



IEO education
European Institute of Oncology

Milan, March 31st 2025

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

SCIENTIFIC DIRECTOR
Giuseppe Petralia



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

Mariia Ivanova
Division of Pathology,
IRCCS IEO Milan

Giovanni Carlo Mazzola
Radiotherapy Division,
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 Uro pathology and Intraoperative
Diagnostics,
IRCCS IEO Milan

Caterina Sattin
Specialization School in Radiology,
University of Milan

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

Registration Fees

Regular Fee: Euro 100 VAT Included
SIRM Members: Euro 50 VAT Included
ESMRMB Members: Euro 50 VAT Included
SIRM Members MRI Section: Euro 40 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): 6,4
Specialization: Radiology
Provider: IEO ID 207 - 438185

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.



Course venue
Room A, Building 1
IRCCS European Institute of Oncology (IEO)
Via Ripamonti, 435 20141 Milano



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