

THINK HADROM: discovering Hadrontherapy within Multidisciplinarity

[3 Webinars]

November 21st, 2022

December 12th, 2022

February 15th, 2023

Scientific Director

Ester Orlandi

1ST Webinar

HIGH TECHNOLOGY, ECONOMIC and ETHICAL SUSTAINABILITY

Monday, November 21st 2022

[AIMS]

The webinar will face current methodologies to evaluate the sustainability of Hadrontherapy going through the clinical experiences and the ethical aspects. Given that Hadrontherapy is up-to-date addressed to rare tumors, a multidisciplinary collaboration is of utmost importance for its application both for the patients benefit and for Healthcare Systems. The translational research will give the chance to expand the scientific knowledge on the clinical benefits of Hadrontherapy. Moreover National and International Networks and Cooperations are the keys to build clinical evidence for and to maximize the investment for this innovative technology.

[Preliminary Program]

- 15.00 Introduction to the Meeting
Ester Orlandi
- 15.10 Alternative strategies for obtaining clinical evidence for hadron therapy.
Christian Hammer
- 15.30 Health economic evaluation in planning hadrontherapy
Elio Borgonovi
- 15.40 Decision-analytical modelling for economic evaluations in healthcare, with examples in oncology
Silvana Quaglioni
- 15.50 Ethics and new technologies
Virginia Sanchini
- 16.10 The importance of the oncological network
Stefano Maria Magrini
- 16.30 Health technology assessment
Alexandra Jensen
- 16.50 Traslational research in hadrontherapy: current status and future directions
Marco Durante
- 17.10 The role of particle therapy networking: EPTN
Cai Grau
- 17.30 Development of a cost-effectiveness model in a randomized trial for hadrontherapy
Steven J. Frank

17.50 Discussion

18.00 Take home messages
Ester Orlandi

18.05 Adjourn

[Director]

Ester Orlandi
Radiation Oncology Clinical Department
CNAO National Center for Oncological Hadrontherapy
Pavia
Italy

[Invited Speakers]

Elio Borgonovi
Public and Healthcare Management
Milan
Italy

Marco Durante
Biophysics Department
GSI Helmholtz Center
Darmstadt
Germany
PTCOG President

Steven J. Frank
The Bessie McGoldrick Professorship in Clinical Cancer Research
Executive Director, Particle Therapy Institute
Deputy Head, Strategic Programs
Division of Radiation Oncology
The University of Texas MD Anderson Cancer Center

Cai Grau
Danish Centre for Particle Therapy
Aarhus University Hospital
Denmark

Christian Hammer
Department of Radiation Oncology
University of Groningen
University Medical Center
Groningen
The Netherlands



ACCADEMIA NAZIONALE DI MEDICINA

in partnership with



Alexandra Jensen
Department of Radiation Oncology
University Hospitals Gießen and Marburg (UKGM)
Gießen
Germany

Stefano Maria Magrini
Department of Radiation Oncology
University of Brescia and Spedali Civili Hospital
Brescia

Silvana Quaglini
Department of Internal Medicine
San Matteo Hospital Foundation
University of Pavia
Italy.

Virginia Sanchini
Department of Oncology and Hemato-Oncology
Università of Milan
Italy

2nd Webinar
HEAD & NECK TUMORS
Monday, December 12th 2022

[AIMS]

The webinar will be focused on the therapeutic management of Head and Neck cancers, with particular regards to the current evidences and future development of particle therapy. . Particle therapy is currently one of the advanced techniques of radiation therapy, increasingly selected thanks to the advantageous physical and biological properties.. Due to the proximity of HNC target volumes to numerous critical structures and the radioresistance of several histologies, nowadays hadrontherapy represents a promising alternative to photon-based therapy. Head and Neck cancers treatment needs a multidisciplinary approach due to the complexity and rarity of the disease. In this setting, future perspectives will explore the possible combination of systemic therapies and Hadrontherapy, defining the role and timing of these new strategies within national and international collaboration

[Preliminary Program]

- 15.00 Introduction to the Meeting
Ester Orlandi
- 15.10 Current evidence of protons and future developments for H&N cancers
Arnaud Beddok
- 15.30 Proton therapy for nasopharyngeal carcinoma
Melvin Chua Lee Kiang
- 15.50 CNAO experience for H&N cancers
Sara Ronchi, Barbara Vischioni
- 16.10 Hadrontherapy for paranasal sinuses cancers
Juliette Thariat
- 16.30 Challenges in combining endoscopic surgery and particle therapy for paranasal sinuses cancers
Marco Ferrari
- 16.50 Combining hadrons and chemotherapy or immunotherapy for rare H&N cancers: state of the art and future challenges
Laura Locati
- 17.10 Discussion
- 17.25 Take home messages
Ester Orlandi
- 17.30 Adjourn

[Invited Speakers]

