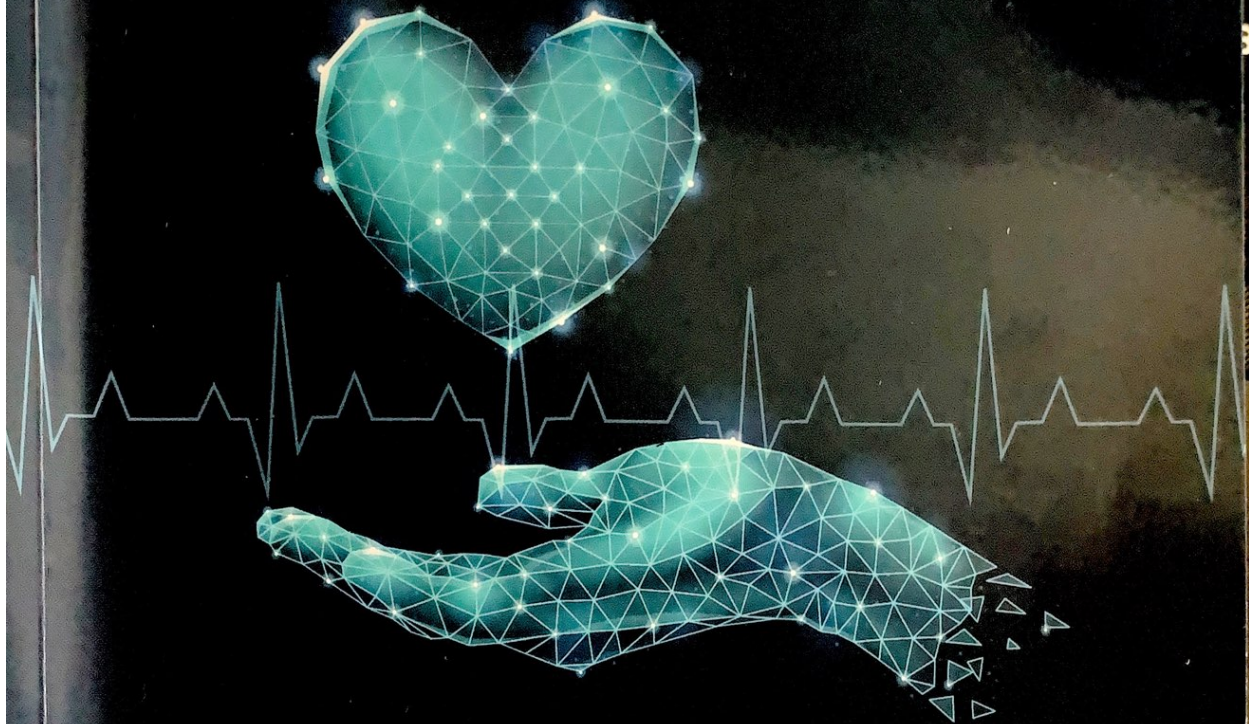


**Симпозиум со меѓународно учество
„НОВИНИ ВО КАРДИОЛОГИЈАТА“**

КНИГА НА АПСТРАКТИ



ABSTRACT BOOK

**Symposium with international participation
“HIGHLIGHTS IN CARDIOVASCULAR
DISEASES”**



Society of Cardiology of N.Macedonia

01-03.10.2021

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P8 VENTRICULAR FIBRILLATION IN PATIENT WITH LVAD - CASE REPORT

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Introduction. Congestive heart failure is a growing global health problem. LVAD (left ventricular assist device) is a method used to extend the life of these people as a definitive treatment or to bypass the period until heart transplantation. Ventricular arrhythmias in patients with LVAD are uncommon.

Case report: We present the case of a 54-year old patient, A. D., with implanted LVAD - HeartMate III due to severe congestive heart failure. The patient was admitted with jaundice at the PHIU Clinic for Gastroenterohepatology with performed ERCP (Endoscopic retrograde cholangiopancreatography) procedure and a stent was placed in the choledochus duct. The request for an urgent cardiac consultation was due to the patient's immeasurable blood pressure and abnormal ECG. The cardiac examination revealed that the patient had LVAD implanted almost 2 years ago. There was immeasurable blood pressure and pulse, the ECG was approaching VF (ventricular fibrillation) and it was all asymptomatic by the patient. The impeller in a mechanical pump rotates thousands of times per minute. This leads to continuous blood flow, which means that patients with LVAD have no pulse or measurable blood pressure. In patients with LVAD, ECG pulses are with electrical disturbances. VF and ventricular tachycardia (VT) are ventricular arrhythmias that are often seen on ECG in patients with implanted LVAD. Most often due to continuous flow and electrical interference these arrhythmias occur with unknown duration and terminate spontaneously.

Conclusion: the continuous development of medical devices leads to a continuous educational and clinical approach to patients.

Key words: LVAD, ventricular arrhythmias, ECG, blood pressure, pulse.