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Renal tumors: New challenges in office diagnostics

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In recent years, the percentage of early-stage renal tumors is increasing due to the population's accessibility to medical services, screening tests and high-performance ultrasonography. More and more types of tumors are without clinical expression and symptoms, accidental discovery being extremely frequent. Ultrasound and computed tomography remain the standards, whereas Magnetic Resonance Imaging (MRI), although having a high sensitivity for detection of renal masses, is used primarily for staging the inferior vena cava and the vascular variants of tumor invasion. The purpose of this study is to present options for the incidental discovery of renal tumors during the urological examination.

Methods of work: Analysis of patients who presented themselves for a routine urological check-up and who following the ultrasonographic examination, were found to have renal tumors that were later confirmed by CT.

Findings: Increased presence of renal tumors without clinical symptoms during routine check-ups in recent years without known risk factors.

Conclusions and meanings: The importance of complete examination of the patient accompanied by ultrasonography of all urological patients.

Recent publications

1. Roussel E, Capitanio U, Kutikov A, Oosterwijk E, Pedrosa I, Rowe SP, Gorin MA. Novel Imaging Methods for Renal Mass Characterization: A Collaborative Review. *Eur Urol.* 2022 May;81(5):476-488.
2. Patard JJ. Incidental renal tumours. *Curr Opin Urol.* 2009 Sep;19(5):454-8.
3. Rossi SH, Hsu R, Blick C, Goh V, Nathan P, Nicol D, Fleming S, Sweeting M, Wilson EC, Stewart GD. Meta-analysis of the prevalence of renal cancer detected by abdominal ultrasonography. *Br J Surg.* 2017 May;104(6):648-659.

Biography

Săndulescu Andrei Stefan is a urologist with expertise in ultrasonography, urological and oncological surgery in the private sector in Romania, Craiova, Dolj County.

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