EDUCATIONAL PROJECT

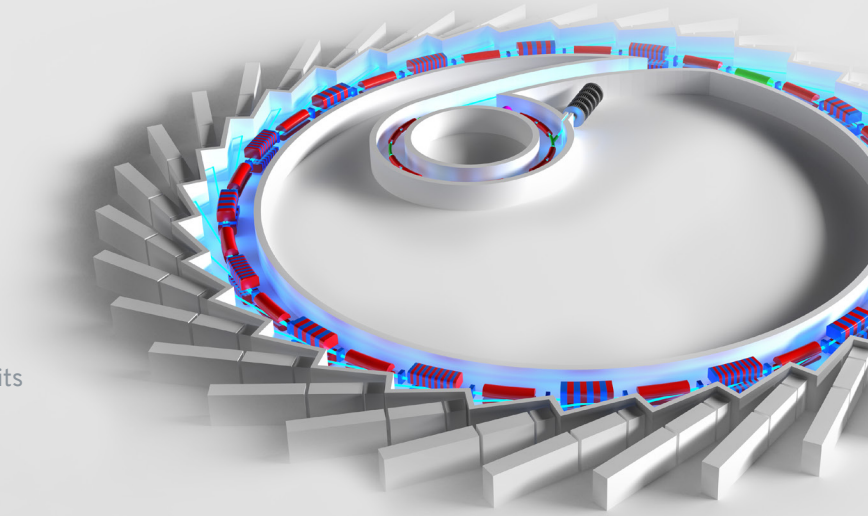
THINK HADROM

discovering Hadrontherapy within Multidisciplinarity

ACC MED
ACCADEMIA NAZIONALE DI MEDICINA

In partnership with
CNAO
Centro Nazionale di Adroterapia Oncologica

Scientific Director
Ester Orlandi



WEBINARS

- 01 November 21th, 2022 | h 15,00 - 18,05 | 4,5 CME credits
- 02 December 12th, 2022 | h 15,00 - 17,30 | 3 CME credit
- 03 February 15th, 2023 | h 15,00 - 17,45 | 3 CME credits

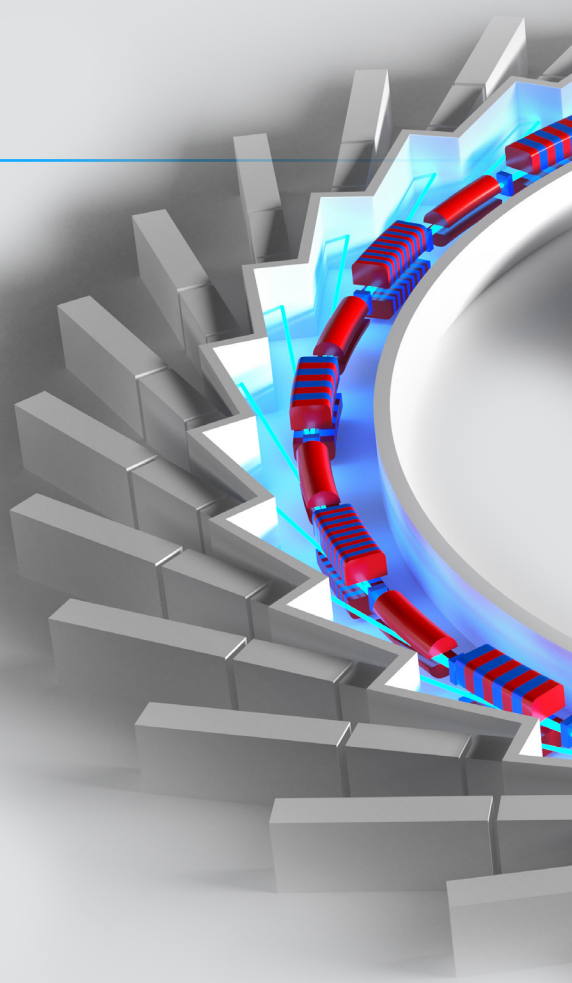
With the endorsement of: Aiom Associazione Italiana di Oncologia Medica; RAOI Associazione Italiana Radioterapia e Oncologia clinica

01 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.



