

## **PII18: LAPAROSCOPIC APPROACH TO ADNEXAL TORSION: ADVANTAGES AND LIMITS**

Isabela Draghici\*<sup>1</sup>, Anca Raicu<sup>2</sup>, Maria Popescu<sup>3</sup>, Roxana Boloaga<sup>2</sup>, Cornel Draghici<sup>2</sup>, and Liviu Draghici<sup>4</sup>

E-mail: Isabela Draghici — isabelamagdalena@yahoo.com

<sup>1</sup>„Carol Davila” University of Medicine and Pharmacy; <sup>2</sup>Clinical Emergency Hospital for Children, Bucharest, Romania; <sup>3</sup>Medlife Pediatric Hospital, Bucharest, Romania; <sup>4</sup>Bucharest, Romania

**Background** This paper highlights the role of emergency laparoscopic approach in case of adnexal torsion in young girls and adolescents with large ovarian cysts. The objective is to assess the benefits of minimally invasive approach and the difficulties of laparoscopic dissection in case of annexes greatly increased in size, which narrow the workspace in the pelvis.

**Materials and methods** Our paper presents a retrospective study covering a period of 10 years (from 2007 to 2016) built on the experience of the Pediatric Surgery Clinic at the Clinical Emergency Hospital for Children „Maria Sklodowska Curie” in Bucharest. In the study were included groups of patients operated either through classical approach or laparoscopically for uncomplicated ovarian cyst, respectively adnexal torsion. As a standard rule, laparoscopy has been used in emergency whenever a gonadal suffering through vascular impairment.

**Results** In many cases, the aspects found intraoperatively were discordant to the results of imaging examinations performed preoperatively (Doppler ultrasound). Exploratory laparoscopy has proved to have great utility and applicability in the diagnostic and therapeutic management of adnexal torsion, with high accuracy, attaining the objective of preserving a morphologically adequate and functional gonad.

**Conclusions** Laparoscopic approach represents the first choice in the diagnosis and surgical treatment of adnexal torsion in girls and adolescents, exceeding by far the accuracy of imagistic explorations and the benefits of classical surgery for such pathology.

**Key words** emergency, adnexal torsion, vascular impairment, laparoscopic treatment