Exercise-induced Left Bundle Branch Block Accompanied by Chest Pain
Correlation With Coronary Artery Disease

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Abstract: A case of a 25-year-old woman with familiar hypercholesterolemia, who was admitted complaining for chest pain on exertion, is presented. She underwent a treadmill stress test and during the exercise left bundle branch block with concomitant chest pain in low heart rate (105/min) was demonstrated.

After these findings TL-201 scintigraphy with dipyridamole infusion was performed: Chest pain and left bundle branch block appeared again during the test, and the stress TL-201 tomographic images showed reversible defect in the anterior wall. Finally, the young woman underwent coronary arteriography, which showed normal coronary vessels. The ergonovine test for coronary spasm was negative.

Key words: Exercise test, chest pain, transient LBBB in exertion.