

Particle Beam Therapy in Europe

The Present and the Future

27th May 2021

Course Directors:

Prof. Roberto Orecchia - Prof. Barbara A. Jereczek-Fossa

Scientific Director:

Dr. Daniela Alterio



Introduction

Particle Therapy represents the newest frontier of radiation oncology. Scientific evidence on its capability to improve the cost/benefit ratio of radiation treatments by the use of both protons and carbon ion particles is becoming more and more robust for a great variety of malignant cancers. Therefore, particle beam facilities are rapidly increasing all over the world. Aim of the present webinar is to provide an updated overview on the methodology to define indication for the particle beam treatments currently adopted in the leading European facilities. Information provided by the current meeting will finally improve knowledge regarding appropriate patients selection and explore future directions of the use of particle beam therapy in clinical practice.

Programme

15.00 Welcome and Introduction - R. Orecchia, B.A Jereczek-Fossa

Session 1

Chairs: R. Corvò, S. Molinelli

15.10 Proton therapy in Dresden, Germany: clinical practice and future perspectives - E.G.C. Troost

15.25 Proton therapy in Groningen, Netherlands: clinical practice and future perspectives - J.A. Langendijk

15.40 Discussion

15.55 Proton therapy in Uppsala, Sweden: clinical practice and future perspectives - H. Rylander

16.10 Carbon Ion in CNAO, Pavia, Italy: clinical practice and future perspectives - E. Orlandi

16.25 Discussion

Session 2

Chairs: V. Valentini, F. Cattani

16.40 Radiobiology of proton therapy: where we are now? - M. Durante

16.55 Mixed beam approach: IEO experience- D. Alterio

17.10 Discussion

17.25 Final results of the AIRC IG-14300 project: "Carbon ions boost followed by pelvic photon intensity modulated radiotherapy for high-risk prostate cancer" - G. Marvaso

17.40 Proton Center at European Institute of Oncology - B.A. Jereczek-Fossa

17.55-18.00 Conclusions

Course Directors

Roberto Orecchia

Scientific Direction, IEO, Milan, Italy

Barbara Alicja Jereczek-Fossa

Division of Radiotherapy, IEO Milan, Italy

Department of Oncology and Haemato-Oncology, University of Milan, Milan, Italy

Scientific Director

Daniela Alterio

Division of Radiotherapy, IEO Milan, Italy

Faculty

Federica Cattani

Unit of Medical Physics, IEO Milan, Italy

Renzo Corvò

Department of Radiation Oncology, IRCCS Policlinico San Martino and University, Genoa, Italy

Marco Durante

Biophysics Department, GSI Helmholtzzentrum für Schwerionenforschung, Germany

Johannes A. Langendijk

Department of Radiation Oncology, University Medical Center Groningen, University of Groningen, Groningen, The Netherlands.

Giulia Marvaso

Division of Radiotherapy, IEO Milan, Italy

Department of Oncology and Hemato-Oncology, University of Milan, Milan, Italy

Silvia Molinelli

Department of Medical Physics, CNAO Pavia, Italy

Ester Orlandi

National Centre for Oncological Hadrontherapy (CNAO), Pavia, Italy.

Hillevi Rylander

Department of Oncology, Sahlgrenska University Hospital, Uppsala, Sweden

Esther Gera Cornelia Troost

Department of Radiotherapy and Radiation Oncology of University Hospital Carl Gustav Carus, Dresden, Germany

OncoRay - National Center for Radiation Research in Oncology, Dresden, Germany

Vincenzo Valentini

Radiation Oncology Department, Fondazione Policlinico Universitario A. Gemelli IRCCS, Rome, Italy

Università Cattolica S.Cuore, Rome Italy

Registrations

The access to the webinar is free of charge

You can register online by connecting to <https://www.iew.it/FORMAZIONE/IEO-Education/Corsi-e-congressi/>, selecting the event of interest and clicking on “online registration”.

Certificate of attendance and cme credits

The course will apply to Agenas for providing Italian CME credits for: Radiation Oncologists, Radiologists, Medical Physicists, Psychologists, Radiology and Radiotherapy Technicians

Provider IEO ID 207

Credits: 4,5

We remind you that in order to be entitled to ECM training credits it is compulsory to: attend 90% of the training hours, fill in the event evaluation questionnaire, take and pass the learning test.

The certificate of attendance will be sent by e-mail a few days after the end of the course, while the certificate with the CME credits will be downloaded directly from the website after correctly completing the online questionnaire.

Please note that the CME certificate of attendance does not constitute a qualification for the exercise of the activities in question.



The webinar is fully funded by Associazione Italiana per la Ricerca sul Cancro (AIRC), project IG-14300 “Carbon ions boost followed by pelvic photon intensity modulated radiotherapy for high-risk prostate cancer”, registered at ClinicalTrials.gov (NCT02672449), approved by IEO R86/14-IEO 98.

With the Endorsement of



Associazione Italiana
Radioterapia e Oncologia clinica



UNIVERSITÀ
DEGLI STUDI
DI MILANO

Organising Secretariat

MZ Congressi srl

Via Carlo Farini, 81

20159 Milano

e-mail: ieoedu.eventi@ieo.it

