Radiomics in Gynecologic Oncology

Medical image processing and analysis (also known as Radiomics) is a rapidly growing discipline that maps digital medical images into quantitative data, with the end goal of generating imaging biomarkers as decision support tools for clinical practice. The use of imaging data from routine clinical work-up has tremendous potential in improving cancer care by heightening understanding of tumor biology and aiding in the implementation of precision medicine.

Radiomics is an important evolution in the radiological contest of lesion imaging with a great potential of development and adoption in clinical practice.

This special issue has the scope to evaluate radiomic application in onco-gynecological field as biomarker and in the evaluation and monitoring of tumor characteristics such as temporal and spatial heterogeneity.

Keywords: Radiomics, oncology, predict response, lesion image evaluation, computational medical imaging, gynecological cancer

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