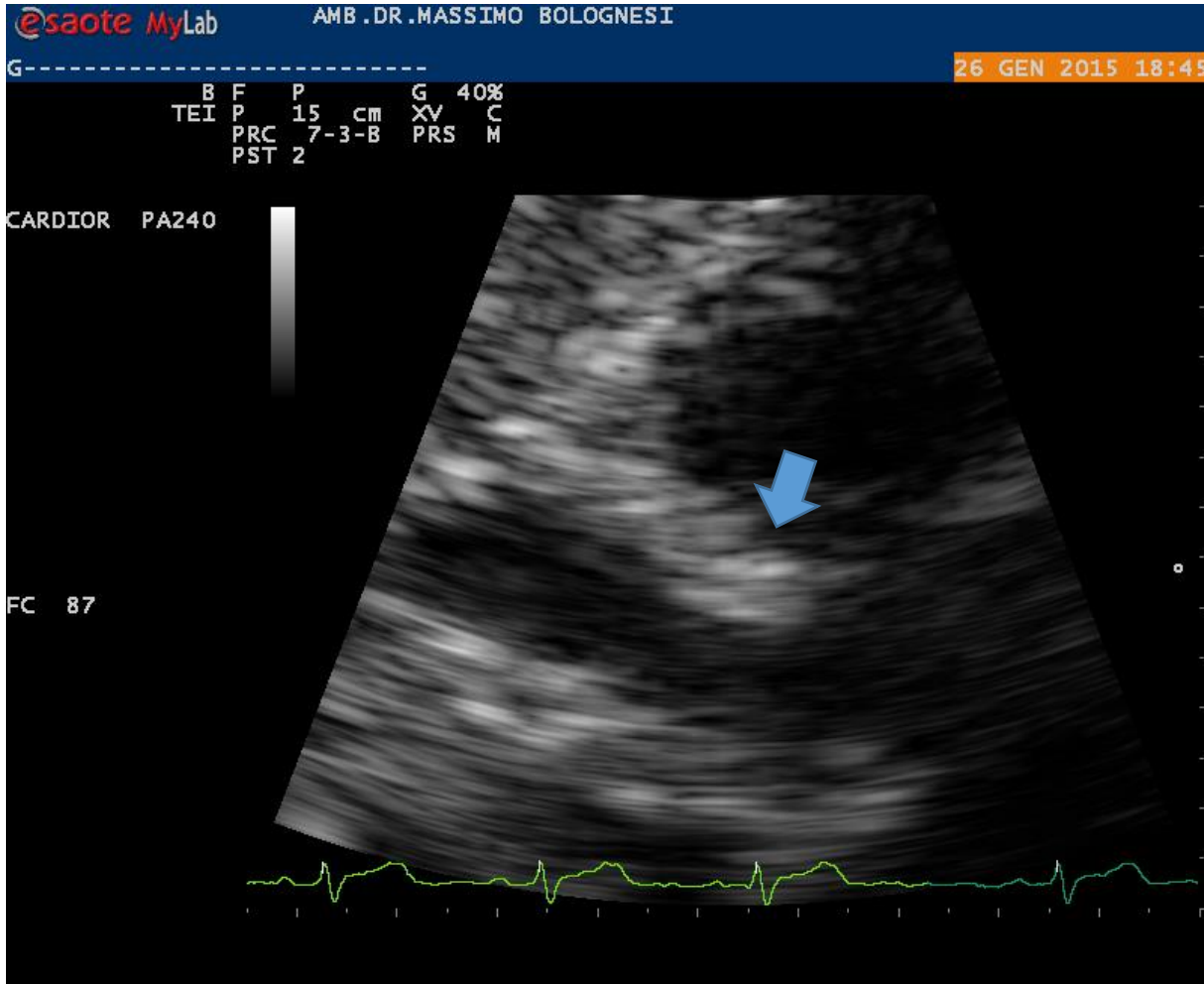
- The differential diagnosis of intracardiac masses that involves the right atrial chamber include vegetation, thrombus or tumours, and anatomic normal variants such as crista terminalis. Size, shape, location, mobility and attachment of the mass combined with the clinical findings help differentiate etiology. Two Dimensional Trans Thoracic Echocardiography (TTE) became the gold standard test for the diagnosis of intracardiac masses and further examination such as transesophageal echocardiography (TEE) and Cardiac Magnetic Resonance (CMR) improved the accuracy. The cardiovascular imaging is crucial to establish a correct diagnosis for proper management and therapy. Here the author describes the case report of a healthy middle-aged athlete who underwent echocardiography for sports preparticipation screening which detected the presence of a peduncolated right atrial mass of uncertain nature. Because of the strong suspicion for small right atrial mixoma, he underwent CMR that showed a small enhancing mass adherent to the right atrial posterior wall typical of prominent crista terminalis. This report of rare Crista Terminalis muscular bridge that mimicks right atrial mixoma gives new information for the understanding of the aspect of complex and strange right atrial anatomy.

