

Special Issue

Artificial Intelligence in Head and Neck Cancer Radiotherapy and Imaging

Message from the Guest Editors

Artificial intelligence (AI) is revolutionizing head and neck cancer (HNC) care by providing innovative tools that enhance diagnostic accuracy and personalize treatment strategies. Early diagnosis of HNC, stage and pathological features are vital for guiding management selection and enhancing survival outcomes among patients with HNC. Generally, stages I-II cancer typically comprise a small primary tumor with nodal dissemination, but stages III-IV may involve larger tumors infiltrating surrounding structures or regional nodes. The scope of this Special Issue is to gather and present novel data regarding the impact of medical imaging in target volume delineation in Radiotherapy (RT) planning and comprehensive therapeutic management of HNC patients. The focus of the Special Issue is on the advancements in AI technologies, including deep learning and natural language processing, and their applications in HNC. We welcome original articles on basic, pre-clinical, clinical, and translational research.

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Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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