Arnaud Beddok
Radiation Oncologie
Curie Institute
Paris
France

Melvin Chua
Division of Radiation Oncology
National Cancer Centre Singapore

Marco Ferrari
Department of Neurosciences
University of Padova Italy

Laura Locati
Translational Oncology
IRCCS ICS Maugeri
Pavia
Department of Internal Medicine and Medical Therapy
University of Pavia Italy

Sara Ronchi
Radiotherapy Unit
Clinical Department
CNAO National Center for Oncological Hadrontherapy
Pavia Italy

Juliette Thariat
Department of Radiation Oncology
Françoise Baclesse Center ARCHADE
Normandy University
Caen
France

Barbara Vischioni
Radiotherapy Unit
Clinical Department
CNAO National Center for Oncological Hadrontherapy
Pavia Italy

3rd Webinar

CHORDOMAS And CHONDROSARCOMAS

Wednesday, 15th February 2023

[AIMS]

The webinar introduces the indication of surgery and hadrontherapy as the treatment of chordomas and chondrosarcomas. The therapeutic use of protons and carbons has gained significant interest due to advantageous physical and radiobiologic properties compared to photon-based therapy. By taking advantage of these unique properties, carbon ion radiotherapy (CIRT) may allow dose escalation to tumours while reducing radiation dose to adjacent normal tissues. For these reasons, CIRT has emerged as a promising strategy for the treatment of a variety of malignancies including sacral chordomas that have a relatively poor radiosensitivity and are in critical location.

Topics of the webinar will also be the locoregional approach with systemic treatment and the validity of alternative local therapy when surgery or radiotherapy cannot be considered as the appropriate clinical choice.

[Preliminary Program]

- 15.00 Introduction to the Meeting
Ester Orlandi
- 15.10 Indication to surgery of the sacrum and mobile spine: site specific morbidity and rational for alternative treatments
Stefano Radaelli
- 15.30 The role of the endoscopic endonasal approach (EEA) in the treatment of clival chordomas Diego Mazzatenta
- 15.50 Proton therapy for chordoma and chondrosarcoma
Damien Weber
- 16.10 CNAO experience for chordoma and chondrosarcoma
Alberto Iannalfi – Maria Rosaria Fiore
- 16.30 Radiobiological aspects in plan optimization with hadrons for chordomas
Silvia Molinelli
- 16.50 When a systemic treatment is a valuable alternative to a locoregional approach
Silvia Stacchiotti
- 17.10 Alternative local therapy when there is no indication for surgery and radiotherapy
Carlo Morosi
- 17.30 Discussion
- 17.40 Take home messages
Ester Orlandi
- 17.45 Adjourn

[Director]

Ester Orlandi
Radiation Oncology Clinical Department
CNAO National Center for Oncological Hadrontherapy
Pavia
Italy

[Invited Speakers]

Alberto Iannalfi
Radiotherapy Unit
Clinical Department
CNAO National Center for Oncological Hadrontherapy
Pavia
Italy

Diego Mazzatenta
Department of Biomedical and neuromotor sciences
University of Bologna
Center of pituitary and endoscopic skull_base surgery
IRCCS Institute of neurological sciences of Bologna
Bellaria Hospital
Italy

Silvia Molinelli
Medical Physics Unit
Clinical Department
CNAO National Center for Oncological Hadrontherapy
Pavia
Italy

Carlo Morosi
Radiology Department
Fondazione IRCCS
Istituto Nazionale dei Tumori
Milan
Italy.

Stefano Radaelli
Department of Surgery
Fondazione IRCCS
Istituto Nazionale dei Tumori
Milan
Italy

Silvia Stacchiotti
Adult Mesenchymal Tumor and Rare Cancer Unit
Department of Cancer Medicine
Fondazione IRCCS
Istituto Nazionale Tumori
Milan
Italy

Damien Weber
Center for Proton Therapy
Paul Scherrer Institute
Villigen
Switzerland

[Target Audience]

Medical oncologists, radiation oncologists, radiologists, general surgeons, maxillofacialsurgeons, neurosurgeon, otolaryngologists, nuclear medicine physicians, neuroradiologists, neurologists, orthopedics, pain therapist, pediatricians, physiotherapists, nutritionists.

[Registration]

Participation to the webinars is free, places available are limited.

Registrations are only available at <https://fad.accmed.org/course/info.php?id=1044>, they will be accepted in the chronological order of arrival and will be confirmed by e-mail

[How to participate]

Participants will need a good quality internet connection and a device (PC, smartphone, tablet) capable of running a recent Internet browser (e.g. any updated version of Chrome or Firefox)

[Organizer]

ACCADEMIA NAZIONALE DI MEDICINA

Direttore Generale: Stefania Ledda

Via Martin Piaggio, 17/6

16122 Genova

[Logistics and technological services]

Forum Service

Via Martin Piaggio 17/7

16122 Genova

[Information]

fad.accmed.org

Tel +39 010 83794273

Cell. + 39 349 0530484

Mail: segreteriacorsi@accmed.org