Prominent Crista Terminalis - 2D TTE Findings – Apical 4 chamber view



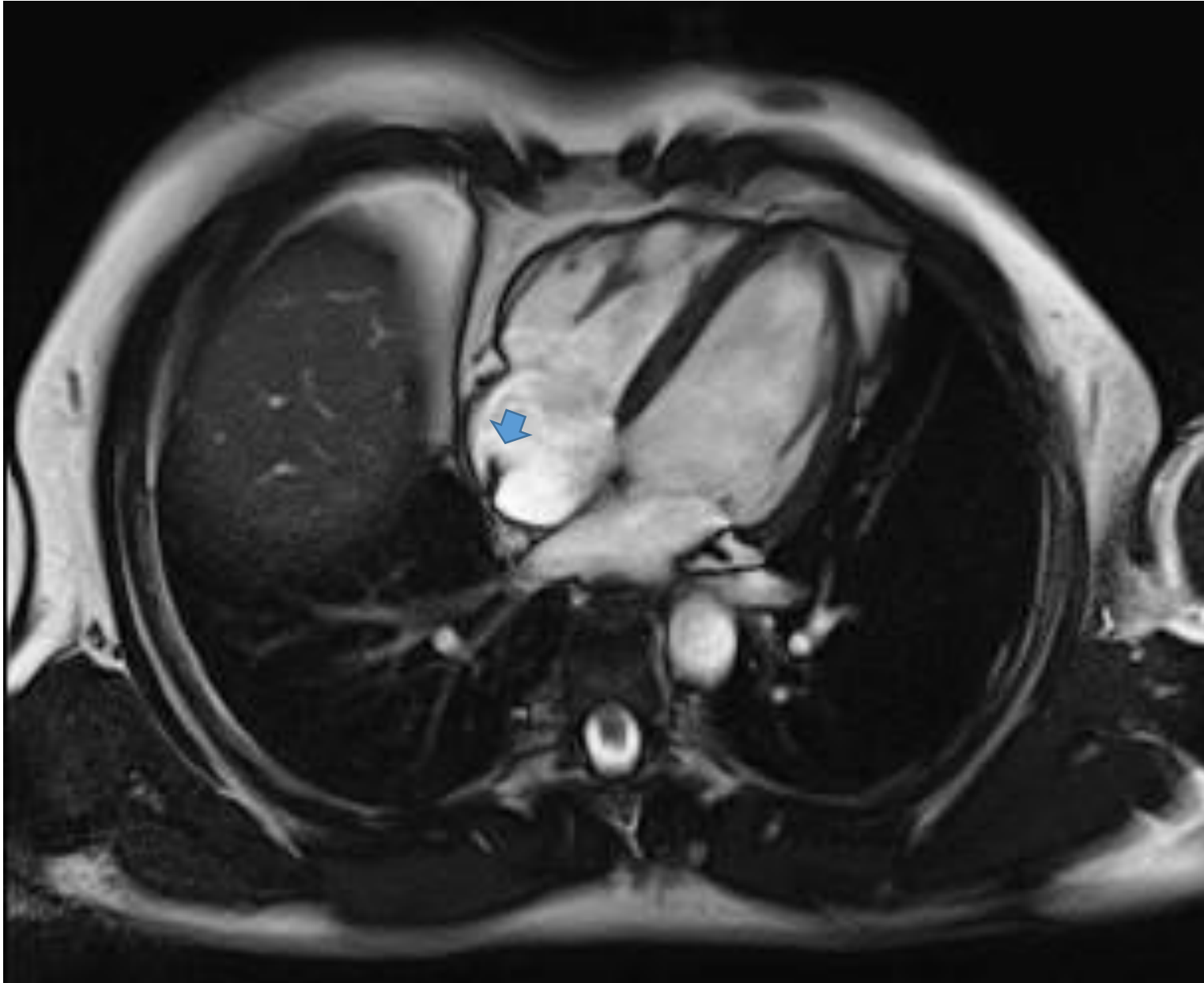
Apical 4 Chamber View

Prominent Crista Terminalis – 2D TTE Findings – Subcostal view

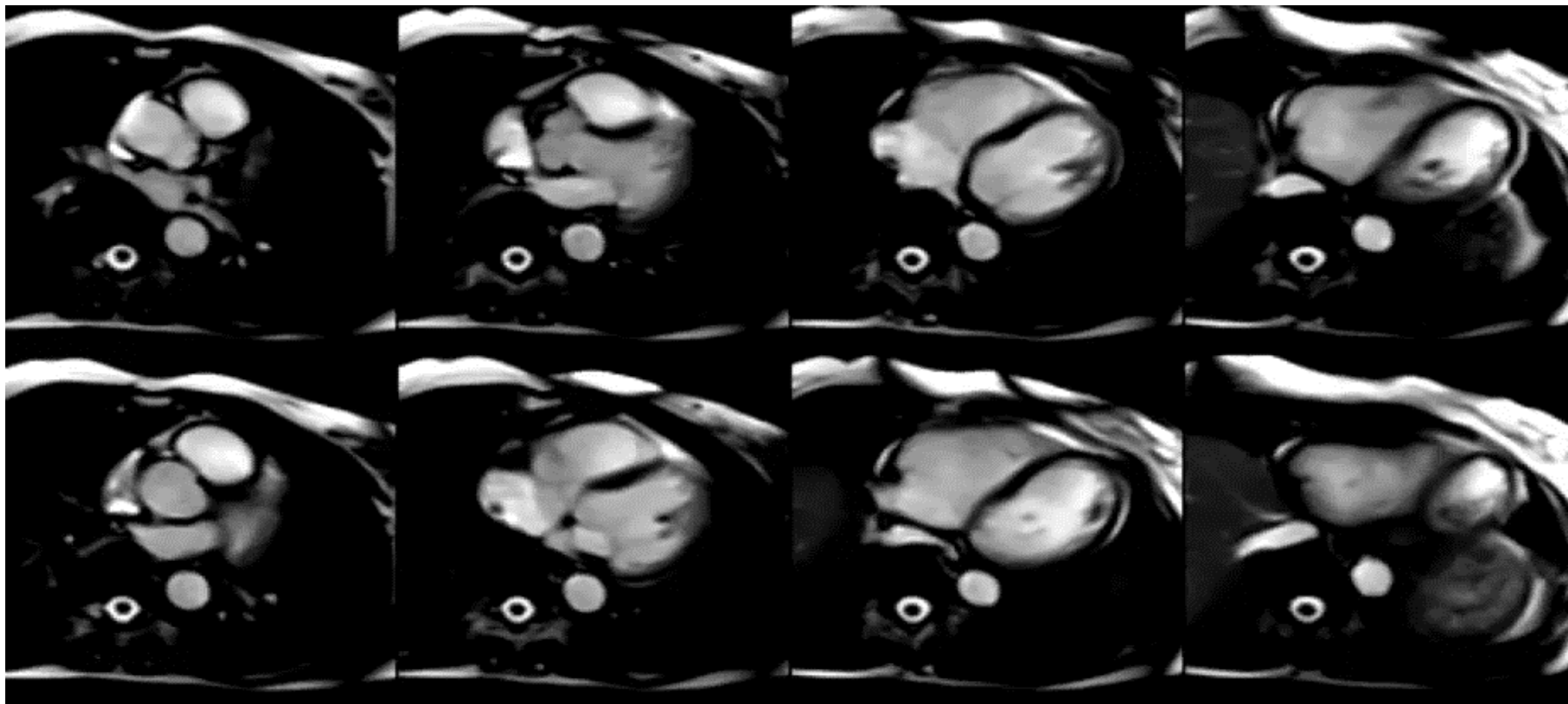


Long Axis Subcostal View

Prominent Crista Terminalis – CMR Findings



Cine – CMR Findings



***Corresponding author:** *Bolognesi M, Department of Internal General Medicine, Sports Cardiology Medicine Center, Cardiovascular Imaging – Echocardiographer, Via G. Ungaretti 494, Cesena 47521, Italy, Tel: +39 0547 645074. E-mail: massbolo1@tin.it*

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