Frontiers of Radiosurgery

OCTOBER 24 & 25, 2019
MILANO, ITALY

Centro Diagnostico Italiano
Via Simone Saint Bon 20, 20147 Milan - Italy

With the sponsorship of:
THURSDAY, OCTOBER 24 2019

08:30 - 09:00
INTRODUCTIONS

Pantaleo Romanelli
Scientific Director for Brain Radiosurgery, Cyberknife Center, Centro Diagnostico Italiano (CDI), Milan, Italy
Visiting Scientist, European Synchrotron Radiation Facility (ESRF), Grenoble, France

Shalom Kalnicki
Professor and Chairman, Department of Radiation Oncology, Montefiore Hospital-Albert Einstein Medical Center, Bronx, NY, USA
Chairman of the Board of Directors, Radiosurgery Society (RSS)

Joanne Davis
Executive Director, Radiosurgery Society
San Mateo, California, USA

Diana Bracco
President and CEO of Bracco Group and CDI, Milan, Italy

09:00 - 11:30
STEREOTACTIC RADIOSURGERY (SRS) FOR INTRACRANIAL LESIONS
Moderated by: Michael Schulder (New York, USA), Antonino Germanò (Messina, Italy)

09:00 - 09:20
SRS for Trigeminal Neuralgia and Epilepsy
Pantaleo Romanelli (Milan, Italy)

09:20 - 09:40
SRS for Optic Pathways and Skull Base
Alfredo Conti (Messina, Italy)

09:40 - 10:00
SRS for Acoustic Schwannomas
Alexander Muacevic (Munich, Germany)

10:00 - 10:20
SRS for Gliomas
Scott Soltys (Stanford, California, USA)
10:20 - 10:40
Brain Metastases
Maximilian Ruge (Cologne, Germany)

10:40 - 11:00 Question & Answer Session

11:00 - 11:15 Coffee break

11:15 - 13:00
BRAIN AND SPINE SRS ORAL ABSTRACT PRESENTATIONS
Moderated by: Pantaleo Romanelli (Milan, Italy), Sukru Caglar (Ankara, Turkey)

11:15 - 11:25
Factors affecting Outcome in Frameless Non-Isocentric Stereotactic Radiosurgery for Trigeminal Neuralgia: A Multicentric Cohort Study
Alfredo Conti, MD, PhD, University Of Messina, Italy

11:25 - 11:35
CyberKnife Radiosurgery Provides Acceptable Long Term Control with Low Risk of Re-bleeding in Arteriovenous Malformations Not Suitable for Surgery
Franziska Loebel, MD, Charité University Hospital Berlin, Germany

11:35 - 11:45
Gamma Knife Radiosurgery for Arteriovenous Malformations: A Clinical Series of 199 Patients
Selcuk Peker, MD, Koc University School of Medicine, Istanbul, Turkey

11:45 - 11:55
Safety of Cyberknife Radiosurgery in Optic Nerve Sheath Meningioma
Carolin Senger, MD, Charité University Hospital Berlin, Germany

11:55 - 12:05
Frame-based and Masked Stereotactic Radiosurgery: A Patient Experience Comparison with the Gamma Knife Icon
Michael Schulder, MD, Northwell Health, NY, USA

BRAIN AND SPINE SRS ORAL ABSTRACT PRESENTATIONS

12:05 - 12:10
Preliminary Results of Fractionated Cyberknife Radiosurgery for Uveal Melanoma
Isa Bossi Zanetti, MD, Centro Diagnostico Italiano, Italy

12:10 - 12:15
Longitudinal Radiographic Outcomes of Vestibular Schwannoma in Single and Fractionated Stereotactic Radiosurgery
Mohamed Khattab, MD, Vanderbilt University Medical Center, TN, USA
12:15 - 12:20
A Retrospective Cohort Study of Longitudinal Audiologic Assessment in Single and Fractionated Stereotactic Radiosurgery for Vestibular Schwannoma
Mohamed Khattab, MD, Vanderbilt University Medical Center, TN, USA

