Contrast for detection of non-compacted myocardium

Clinical Case Portal

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Non-invasive imaging: Echocardiography, MR/CT, Nuclear

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Abstract
Case from the Contrast Echo Box
Contrast Echocardiography for assessment of LV structure and function

Introduction
- 54 year old male teacher
- Referred to Outpatients for assessment due to fatigue and shortness of breath
- Heart failure symptoms and signs, referred for echocardiography

Case Report
Resting echocardiography
Apical 4 chamber view showing severely impaired systolic function (fig 1)
Contrast-enhanced image depicting clear non-compacted myocardium in the apical region (fig 2)
Parasternal short-axis view showing severely impaired systolic function (fig 3)
Contrast-enhanced image depicting clear non-compacted myocardium in the apical region (fig 4)
Conclusion

- Hypertrabeculation, fulfilling criteria [1] for Non-Compaction Cardiomyopathy (NCCMP)
- Patient had a Cardiac MRI scan which confirmed echo diagnosis of non-compaction

References