



Alterations in the cardiovascular system in patients with cirrhosis - assessment of a haemodynamic profile.

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Abstract:

Cirrhotic cardiomyopathy (CCM) is a condition concerning heart muscle dysfunction, occurring among patients with cirrhosis. Cirrhosis leads to the development of a hyperdynamic syndrome, which is manifested by high cardiac output, increased heart rate and effective arterial blood volume, accompanied by reduced total systemic vascular resistance. The aim of the study is to screen patients with cirrhosis, which may lead to earlier diagnosing CCM and hyperdynamic syndrome with its consequences among them. The study included 70 patients over 18 years old, with cirrhosis, caused by alcohol ([ALD], 22), autoimmune (26), viral (9) other reasons (13), qualified for liver transplantation. 39 of them were male. Median age was 47. We disqualified patients with a history of cardiovascular diseases. Each patient had a 6-minute walking test (6MWT) done and a hemodynamic monitoring using non-invasive hemodynamic monitor device was also performed.

Biography-

Maciej Kuztal - 6th year medical student of Warsaw Medical University. His main objects of interest comprise internal medicine and cardiology but also emergency medicine and intensive care. Maciej's research projects were awarded on several medical congresses for student and young scientists in Poland and his last project was granted with financial support from Ministry of Science and Higher Education in Poland.



Publication of speakers:

1. Cardiovascular dysfunction in patients with liver cirrhosis – NCBI
2. Systemic hemodynamics in advanced cirrhosis: Concerns during perioperative period of liver transplantation
3. Vascular pathobiology in chronic liver disease and cirrhosis - current status and future directions
4. Cardiovascular status after postural change in compensated cirrhosis: an argument for vasodilatory concept
5. Hyponatremia in Patients with Cirrhosis of the Liver

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