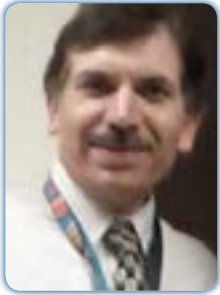


20<sup>th</sup> World Congress on

# RADIOLOGY AND ONCOLOGY

September 26-27, 2018 | Chicago, USA



## *Anil Sethi*

Loyola University Chicago, USA

### **Current trends in radiation oncology**

The impact of technological innovations on Radiation Oncology cannot be overstated. Specifically, these innovations have enabled precise targeting of tumor cells and sparing of adjacent normal tissues. The past two decades have witnessed dramatic changes in the clinical practice of Radiation Oncology. Beginning with the advent of intensity modulated radiation therapy (IMRT) which revolutionized the field, there have been important developments in image-guided radiotherapy (IGRT), stereotactic body radiotherapy (SBRT), proton therapy and MRI guided radiation therapy (MRgRT). This talk will feature an overview of novel technological advances that have shaped the field of Radiation Oncology. After a brief historical perspective, the current state of practice will be presented followed by possible directions for future research.

### **Biography**

Anil Sethi, PhD is currently a professor of Medical Physics and director of Medical Physics Residency Program at Loyola University Medical Center. He is actively involved in education, clinical service and research. He has authored more than 50 peer-reviewed papers and book chapters and presented more than 100 abstracts and invited talks at national and international conferences. His research interests are in the fields of IORT, Stereotactic Radiosurgery (SRS) and MR based treatment planning & delivery. He has served in many capacities in the American Association of Physicists in Medicine (AAPM). He was elected a member of the ACR Commission on Medical Physics. He is also on the editorial board of Medical Physics journal, Awards and Honors Committee, and a fellow of the AAPM.

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**Notes:**