

## Special Issue

# Recent Advances in Interventional Oncology

### Message from the Guest Editors

Interventional oncology (IO) is the most recent and fastest growing sub-specialty of interventional radiology, dedicated to the treatment and palliation of cancer and cancer-related symptoms. IO is based on minimally invasive procedures performed percutaneously or endovascularly under image guidance. IO has established itself as an emerging therapeutic specialty within multidisciplinary oncology care, and together with medical, surgical, and radiation oncology, it is today considered the fourth pillar of modern oncological care. IO is focused on three main areas in cancer management: diagnosis, therapy, and symptom palliation.

Artificial intelligence, including radiomics, virtual reality, robotics, and fusion imaging, has recently been introduced in clinical practice. Significant advances in imaging technology have allowed image-guided procedures to be brought into daily clinical practice, which has made targeted cancer treatment possible. Moreover, the combination of IO and immunotherapy is showing promising results and a significant amount of interest is focused on improving this combination, looking forward to its full implementation in clinical practice.

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 April 2025)



## Diagnostics

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