

Endothelial disorders in children with diabetic nephropathy

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Abstract

Background: Vascular endothelial cells play a major role in maintaining cardiovascular homeostasis. In addition to providing a physical barrier between the vessel wall and lumen, the endothelium secretes a number of mediators that regulate platelet aggregation, coagulation, fibrinolysis, and vascular tone. In diabetes mellitus type I (T1D) progression of cardiovascular disorders, i.e. arterial hypertension and its complications, diabetic nephropathy (DN), is still the most important side-effect. There are data about the role of Vitamin D in T1D and its complications in adults. However, this issue remains to be open in pediatric practice.

Aim of the Study: To study the levels of Vitamin D, Endothelin-1 in children with T1D and DN and to find out the network of these markers inter-relation.



Biography:

Maidannyk V.G., working as a Professor and Head of the Department of Pediatrics in National O.O. Bogomolets Medical University, Ukraine.

Speaker Publications:

1. "Albumin-Induced Primary Disorders in Nephrotic Syndrome" Experimental and Clinical Data; J Mol Med Clin Appl/ vol.1.1 2015
2. "Correction of Hypoxia-Induced Disorders in Nephrotic Children "ARC Journal of Pediatrics/vol.1 (1) 2015
3. "Possible therapeutic approach to apoptosis correction in Nephrotic children"Clin Diagn Pathol/Vol.1 (2) 2017
4. "Assessment of splanchnic hemodynamics in patients with cirrhosis after separating operations in Comparison with non-operated patients with compensated and decompensated clinical course"ScienceRise/vol.9 2015

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