

Multislice Computed Tomography in the Diagnosis of Postoperative Changes of the Ureter

A. Yu. Vasil'ev¹, O. A. Vinogradova²

¹Moscow State University of Medicine and Dentistry named after A. I. Evdokimov, Ministry of Healthcare of Russia, Department of Radiology

²Clinical City Hospital № 2, Vladivostok

Abstract

The article is devoted to possibilities Computed Tomography in the diagnosis of iatrogenic injury and complications after surgery on organs of the urinary system. The study included 23 patients with injuries of the ureters. Patients underwent clinical, radiological, ultrasound and MSCT with contrast. Defined indicators of efficiency of MSCT in the diagnosis of these pathological conditions relative to data obtained intraoperatively (n = 14; 60,9 %) and during follow-up (n = 9; 39,1 %).

Key words: : Multislice Computed Tomography, Iatrogenic Ureteral Injuries, Ureteral Stricture.

References

1. *Vasil'eva M. A., Egorova E. A.* Capabilities of ultrasound study and computed tomography in the diagnosis of circumscribed peritonitis in ureteral perforation. Russian journal of radiology. 2011. No. 2. P. 55–88 (in Russian).
2. *Vtorenko V. I., Esipov A. V., Musailov V. A.* Damage to the kidneys, ureters, bladder (review of literature). Moscow Surgery Journal. 2014. No. 2 (36). P. 54–59 (in Russian).
3. *Glybochko P. V., Alyaev Yu. G., Grigoriev N. A., Sorokin N. I.* Complications of a percutaneous nephrolitotripsy. Saratov Scientific and Medical Journal. 2011. T. 7. No. 2. P. 140 (in Russian).
4. *Loran O. B., Seregin A. V., Dovlatov Z. A.* Surgical treatment of iatrogenic structures ad obliterations in the pelvic ureter in women. Experimental and Clinical Urology. 2015. No. 3. P. 128–131 (in Russian).
5. *Chipenko E. S.* Preoperative imaging of ureteral stricture (Case report). Radiology – praktika. 2016. No. 2. P. 64–69 (in Russian).
6. *Esparaz A. M., Pearl J. A., Herts B. R., Le Blanc J., Kapoor B.* Iatrogenic urinary tract injuries: etiology, diagnosis, and management. Seminars in interventional radiology. 2015. V. 32. No. 2. P. 195–208.
7. *Keoghane S. R., Cetti R. J., Rogers A. E., Walmsley B. H.* Blood transfusion, embolisation and nephrectomy percutaneous nephrolithotomy. BJU Int. 2013. V. 111. No. 4. P. 682.
8. *Komyakov B. K.* Treatment of ureteral lesions with vermiform appendix: a report of 14 cases. Eur. Urol. 2011. V. 10 (2). P. 77–78.

Authors

Vasil'ev Aleksandr Yur'evich, M. D. Med., Corresponding Member of the Russian Academy of Sciences, Professor of Department of Radiology of Moscow State Medical University of Medicine and Dentistry named after A. I. Evdokimov, Ministry of Healthcare of Russia.

Address: 9a, Vucheticha ul., Moscow, 127206, Russia.
Phone number: +7 (495) 611-01-77. E-mail: auv62@mail.ru

Vinogradova Olga Aleksandrovna, Radiologist, Clinical City Hospital № 2, Vladivostok.

Address: 57, ul. Russkaya, Vladivostok, 609049, Russia.
Phone number: +7 (924) 422-10-03. E-mail: solo11973@mail.ru