Isolated non-compaction of left ventricular myocardium. A 3D perspective”

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Citation
B PAUL. Isolated non-compaction of left ventricular myocardium. A 3D perspective”. The Internet Journal of Cardiology. 2009 Volume 8 Number 2.

Abstract
Isolated non-compaction of left ventricular myocardium is an uncommon anomaly. It is characterized by prominent trabeculations and recesses communicating with the left ventricular cavity on 2D echocardiography. We studied a case of non-compacted left ventricle by 3D echocardiography. The left ventricle appeared to be filled with tissue with ‘spongy’ appearance. Cropping the apex of the left ventricle showed a ‘sieve-like’ pattern. These findings were in addition to the characteristic trabeculations and recesses seen on 2D echocardiography.

Figure 1

Figure 1a: 2D image of LV apex showing trabeculations and recesses communicating with the LV cavity

Figure 1b 3D image showing ‘spongy’ appearance of LV apex

Figure 1c: Zoomed 3D image of LV apex showing trabeculations and recesses

Figure 1d: Cropping of LV apex shows a ‘sieve-like’ pattern

References
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