

24TH EUROPEAN STUDENTS' CONFERENCE
Exploring the Unknown

4th - 7th September, 2013
Berlin, Germany



Abstract Book
2013

267 CHARACTER OF LIPID METABOLISM IN PATIENTS WITH PUBERTAL UTERINE BLEEDING WITH DIFFERENT BODY WEIGHT

ESCID	267
Name	Dynnik, Oleksandra
Country	Ukraine
University	Kharkiv National Medical University

ABSTRACT TITLE: CHARACTER OF LIPID METABOLISM IN PATIENTS WITH PUBERTAL UTERINE BLEEDING WITH DIFFERENT BODY WEIGHT

BACKGROUND: The current period is characterized by a tendency to of integrative approach to studying the pathogenesis and ways to optimize the diagnosis and treatment of many diseases. Lipid metabolism is one of the most sophisticated metabolic processes in the human body. The researchers focus on the whole lipid status mostly in cardiovascular pathology, obesity and atherosclerosis. However, metabolic disorders, including lipid disturbances, occur in patients with endocrine pathology and related to them disorders of the menstrual cycle, including pubertal uterine bleeding (PUB). The aim of our study was to determine the frequency and nature of dyslipidemia in patients with pubertal uterine bleeding against the background of different body weight.

METHODS: The study involved 163 patients aged 13-17 years with PUB. Body mass index (BMI) were determined in all the patients under study. Gr I included 70 adolescent girls with physiological parameters of growth and body weight. Gr. II consisted of 58 patients with overweight, and gr. III amounted to 35 patients with body weight deficit. Some findings of blood serum lipid fractions - total cholesterol, high-density lipoprotein cholesterol (HDL), low-density lipoprotein cholesterol (LDL), triglycerides (TG), atherogenic index (AI) are used today for screening dyslipoproteidemia.

RESULTS: Individual analysis of lipid spectrum parameters revealed that the incidence of its disorders was 22.8%, which was most characteristic of gr. II patients (34.0%). Decreased HDL level in 23.3% of the cases coincided with an increase in TG content, and elevated total cholesterol levels in 80.8% of the cases were associated with the rise of LDL. Reduced HDL level, which has cardioprotective properties, was observed in 16.8% of patients in all three groups. High values of TG serum concentration were revealed in 5.0% of patients, most often they were observed in patients of II gr. most often they were observed in patients of II gr. Increased LDL levels were observed in 7.8% of patients in all three groups. Increased AI was registered in 14.4% of patients in gr.II.

CONCLUSION: 1. Dyslipidemia was found in 22.8% of patients with PUB, and combined disorders in lipid metabolism were observed in 10.6% of the cases. 2. Blood lipid profile of patients with PUB and overweight is characterized by significant increase in the share of patients with HDL low levels, TG increased and increased content or borderline LDL concentrations.

NAME	ESC ID	DISCIPLINE	PAGE
Djurdjevic, Jelena	514	Endocrinology	114
Dotsenko, Konstantin	457	Biochemistry	13
Dovnar, Ruslan	664	Visceral and General Surgery	417
Dugalic, Stefan	569	Biochemistry	14
Dynnik, Oleksandra	267	Gynaecology	145
Dzedzik, Siarhei	386	Pulmonology	389
Dzhanaev, Robert	315	Biochemistry	15
E			
Ebner, Nicole	497	Cardiology	59
Elmas, Leyla	629	Visceral and General Surgery	418
Emam, Seyed Amir Hossein	128	Neurology/Neurosurgery	231
Enikeev, Azat	175	Orthopedic and Plastical Surgery	267
Ezeh, Francis	113	Cardiology	60
F			
Fallah, Nazanin	480	Infectious Diseases	190
Febriyanty, Lusy	46	Dermatology	99
Fedak, Ivan	385	Endocrinology	115
Fedorchenko, Michael	130	Cardiology	61
Fermanli, Orhan	538	Neurology/Neurosurgery	232
Figura, Monika	446	Neurology/Neurosurgery	233
Firmansyah, Aldi	549	Public Health	368
Fischer, Theresa	673	Immunology	179
Frolova, Ksenia	284	Paediatrics	305
Frombach, Janna	469	Pharmacology/Toxicology	325
G			
Ganji, Morsaleh	240	Emergency Medicine/Anaesthesiology	107
Garg, Ankit Kumar	702	Public Health	369
Gąsior, Jakub	254	Neurology/Neurosurgery	234
Gatina, Kateryna	229	Biochemistry	16
Gehrlach, Daniel	269	Biochemistry	17
Ghimessy, Áron	498	Visceral and General Surgery	419
Gholami Fesharaki, Mohammad	560	Public Health	370
Godkin, Owen Patrick	257	Cardial, Thoracal and Vascular Surgery	43
Golovchak, Andriy	148	Orthopedic and Plastical Surgery	268
Golubovic, Ilija	685	Radiology	399
Gordana, Jovanov	279	Dentistry	89
Gorjiandardekashiti, Razieh	217	Biochemistry	18
Grechko, Olga	495	Public Health	371
Grigorov, Boncho	137	Biochemistry	19
Grozdić, Anja	339	Pathology	281