01 HIGH TECHNOLOGY, ECONOMIC and ETHICAL SUSTAINABILITY

Monday, November 21st 2022

Preliminary Program

15.00 Meeting introduction
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 Quaglini

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

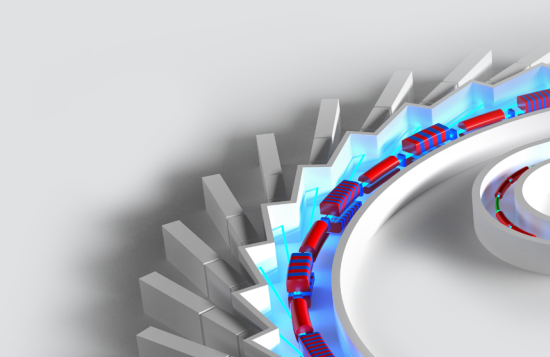
17.10 The role of particle therapy networking: EPTN
Cai Grau

17.30 Development of a cost-effectiveness model in a randomized trial for hadrontherapy
Steven J. Frank

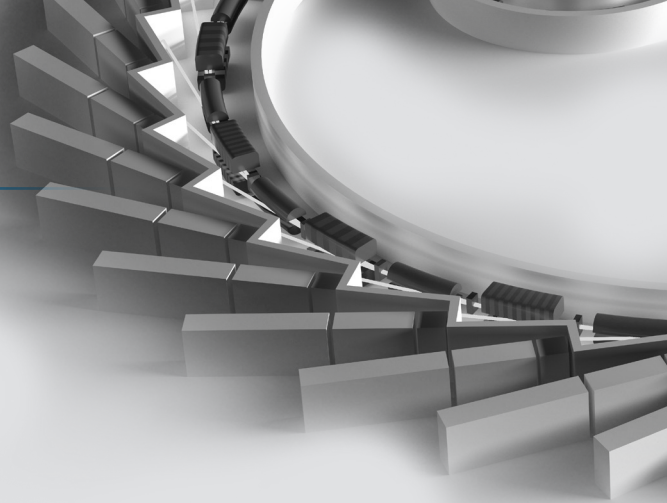
17.50 Discussion

18.00 Take home messages
Ester Orlandi

18.05 Adjourn



01 HIGH TECHNOLOGY, ECONOMIC and ETHICAL SUSTAINABILITY



Monday, November 21st 2022

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
PTCOG President
Germany

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

Cai Grau
Danish Centre for Particle Therapy
Aarhus University Hospital
Denmark

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

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
Italy

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

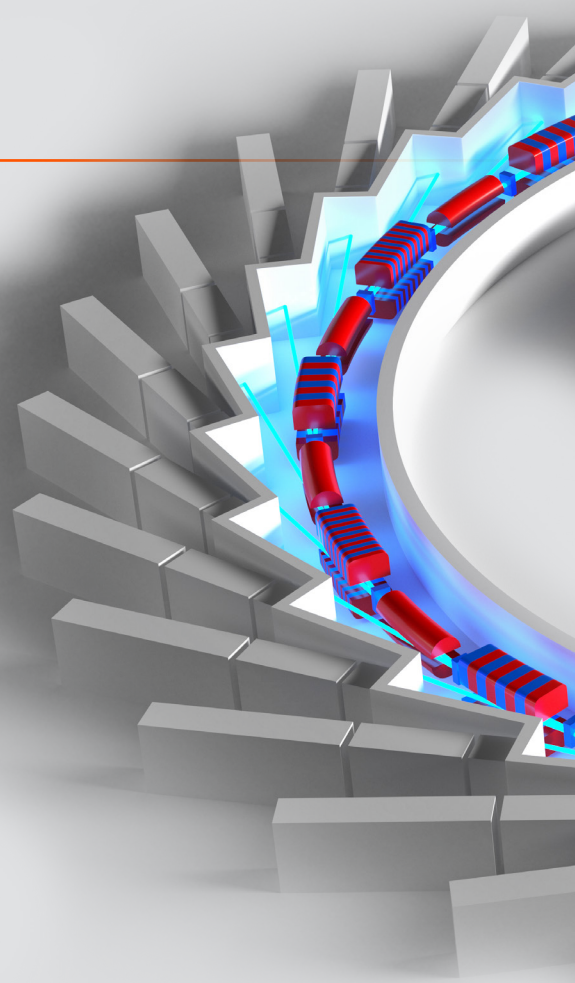
Virginia Sanchini
Department of Oncology and Hemato-Oncology
Università of Milan
Italy

02 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.



