



PHYSICS

A few inspiring physics contributions at ESTRO 2021

Dear Readers,

As is now tradition, we have picked a few inspiring physics contributions that were presented at the 2021 meeting of the European Society for Radiotherapy and Oncology (ESTRO). Here we present a Q&A with the authors of these studies. Enjoy your reading!

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The MArkerless lung target Tracking CHallenge (MATCH) [>>](#)

Cell-rad: towards histology-driven radiation oncology from multi-parametric MRI [>>](#)

Developing quality assurance tests for simultaneous PET-MR imaging for radiotherapy planning [>>](#)

Validation of the impact of heart base dose on survival in NSCLC patients from the PET-plan trial [>>](#)

Thoracic dose patterns associated with radiation induced lymphopenia in patients treated for NSCLC [>>](#)

Deep-learning-based time-to-event prediction for a large multicentric cohort of H&N cancer patients [>>](#)