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The cause of a young patient with third degree AV block

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Objective: The objective of this study is to find the real cause of a young patient with third degree AV block.

Materials & Methods: This study presents the situation of a young patient 27 years old, which presented syncope. The HR was 30bates/min, very severe bradycardia. The EKG showed severe bradycardia 30 bates/minute in context of third degree AV block. So, the patient presented Adams Stokes syncope. The patient was referred to the Cardiovascular Surgery Department and a permanent pace maker was implanted and the patient's life was saved. The most important question is which was the cause of the third degree AV block with Adams Stokes syncope at young age? Because the patient's present weakness, asthenia a biopsy of deltoid muscle was performed and shows increased variation in muscle fiber diameter in context of muscular dystrophy of Duchene.

Results & Discussion: This disease is a rare genetic neurological disease. The cause of the third degree AV block at this young patient was in context of this rare genetic neurologic disease - muscular dystrophy of Duchene, confirmed safe by histopathology examination after muscular biopsy.

Conclusion: In conclusion, at young patient with third degree AV block, we must take into account also this rare but possible cause - muscular dystrophy of Duchene.

Biography

Manuela Stoicescu is the Consultant in Internal Medicine, PhD, and Assistant Professor at University of Oradea, Faculty of Medicine and Pharmacy, Medical Disciplines Department, Romania.

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