02 HEAD & NECK TUMORS

Monday, December 12th 2022

Preliminary Program

15.00 Meeting introduction
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

16.10 Hadrontherapy for paranasal sinuses cancers
Juliette Thariat

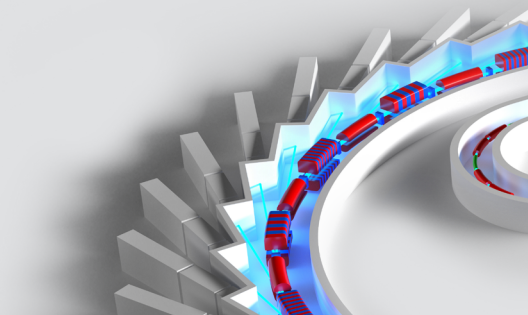
16.30 Challenges in combining endoscopic surgery and particle therapy for paranasal sinuses cancers
Marco Ferrari

16.50 Combining hadrons and chemotherapy or immunotherapy for rare H&N cancers: state of the art and future challenges
Laura Locati

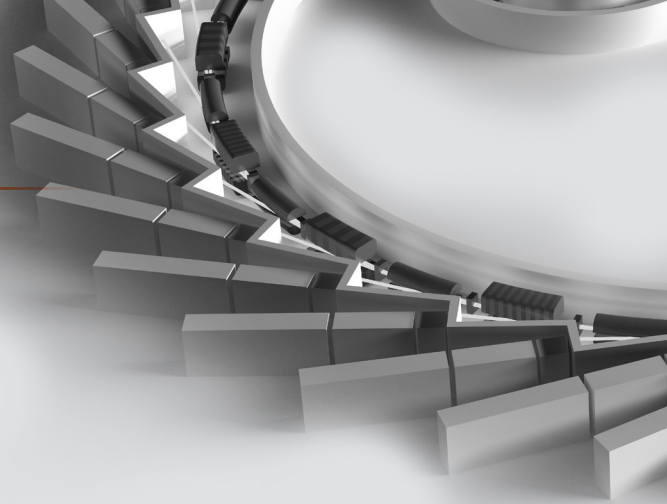
17.10 Discussion

17.25 Take home messages
Ester Orlandi

17.30 Adjourn



02 HEAD & NECK TUMORS



Monday, December 12th 2022

Director

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

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
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

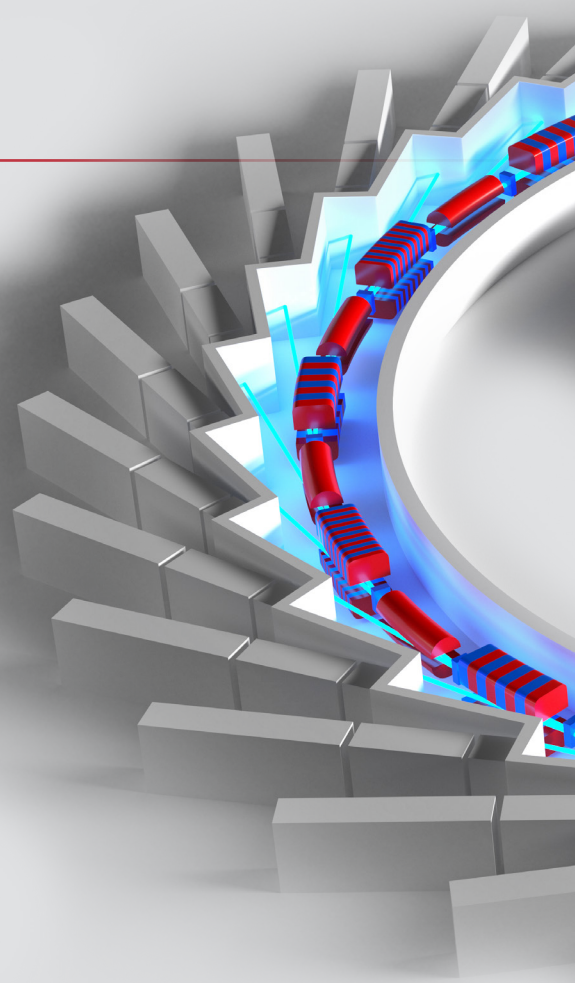
Juliette Thariat
Department of Radiation Oncology
Françoise Baclesse Center ARCHADE
Normandy University
Caen
France

03 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.



