

Disappearing LAA thrombus with a LA myxoma coincidence - a clinical case study**Sergiusz Nowak MD, Magdalena Kozubska-Nazarenko, MD***Military Hospital, Lublin, Poland*

73 year old patient admitted to the Cardiology Department with the first diagnosis of dilated cardiomyopathy, first time detected atrial fibrillation of unknown duration. ECG shown atrial fibrillation with a ventricular rate of 90/min. Echocardiography shown lowered LVEF 25% and also a regular tumor in the left atrium with morphological characteristics of a myxoma. A transesophageal echo was performed which revealed a fixated in the lower part of the interatrial septum structure measuring 2,2x1,1cm, and another, similar structure in the left atrial appendage measuring 1,0x0,7cm, and a patent foramen ovale. Patient was started on rivaroxaban 20mg. Patient did not agree on sacubitril/valsartan therapy. During hospitalization SARS-Cov2 infection was discovered and the patient was transferred to Covid19 Treatment Unit. In echocardiography performed 3 months later a substantial decrease in ejection fraction was observed with LVEF 10%. Transesophageal echo showed reduced tumor dimensions of 1,0x1,6cm, as well as disappearance of the structure in LAA. Therefore it was concluded that the structure in the LAA must have been a thrombus and a thrombus-coated myxoma in left atrium. Patient was started on sacubitril/valsartan, eplerenone, empagliflozin, and was switched from rivaroxaban to apixaban due to gastrointestinal bleeding that required blood transfusion. Gastroscopy excluded active bleeding and revealed *Helicobacter pylori* infection and eradication treatment was started. In control echocardiography in six weeks there was no change in ejection fraction severely reduced at 15%. In transesophageal echocardiography shown the tumor in the left atrium as seen before with same dimensions, no thrombus in the LAA as well as echogenic blood. The patient was qualified for ICD implantation and management of the left atrium tumor in echocardiography

Recent Publications

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2. Left atrial myxoma presenting as acute coronary syndrome. Cannavà G, Currò A. *Int J Cardiol.* 2015;190:148-50
3. Schiele S, Maurer SJ, Pujol Salvador C, Vitanova K, Weirich G, Meierhofer C, Voss B, Ewert P, Tutarel O. Left Atrial Myxoma. *Circ Cardiovasc Imaging.* 2019 Mar;12(3):e008820. doi: 10.1161/CIRCIMAGING.118.008820. PMID: 30813772.
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Biography

Sergiusz Nowak is a specialist in internal medicine and cardiologist in training. His biggest interest and passion in cardiology is echocardiography and cardiac imaging. He had the opportunity to present clinical cases at many conferences including Heart Failure 2018 & World Congress on Acute Heart Failure and Heart Failure 2019 - 6th World Congress on Acute Heart Failure.

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