



## MINIMALLY-INVASIVE TECHNIQUES IN THE MANAGEMENT OF CHILDHOOD BLADDER DISEASES

**Dmytro Shevchuk**

*Zhytomyr Ivan Franko State University of the MESU, Ukraine*

### Abstract:

**Introduction.** Bladder tumours are a very rare condition in pediatric age. That is why true and accurate information on biological grade and, respectively, the surgical management is absent. However, the majority of physicians take the view that this type of tumour has a low grade of malignization and recurrence, even after the endoscopic excision of neoplasm, in paediatric age.

**Objective.** To describe a possibilities of surgical management of the bladder tumors in a childs by means of minimally invasive equipment.

**Material and methods.** Endoscopic methods of surgical treatment are widely used in the pediatric patients with the urinary tract conditions in the department of surgery No. 2 of the Zhytomyr Oblast's Children's Clinical Hospital. The transcutaneous surgical treatment of bladder conditions has been employed in paediatric age since 2010. It was used for different cases (for the removal of impacted vesical calculus, the foreign bodies of bladder and the excision of bladder urothelial neoplasm). We also tried to use it for the visualisation of the posterior urethra rupture length through the cystoscope, which was put into the epicycstostomic hole of the posterior urethra together with the simultaneous urethroscopy (for the purpose of the directed illumination during the urethroscopy). However, due to the long length of the posttraumatic urethrostenosis it was impossible to achieve the illumination and the catheterisation of urethra during the urethroscopy in the site of damage.

**Results.** The clinical cases of the minimally invasive treatment for the bladder diseases in a childs are presented.

**Conclusion.** Minimally invasive techniques give the opportunity to perform even the radical operations with the perfect cosmetic result and minimal injury that is very important in the pediatric age.



### Biography:

Dmytro Shevchuk is paediatric surgeon/urologist in Zhytomyr Regional Children's Clinical Hospital since 2002 after graduating Uzhgorod national university, medical dpt. Follow a PhD degree in 2009 in Shupyk National medical Academy of postgraduate education. From 2009 was lecturer and from 2011 became an assistant professor in Zhytomyr Ivan Franko State University. Since 2011 is a lecturer in Shupyk National medical Academy of postgraduate education. Studied in different Ukrainian & Polish Clinics, in European Surgical Institute (Hamburg, Germany). A member of different national associations & British Association of Paediatric Surgeons (BAPS), European Society of Pediatric Endoscopic Surgeons (ESPE). Since 2016 – an executive secretary of journal “Paediatric Surgery” (Ukraine).

### Publication of speakers:

1. **Atypicality in the clinical course of intussusception in children / P.S. Rusak, V.F. Rybalchenko, V.V. Stakhov, D.V. Shevchuk // Topical issues of pediatric surgery: collection of materials of the VII Republican scientific and practical conference with international participation, dedicated to the 30th anniversary of the Department of Pediatric Surgery [Electronic resource] / otv. ed. IN AND. Kovalchuk. - Electronic text data and prog. (volume 2.8 Mb). - Grodno: GRSMU, 2015. - 1 electron. wholesale disc (CD-ROM). - S. 275-276.**

**Current and Future Trends in Surgery, April 27-28, 2020, New York, USA**

**Citation:** MINIMALLY-INVASIVE TECHNIQUES IN THE MANAGEMENT OF CHILDHOOD BLADDER DISEASES; Future Surgery 2020; April 27, 2020; New York, USA