



Imaging of the Kidney and Urinary Tract

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Message from the Guest Editors

Kidney and urinary tract diseases represent a major health problem with an increasing impact on the health of the population. Today, specialists in medical imaging must acquire specific competences in order to meet clinicians' new needs. An integrated and multiparametric imaging approach is increasingly needed to characterize and stage lesions. This requires knowledge of the different pathologies of the urinary system, of the treatment options, and of the possible treatment-related complications. Today, the radiologist must know what specific information to provide to the surgeon in different clinical situations and what are the features of the various organs after surgery and after different mini-invasive procedures.

International guidelines provide for an increasingly less-invasive approach for the treatment of various diseases of the kidney and urinary tract, whose indications are often placed on the basis of integrated multiparametric imaging. Minimally invasive treatments for tumor therapy also require a precise guidance that imaging guarantees, and the success of the procedures can only be assessed with imaging methods.





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