

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

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**Abstract:**

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.

Methods: 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.

Basic group characteristic differs between aetiologies of liver diseases. Median NTproBNP level was highest in ALD group (253pg/ml) and viral group (177,5 pg/ul) compared to autoimmune group (51 pg/ul) and other (114 pg/ml). Median QTc interval was more prolonged in patients with viral aetiology (456ms) and ALD aetiology (441ms) than autoimmune aetiology (422ms) and other.

**Publication:**

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

Biography:

Maciej Kuszta - 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.

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