



IEO education
Istituto Europeo di Oncologia

Milan, September 13th 2024

“In-bore” MRI - guided biopsy: practical experience

SCIENTIFIC DIRECTOR
Giuseppe Petralia

Course Venue: Room B, Building 1
IRCCS European Institute of Oncology (IEO)
Via Ripamonti, 435 - 20141 Milano



Introduction

The scientific event aims to optimize the diagnostic pathway of prostate cancer through the reasoned use of multiparametric MRI (MRI-mp) and “in-bore” MRI-guided biopsy. The main professionals involved in the diagnosis and treatment of prostate cancer (Radiologist, Urologist, Radiation Oncologist, Uropathologist, Radiographer) will be the lecturers of the course. All participants will be provided with workstations for Clinical Case review, and will observe an MRI-guided biopsy of live case first-hands.

Course Structure

Particular attention will be given in the clinical cases, to patients with an indication to perform “in-bore” MRI-guided prostate biopsy:

- PI-RADS 3-5 lesions with negative standard and/or fusion ultrasound guided biopsy;
- Reclassification biopsy in patients on active surveillance with suspected clinical-laboratory and/or radiological progression;
- Patients with suspected MRI lesions 8mm in size or with lesions in “difficult” sites (cranial, anterior).

The clinical cases to be presented as “live cases” will involve patients with lesions classified with PI-RADS category 3-5 in accordance with PI-RADS v2.1.

After a review of the patients’ MRI-mp and clinical history in the morning session, course participants will be divided into two groups to observe the MRI-guided biopsies of the same patients presented in the “live cases” session.

Other cases will be presented and reviewed under the guidance of the tutors. The patient’s entire diagnostic process will be reviewed, covering the procession from the initial request, through clinical findings, radiological examinations, MRI-mp, biopsy and final outcome.

Faculty

Scientific Director

Giuseppe Petralia
Radiology Division,
IRCCS IEO Milan, University of Milan

Invited Speakers

Sarah Alessi
Radiology Division,
IRCCS IEO Milan

Barbara Alicja Jereczek-Fossa
Division of Radiation Therapy,
IRCCS IEO Milan, University of Milan

María Ivanova
Pathologist, MD, PhD
IRCCS IEO Milan

Gennaro Musi
Division of Urological Surgery,
IRCCS IEO Milan, University of Milan

Hoang Quyen Nguyen
Radiology Division,
IRCCS IEO Milan

Caterina Pizzi
Specialization School in Radiology,
University of Milan

Giuseppe Renne
Division of Uropathology and Intraoperative
Diagnostics,
IRCCS IEO Milan

Caterina Sattin
Specialization School in Radiology,
University of Milan

Paul Eugene Summers
Radiology Division,
IRCCS IEO Milan

Kai Vilanova
Radiology Division,
Clínica Girona
University Hospital Dr. J. Trueta,
Girona, Spain

Programme

- 8.30 Registration
- 9.00 Opening of the course - *G. Petralia*
9.10 When to take biopsy? Indications for “in-bore” target biopsy - *G. Petralia*
- 9.30 The Girona experience - *K. Vilanova*
- 9.50 Uropathologist’s point of view - *G. Renne*
- 10.10 Urologist’s point of view - *G. Musi*
- 10.30 Radiation Oncologist’s point of view - *B.A. Jerezczek-Fossa*
- 10.50 Clinical case presentations - *S. Alessi, H.Q. Nguyen*
- 11.00 **Coffee Break**
- 11.15 Gruppo A: Live Case - “In-bore” MRI-guided biopsy - *G. Petralia*
11.15 Gruppo B: Clinical cases on workstation - *S. Alessi, H.Q. Nguyen, C. Pizzi*
- 11.45 Gruppo A: FCM intraoperative assessment of prostate biopsy cores - *G. Renne, M. Ivanova*
11.45 Gruppo B: Live Case - “In-bore” MRI-guided biopsy - *G. Petralia*
- 12.00 Gruppo A: Clinical cases on workstation - *S. Alessi, H.Q. Nguyen, C. Sattin*
12.00 Gruppo B: FCM intraoperative assessment of prostate biopsy cores - *G. Renne, M. Ivanova*
- 12.45 **Lunch**
- 14.00 “In-bore” MRI-guided biopsy, technical aspects - *P.E. Summers*
- 14.20 Discussion of histologic outcome and closure of the course - *G. Petralia, G. Renne, M. Ivanova*
- 15.00 Closing remarks
- 15.30 End of the course

Registration Fees

Regular Fee: Euro 300 VAT Included
SIRM Members: Euro 150 VAT Included
ESMRMB Members: Euro 150 VAT Included
SIRM Members MRI Section: Euro 120 VAT Included

Maximum Number: 10 participants

To register, click on the following link:
<https://ems.mzevents.it/start/2237/eng>

ECM accreditation

Credits (for italians only): 5,5
Specialization: **Radiology**
Provider: MZ Events Srl ID 966 - 42815

Obiettivo Agenas:

18 - Contenuti tecnico-professionali (conoscenze e competenze) specifici di ciascuna professione, di ciascuna specializzazione e di ciascuna attività ultraspecialistica, ivi incluse le malattie rare e la medicina di genere.

We remind you that to be eligible for ECM training credits, it is mandatory to: attend 90% of the training hours, complete the event evaluation questionnaire, take and pass the learning assessment test; the ECM credit certificate will be downloadable directly from the website after successfully completing the online questionnaire.

The ECM certificate will be sent after the successful compilation of the learning test.

Certificate of attendance

The certificate will be sent via e-mail by the Organizing Secretariat within a few days after the course.

Please note that the ECM participation certificate does not constitute an authorization to practice the activities discussed.



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