

[Digital Event]

**Think Hadrom discovering Hadrontherapy within
Multidisciplinarity – Focus on Gynecological Oncology**

December 19th , 2023
H 13.00-16.30

Directors: Amelia Barcellini, Ester Orlandi

[Preliminary program]

Tuesday, December 19th 2023

- 13.00 Participant registration
- 13.30 **Introduction and aim**
Amelia Barcellini, Ester Orlandi
- 13.45 **How national/international networks can change the management and outcome of rare gynaecological cancer?**
Alice Bergamini
- 14.00 **Current evidence of carbon Ion radiotherapy and future developments for gynaecological cancer**
Tatsuya Ohno
- 14.20 **Radiobiological effects of carbon ions in rare gynaecological cell lines: CNAO Experience**
Alexandra Charalampopoulou
- 14.40 **Locally advanced cervical cancers: when brachytherapy is not an option**
Brigida Pappalardi
- 15.00 **Proton beam RT in cervical and vaginal cancer: rationale and challenge**
Remi Nout
- 15.20 **Combining SBRT with new drugs in gynaecological cancers: rationale and challenges**
Gabriella Macchia
- 15.40 **Low-dose irradiation for reversing immunotherapy resistance: What role for hadrontherapy?**
Fernanda G. Herrera
- 16.00 **Hadrons for ovarian cancer. A Step Toward a Drug Holiday?**
Chiara Cassani
- 16.20 **Take home messages**
Amelia Barcellini, Ester Orlandi
- 16.30 Adjourn

[Addressed to]

Medical Oncologists, General surgeons, Gynecologist, Radiation oncologists; Biologists, Physicists.

[Objectives]

The webinar is focused on the therapeutic management of gynaecological cancer, with particular regard to the current pieces of clinical and preclinical evidence of the use of particle therapy. Protons and carbon ions have gained significant interest due to their advantageous physical and radiobiologic properties compared to photon-based therapy. Hadrontherapy has emerged as a promising strategy for the treatment of a variety of malignancies including gynaecological cancers, especially for rare, radioresistant histologies and in cases of critical location. Topics of the webinar will also be the importance of continuous networking and a multidisciplinary approach due to the complexity and rarity of the disease, the possible locoregional approach when surgery or photon beam radiotherapy cannot be considered an appropriate clinical choice and the potential combination with new drugs. Future perspectives will explore the possible combination of systemic therapies and hadrontherapy, the selection of patients considering also the molecular background and the definition of new strategies within national and international collaboration.

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[CME]

Based on the in force regulations approved by the CNFC, Accademia Nazionale di Medicina (provider n. 31) will take care of the CME accreditation.

[Organizer]

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