12:20 - 12:25
Analysis of the Efficacy of Gamma Knife in Treating Primary Trigeminal Neuralgia
Zhoushuang Sun, MD, Friendship Hospital, People’s Republic of China

12:25 - 12:30
Efficacy and Safety of Cyberknife Radiosurgery in Elderly with Brain Metastases
Güliz Acker, Charité University Hospital, Germany

12:30 - 12:35
Hypofractionated Stereotactic Radiosurgery (hSRS) as Salvage Treatment of Brain Metastases
Daniel Rueß, MD, University Hospital of Cologne, Germany

12:35 - 12:40
First Report On Frameless Mask Optimization Using the Elekta Leksell Gamma Knife Icon
Michael Schulder, MD, Northwell Health, NY, USA

12:40 - 12:45
The Combined Stereotactic Radiosurgery and Endovascular Approach for Large Arteriovenous Malformations
Vladyslav Buryk, MD, PhD, Sigulda Hospital, Latvia

12:45 - 12:50
Gamma Knife Anterior Capsulotomy for Treatment Resistant Obsessive Compulsive Disease
Selcuk Peker, MD, Koc University School of Medicine, Istanbul, Turkey

12:50 - 13:00 Question & Answer Session

13:00 - 14:00 Lunch

14:00 - 16:30
STEREOTACTIC BODY RADIOTHERAPY (SBRT) FOR EXTRACRANIAL LESIONS
Moderated by: Chandan Guha (New York, USA), Giancarlo Beltramo (Milan, Italy)

14:00 - 14:20
SBRT for Oligometastatic Disease
Shalom Kalnicki (New York, USA)
14:20 - 14:40
Stereotactic Radiosurgery for Spinal Lesions
Madhur K. Garg (New York, USA)

14:40 - 15:00
SBRT for Lung Cancer
Hale Basak Caglar (Anadolu, Turkey)

15:00 - 15:20
SBRT for Hepatobiliary Tumors
Andrew Gaya (London, UK)

15:20 - 15:40
SBRT for Primary Renal Cell Carcinoma
Alexander Muacevic (Munich, Germany)

15:40 - 16:00
SBRT for Prostate Cancer
Giancarlo Beltramo (Milan, Italy)

16:00 - 16:20
NRG/SWOG Clinical Trials for Prostate Stereotactic Radiation Therapy: Issues and Questions
Richard K. Valicenti, (California, USA)

16:20 - 16:30 Question & Answer Session

16:30 - 18:00
SBRT FOR EXTRACRANIAL LESIONS ORAL ABSTRACTS
Moderated by: Giancarlo Beltramo (Milan, Italy), Madhur M. Garg (New York, USA), Hale Basak Caglar (Anadolu, Turkey)

16:30 - 16:40
Cost-Effectiveness Analysis of Upfront SBRT for Oligometastatic Stage IV Non-Small Cell Lung Cancer Based on Mutational Status
Diane Ling, MD, University of Pittsburgh Medical Center Hillman Cancer Center, PA, USA

16:40 - 16:50
Stereotactic Body Radiotherapy (SBRT) for Metastatic Abdomino-Pelvic Lymph Nodes
Paula Antonini, MD, Hospital Virgen del Consuelo, Spain

16:50 - 17:00
Plan Quality and Treatment Time of Patients Receiving Pancreatic SBRT with Volumetric Modulated Arc Therapy
Rojymon Jacob, MD, University of Alabama at Birmingham, AL, USA
17:00 - 17:10
Evaluation of Outcomes after Stereotactic Hypofractionated Radiotherapy for Prostate Cancer
Giancarlo Beltramo, MD, Centro Diagnostico Italiano, Milan, Italy

EXTRACRANIAL SBRT ORAL ABSTRACT PRESENTATIONS

17:10 - 17:15
Stereotactic Robotic Body Radiotherapy for Carcinoma Prostate
Tejinder Kataria nee Sethi, MD, Medanta Cancer Institute, The Medicity, India

