

## **Role of Multislice Computed Tomography in the Diagnosis of Urological Complications After Operations on the Pelvic Organs in Women**

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### **Abstract**

The lack of a common methodological approach in the diagnosis of urinary tract damage and postoperative complications in gynecological and obstetric practice due to the limited possibilities of the existing methods of diagnosis. Purpose – to determine the effectiveness of multislice computed tomography (MSCT) in the diagnosis of iatrogenic lesions of the ureters and bladder in women during operations on the pelvic organs in obstetrics and gynecology. A comprehensive survey of 54 women aged 22 to 72 years with disease duration from 4 days to 19 years with various injuries of the urinary system. Patients underwent clinical, X-ray examination, ultrasonography (US), multislice computed tomography (MSCT). When MSCT obstruction level and nature of damage to the ureter, the presence of genitourinary fistula was identified in all studies. The incidence of X-ray examination of the ureter was identified in 40 %, the presence of urinary fistula – in 33,3 %, with the US lower third ureteral fistula course not visualized. MSCT of diagnostic efficacy superior to radiological techniques such as ultrasound and X-ray, and can be recommended as the primary method of diagnosing lesions of the ureters and bladder.

**Key words:** Multislice Computed Tomography, Iatrogenic Ureteric and Bladder Injuries, Urogynecology, Diagnostic Efficiency.

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