Special Issue

Role of Artificial Intelligence from the Diagnosis to the Treatment of Renal Cancer: Imaging, Histology and Beyond

Message from the Guest Editors

Artificial intelligence (AI) has made considerable progress in the last decade and is the subject of much of the contemporary literature. This trend is driven by improved computational abilities and increasing amounts of complex data that allow for new approaches in analysis and interpretation. Renal Cell Carcinoma (RCC) has shown even more importance at different moments of patients' history, from diagnosis to intraoperative settings. In fact, approximately 10%–17% of kidney tumors are designated as benign in histopathological evaluation; however, certain comorbid populations (the obese and elderly) have an increased peri-interventional risk. Al offers an alternative solution by helping to optimize precision and guidance for diagnostic and therapeutic decisions. Al applications can be found in any aspect of RCC management, including diagnostics, perioperative care, pathology, and follow-up. In this Special Issue, we invite authors to submit papers (clinical studies or reviews) to investigate the different aspects of AI for RCC, from imaging to histology and beyond, including experiences in pathology, radiology or urological interventions.

Guest Editors

Dr. Enrico Checcucci.

Department of Surgery, Candiolo Cancer Institute, FPO-IRCCS, Strada Provinciale 142, km 3, 95, 10060 Candiolo, Italy

Dr. Daniele Amparore

Department of Urology, San Luigi Gonzaga Hospital, University of Turin, Orbassano, 10043 Turin, Italy

Deadline for manuscript submissions

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Diagnostics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
diagnostics@mdpi.com

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Message from the Editor-in-Chief

You are cordially invited to submit research articles, short communications, comprehensive reviews, case reports or interesting images for consideration and publication in *Diagnostics* (ISSN 2075-4418). *Diagnostics* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Andreas Kjaer

Department of Clinical Physiology, Nuclear Medicine & PET National University Hospital, Rigshospitalet, University of Copenhagen, Blegdamsvej 9, DK-2100 Copenhagen, Denmark

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