17:15 - 17:20
Evaluation of SABR (Stereotactic Ablative Body Radiotherapy) in the Management of Oligometastatic Prostate Cancer: A Case Report of Single Center
Maris Mezeckis, MD, Sigulda Hospital, Latvia
Vladyslav Buryk, MD, PhD, Sigulda Hospital, Latvia

17:20 - 17:25
Hypofractionated Robotic Radiosurgery for Relapsed and Oligometastatic Prostate Cancer
Bora Uysal, MD, University of Health Sciences, Gulhane Training and Research Hospital, Ankara, Turkey
Azamat Dauletkaizin MD, University of Health Sciences, Kutahya Training and Research Hospital, Kutahya, Turkey
Hakan Gamsiz, MD, University of Health Sciences, Gulhane Training and Research Hospital, Ankara, Turkey
Omer Sager, MD, University of Health Sciences, Gulhane Training and Research Hospital, Ankara, Turkey
Ferrat Dincoglan, MD, University of Health Sciences, Gulhane Training and Research Hospital, Ankara, Turkey
Selcuk Demiral, MD, University of Health Sciences, Gulhane Training and Research Hospital, Ankara, Turkey
Murat Beyzadeoglu, MD, University of Health Sciences, Gulhane Training and Research Hospital, Ankara, Turkey

17:25 - 17:30
SBRT to Portal Vein Tumor Thrombus: Paving the Way for Liver Transplant
Shyam Singh Bisht, MD, Medanta-The Medicity, India

17:30 - 17:45 Question & Answer Session

17:45 - 18:00
Day 1 Closing Remarks
Pantaleo Romanelli (Milan, Italy), Shalom Kalnicki (New York, USA)
FRIDAY, OCTOBER 25, 2019

08:30 - 10:45
IMMUNOTHERAPY, SRS AND ABLATIVE THERAPIES FOR THE TREATMENT OF CNS LESIONS
Moderated by: Mansoor Ahmed (Bethesda, USA)

08:30 - 09:00
Pre-clinical models of immunotherapy and SRS for brain lesions
Sandeep Burma (Dallas, TX, USA)

09:00 - 09:30
Combination Immunotherapy and SRS for the Treatment of Brain Metastases
Silvia Chiara Formenti (New York, USA)

09:30 - 10:00
Advancements in GRID/Lattice/FLASH/Microbeam Therapy
Mansoor Ahmed (Bethesda, USA)

10:00 - 10:30
High-Focused Ultrasound and Ablative Therapies for the Treatment of CNS Lesions
Chandan Guha (New York, USA)

10:30 - 10:45 Question & Answer Session

10:45 - 11:15
Keynote lecture - introduced by Dr Shalom Kalnicki:
Synchrotron-generated Microbeams: an emerging frontier for SRS and Brain MicrolImaging
Pantaleo Romanelli (Milan, Italy)

11:15 -11:30 Coffee Break

11:30 - 13:00
STATE - OF - THE - ART AND EMERGING TECHNOLOGIES IN RADIOSURGERY
Moderated by: Irene Redaelli (Milan, Italy), Christos Antypas (Athens, Greece)

11:30 - 11:50
Emerging Technologies of SRS/SBRT
Stanley Benedict (Sacramento, California, USA)

11:50 - 12:10
Launching a New SRS Device: Zap
Igor Barani (Phoenix, Arizona, USA)
Lecture sponsored by ZAP
No CME session

12:10 - 12:30
Frontiers of Focused Ultrasounds in the treatment of Brain Disorders
Jin Wu Chang (Seoul, Korea)
12:30 - 12:40
Microbeam radiation therapy against cancer – possible underlying biological mechanisms
Valentin Djonov (Berne, Switzerland)

12:40 - 13:00 Questions & Answer Session

13:00 - 14:00 Lunch Break

14:00 - 15:20
MEDICAL PHYSICS AND EMERGING TECHNOLOGIES ORAL ABSTRACT PRESENTATIONS
Moderated by: Stanley Benedict (Sacramento, California, USA), Christos Antypas (Athens, Greece)