03 CHORDOMAS and CHONDROSARCOMAS

Wednesday, 15th February 2023

Preliminary Program

15.00 Meeting introduction
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

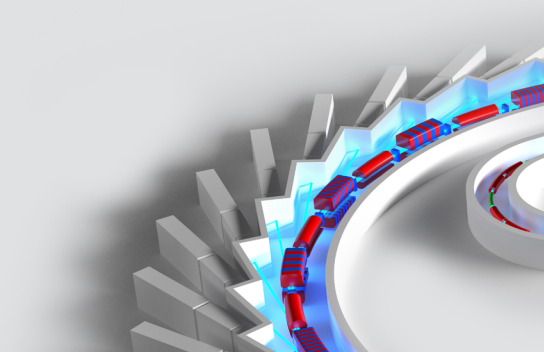
16.50 When a systemic treatment is a valuable alternative to a locoregional approach
Silvia Stacchiotti

17.10 Alternative local therapy when there is no indication for surgery and radiotherapy
Carlo Morosi

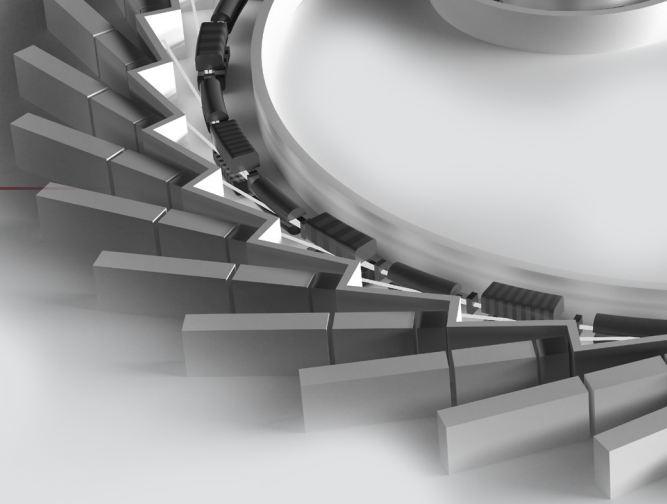
17.30 Discussion

17.40 Take home messages
Ester Orlandi

17.45 Adjourn



03 CHORDOMAS and CHONDROSARCOMAS



Wednesday, 15th February 2023

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

THINK HADROM

discovering Hadrontherapy within Multidisciplinarity

Target Audience

Medical oncologists, radiation oncologists, radiologists, general surgeons, maxillo-facialsurgeons, neurosurgeon, otolaryngologists, nuclear medicine physicians, neuroradiologists, neurologists, orthopedics, pain therapists, pediatricians, physiotherapists, nutritionists.

CME

Based on the in force regulations approved by the CNFC, Accademia Nazionale di Medicina (provider n. 31) will assign to:

01 Webinar 21st November CME (31-365277): 4,5 CME credits

02 Webinar 12th December CME (31-365278): 3 CME credits

03 Webinar 15th February 2023: 3 CME credits

Training objective: professional and technical content (knowledge and skills) specific to each profession, specialization and highly specialized activity. Rare disease.

The credit certification for the webinar is subject to: - Professions/specializations should correspond to those which have been accredited for CME; - attendance at the 100% of the webinar live on the platform fad.accmed.org - the completion of the Meeting evaluation online form; - completion of the final test (at least 75% of correct answers). 5 attempt admitted. The test and the meeting evaluation form must be completed within 3 days from the end of the event.

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 conncetion and a device (PC, smartphone, tablet) capable of running a recent Internet browser (e.g. any updated version of Chrome or Firefox)

Organizer

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Information

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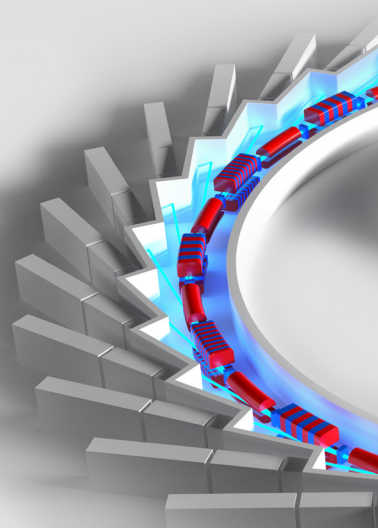
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