

# **International Conference on Advances in Radiation Oncology #ICARO3**

**Tuesday 16 February 2021 - Friday 19 February 2021**

## **Scientific Programme**

## **Advanced Technologies: IT & AI**

Paperless RT department, artificial intelligence / machine learning, autocontouring / autoplanning, big data, adaptive RT: new developments, challenges and possible solutions, practical implementation in LMIC

## **Advanced Technologies: MRI-LINAC**

MRI-LINAC: new developments, challenges and possible solutions, practical implementation in LMIC

## **Advanced Technologies: Proton and Ion Beam Therapy**

Proton and Ion Beam Therapy: new developments, challenges and possible solutions, practical implementation in LMIC

## **Advanced Technologies: SBRT**

SBRT: new developments, challenges and possible solutions, practical implementation in LMIC

## **Brachytherapy**

## **Clinical Research**

## **Education**

Education and training of professionals working in radiotherapy, staffing, education requirement, global interprofessional education, certification, accreditation and professional registry.

## **Health Economics and Health Systems Research**

Health economics, roadmap for setting up modern radiation oncology facilities, national cancer control strategies and advocating RT.

## **Medical Physics**

Small field dosimetry, SSDL, standards, developments in treatment planning and how to evaluate a treatment plan.

## **Quality Assurance**

QUATRO, auditing procedures, developments in quality assurance and new approaches to quality management, safety in radiation therapy, quality and safety.

## **Radiobiology**

Personalized Medicine, Experimental and Clinical Radiobiology, Biodosimetry, Management of Late Effects, Spatially Fractionated Radiation Therapy, FLASH.

## **Radiotherapy for Paediatric Malignancies**

## **The RTT Profession**