14:00 - 14:10
Radiomic: Prediction of Acoustic Neuroma Response to the Cyberknife Treatment
Isa Bossi Zanetti, MD, Centro Diagnostico Italiano, Milan, Italy

14:10 - 14:20
Implementation of Quality Assurance Program for CyberKnife Treatment Planning System
Tatsiana Reynolds, PhD, Minnesota Oncology, MN, USA

14:20 - 14:30
Dose Homogeneity in Stereotactic Radiosurgery: Physical Aspects
Harald Treuer, PhD, University Hospital of Cologne, Germany

14:30 - 14:40
An Evaluation of a High Resolution Film-Less Patient Specific Quality Assurance Solution for Mono-Isocentric Multiple Metastasis Radiosurgery Plans with Non-Coplanar Fields
Roland Teboh, PhD, Hackensack University Medical Center, USA

MEDICAL PHYSICS AND EMERGING TECHNOLOGIES ORAL ABSTRACT PRESENTATIONS

14:40 - 14:45
Use of Electromagnetic Transmitter to Monitor Intrafraction Motion in Prostate Cancer Radiotherapy: Application, Stability, Treatment Time
Tulay Ercan, PhD, Gayrettepe Florence Nightingale Hospital, Turkey

14:45 - 15:00
Cyberknife Patient Specific Quality Assurance using 2D Mapcheck Diode Array
Tatsiana Reynolds, PhD, Minnesota Oncology, MN, USA
14:50 - 14:55
The Determination of the Impact of Inverse Planning Technique with Dynamic Multi Leaf Colimator (dMLC) and Volumetric Arc Therapy (VMAT) with FFF on Peripheral Organ Doses
Esil Kara, Koru Ankara Hospital, Turkey

14:55 - 15:00
Single vs Multiple VMAT Arcs for Brain Tumors
Asad Zameer, Karachi, Pakistan

15:00 - 15:05
Cyberknife Treatment of a Rectal Carcinoma Recurrence: Influence on the Dosimetry of a Rectal Prosthesis
Maria Cristina Frassanito, PhD, Mater Dei Hospital, Bari, Italy
Palma Rita Altiere, PhD, Italian National Institute of Nuclear Physics (INFN), Bari, Italy
Pasquale Tarantino, PhD, Mater Dei Hospital, Bari, Italy
Anna Maria Grazia Pastore, PhD, Mater Dei Hospital, Bari, Italy

15:05 - 15:10
Feasibility Study of Tantalum Markers for the Treatment of Ocular Melanoma with CyberKnife Stereotactic Radiotherapy
Anna Stefania Martinotti, Cyberknife Center, Centro Diagnostico Italiano, Milan, Italy

15:10 - 15:30 Question & Answer Session

15:30 - 16:15
IMAGING FOR INTRACRANIAL AND EXTRACRANIAL STEREOTACTIC RADIOTHERAPY
Moderated by: Sergio Papa (Milan, Italy), Fulvio Uggeri (Milan, Italy)

15:30 - 15:50
Imaging for intracranial and spinal SRS
Alfredo Conti (Messina, Italy)

15:50 - 16:10
Imaging for extracranial SBRT
Gianpaolo Carrafiello (Milan, Italy)

16:10 - 16:15 Question & Answer Session

16:15 - 17:15
Round Table/ Take Home Messages:
Moderators: Pantaleo Romanelli (Milan, Italy), Shalom Kalnicki (New York, USA)
Panelists: Mansoor Ahmed (Bethesda, USA), Chandan Guha (New York, USA), Hale Basak Caglar (Anadolu, Turkey), Madhur M. Garg (New York, USA), Stanley Benedict (California, USA), Christos Antypas (Athens, Greece)

Final remarks
Pantaleo Romanelli (Milan, Italy), Shalom Kalnicki (New York, USA)
Mansoor Ahmed, PhD
Director of Radiation Research Program, National Cancer Institute, National Institute of Health (NIH), Bethesda, MD, USA

Christos Antypas, PhD
Medical Physicists, Aretaieion Hospital, National and Kapodistrian University of Athens, Athens, Greece

