



**International Conference on Modern Science and Scientific Studies**

Hosted online from Madrid, Spain

Website: [econfséries.com](http://econfséries.com)

20<sup>th</sup> February, 2025

---

## **FEATURES OF LIPID METABOLISM IN FAMILIES OF CHILDREN WITH ACUTE NON-RHEUMATIC CARDITIS**

Mamatkulova F. Kh.

Senior Lecturer of the Department № 2 of Pediatrics of the  
Samarkand State Medical University,

Furkatova M.

Student of Samarkand State Medical University  
Samarkand, Uzbekistan

### **Abstract**

Myocardial lesions are a common form of cardiac pathology (CP) in children and are attracting increasing attention from pediatricians. Children from families with a hereditary burden of cardiac pathology show significant changes in lipid metabolism. These changes can be significantly aggravated by inflammatory changes in the myocardium and deserve special study.

### **The aim of the research**

To highlight the features of lipid metabolism in young children with acute non-rheumatic carditis from families with a burdened family history of cardiopathology.

### **Materials and methods**

The study included 84 children with acute non-rheumatic carditis aged from 3 months to 3 years. In parallel with this group of patients, 38 sick children without a burdened family history of CP were examined. General clinical examination and special biochemical research methods were carried out on all sick children, as well as groups of relatives.

### **Results**

Our data on the unidirectionality of changes in lipid fractions in parents and children do not contradict existing literature data and indicate the undoubted role of heredity in these changes.



# E CONF SERIES



## International Conference on Modern Science and Scientific Studies

Hosted online from Madrid, Spain

Website: [econferences.com](http://econferences.com)

20<sup>th</sup> February, 2025

---

### Conclusions

The unidirectionality of lipid metabolism disorders in probands and in close relatives allows us to conclude that there is a risk of developing similar disorders in practically healthy family members when exposed to unfavorable factors, which must be taken into account during family medical examination.