Igor Barani, MD
Associate Professor and Chairman, Department of Radiation Oncology, Barrow Neurological Institute, Phoenix, AZ, USA

Giancarlo Beltramo, MD
Director, Cyberknife Center, Centro Diagnostico Italiano (CDI), Milan, Italy

Stanley H. Benedict, PhD
Professor and Vice Chairman of Clinical Physics, University of California, Davis, CA, USA

Sandeep Burma, PhD
Associate Professor, Division of Molecular Radiation Biology, Department of Radiation Oncology, University of Texas Southwestern Medical Center, Inwood Road, Dallas, TX, USA

Hale Basak Caglar, MD
Professor of Radiation Oncology, Anadolu Medical Center, Istanbul Medipol University, Turkey

Sukru Caglar, MD
Professor and Chairman, Department of Neurosurgery, University of Ankara, Turkey
Past President, Turkish Neurosurgical Society

Gianpaolo Carrafiello, MD
Professor of Radiology, University of Milan, Italy

Jin Woo Chang, MD, PhD
Professor of Neurosurgery, Director of the Brain Research Institute, Yonsei University College of Medicine, Seoul, Korea
President of the World Federation for Stereotactic and Functional Neurosurgery (WSSFN)
Irene Redaelli, PhD  
Cyberknife Center, Centro Diagnostico Italiano (CDI), Milan, Italy

Pantaleo Romanelli, MD  
Scientific Director for Brain Radiosurgery, Cyberknife Center, Centro Diagnostico Italiano (CDI), Milan, Italy  
Visiting Scientist, European Synchrotron Radiation Facility (ESRF), Grenoble, France

Maximilian Ruge, MD  
Professor and Chairman, Department of Stereotactic and Functional Neurosurgery, University Hospital of Cologne, Germany

Scott Soltys, MD  
Associate Professor of Radiation Oncology, Stanford University Medical Center, Stanford, CA, USA

Michael Schulder, MD  
Professor and Vice-Chairman, Department of Neurosurgery; Director of Brain Tumor Institute, North Shore University Hospital Manhasset, NY, USA  
Past President, World Federation of Stereotactic and Functional Neurosurgery (WSSFN)

Fulvio Uggeri, PhD  
Head of Global Innovation & Technical Operations, Global Business Unit Imaging, Bracco Imaging SpA, Milan, Italy

Richard K. Valicenti, MD, MA, FASTRO  
Professor and Chairman, Department of Radiation Oncology, University of California Davis Comprehensive Cancer Center, Sacramento, CA, USA
GENERAL INFORMATION

CENTER VENUE
Centro Diagnostico Italiano
Via Simone Saint Bon 20, 20147 Milan - Italy

ORGANIZING CO-CHAIRS

Shalom Kalnicki
MD, Chairman Department of Radiation Oncology, Montefiore University, Chairman of Radiosurgery Society Board of Directors
Bronx, New York (US)

Pantaleo Romanelli, MD
MD, Scientific Director, Brain Radiosurgery, Centro Diagnostico Italiano, Milan, Italy

REGISTRATION
The registration fee is € 100,00 (Vat included) and include:
• Admission to the scientific sessions
• Congress bag with complete meeting materials
• Certificate of attendance
• Access to the exhibition area

To register please click the following link:
http://www.morecomunicazione.it/archivio-eventi/frontiers-of-radiosurgery

ABSTRACTS:
The Abstracts will be available at the link below from October 14th, 2019:
https://www.cureus.com/channels/therss

CME
15 CME for italian participants have been confirmed for the below categories:
Neurosurgeons; radiation oncologists; surgeons; medical oncologists; medical physicists; dosimetrists and healthcare professionals; radiation therapists

HOTEL ACCOMMODATION
For more information please contact: info@morecomunicazione.it
This event has been sponsored by

[Logos of various sponsors]

SEGRETARIA ORGANIZZATIVA
MORE COMUNICAZIONE
Provider ECM ID 4950
Via Cernaia, 35
00185 Roma
T: +39.06.87678154
F: +39.06.94443440
info@morecomunicazione.it
morecomunicazione.it