

AHED - Advanced Health Education
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 / MEDICAL PRACTICES
TECHNICAL CHALLENGES

MRI / ON PROSTATE CANCER

21-M19



Advanced
Health
Education

by NOVA Medical School

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COURSE COORDINATOR >> João Lopes Dias, MD
António Matos, MD

COURSE PRESENTATION

This course aims to provide up-to-date insight regarding the role of MRI on staging, treatment planning, active surveillance and recurrence of prostate cancer. Before discussing pathological features, a brief discussion on important technical issues will be provided.

The normal zonal anatomy of the prostate and surrounding pelvic organs will be described in several sequences, and the key features of PIRADS v2.1 classification will be emphasized. After discussing those general issues, the faculty will provide a step-by-step guide for detecting suspicious lesions, according to their specific locations, based on theoretical sessions and hands-on classes. Unusual prostatic tumours will also be shown, as well as benign diseases that may mimic malignancy. In the set of diagnosis, the role of several types of biopsy will be discussed, emphasizing the advantages of imaging fusion methods. Moreover, ultimate information will be provided regarding the main topics on prostate cancer histology.

Regarding post-treatment recurrence, normal and pathological signs will be reviewed for radical prostatectomy, external beam radiotherapy, brachytherapy, and other less common treatment options. Overall, the faculty aims to highlight the role of a multidisciplinary approach in the management of prostate cancer patients, providing both radiological and urologic viewpoints. Theoretical sessions, seminars (with discussion between different specialities), case-based sessions, audience polling sessions, and hands-on sessions will be provided.

LEARNING OBJECTIVES >> KNOWLEDGE AND SKILLS TO DEVELOP

- 1 To recognize the role of MRI in the diagnosis, staging, treatment planning, active surveillance and recurrence of prostate cancer.
- 2 To understand the benefit of adequate technical parameters for good image quality.
- 3 To describe the normal zonal anatomy of the prostate and surrounding pelvic organs on T1WI, T2WI, DWI and DCE.
- 4 To classify prostate segments according to the PIRADS v2.1.
- 5 To accelerate the learning curve on prostate MRI, following a step-by-step evaluation and structure reporting.
- 6 To recognize the most common prostate cancer mimickers.
- 7 To understand the role of imaging-guided biopsy.
- 8 To identify normal and pathological imaging features in post-treated patients.

TARGET AUDIENCE

Main target audience are physicians, both specialists and residents (radiology, urology, oncology, radiation oncology, nuclear medicine), and technicians (radiology, radiation oncology, nuclear medicine).

ADMISSION CRITERIA

> Degree in Medicine / Medical Imaging

ATTENDANCE REQUIREMENTS

Attendance of all sessions is required in order to obtain the certificate (100% of sessions).

MAX. ATTENDEES

> 20

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AGENDA 2021 / APRIL

APR 27TH

9:00 am - 5:00 pm

@ Nova Medical School

- > Imaging background of prostate cancer
- > Clinical background of prostate cancer I
- > Clinical background of prostate cancer II
- > Current role of MRI in prostate cancer: general concepts
- > MRI protocol and technical requisites
- > Normal anatomy and functional behaviour
- > PIRADS v2.1
- > PIRADS v2.1: peripheral gland – case-based session
- > PIRADS v2.1: central gland – case-based session
- > PIRADS v2.1: audience polling session
- > Rare prostatic tumours and prostate cancer mimickers: audience polling session
- > Local staging and treatment planning: radiology perspective
- > Nodal, bone and distant staging: is there a role for whole-body MRI?
- > Nodal, bone and distant staging: bone scan and PSMA-PET
- > Active surveillance: imaging qualitative and quantitative criteria
- > Active surveillance: case-based session
- > Hands-on session: PIRADS v2.1

APR 28TH

9:00 am - 5:00 pm

@ Nova Medical School

- > Summary of Day 1
- > Prostate biopsy: from traditional assessment to imaging-guided methods
- > Imaging guided prostate biopsy: different types
- > Multidisciplinary approach of prostate cancer: impact of new diagnostic methods on treatment planning - multidisciplinary resolution of clinical cases
- > Role of MRI on post-treatment recurrence
- > Effects and follow-up of systemic treatment: imaging assessment
- > Structured report according to the clinical scenario
- > Multidisciplinary approach of prostate cancer: treatment and recurrence - multidisciplinary resolution of clinical cases
- > Hands-on session: staging and post-treatment recurrence
- > Hands-on session: imaging-guided biopsy simulator
- > Workshop: artificial intelligence and prostatic MRI
- > Ending session: taking home messages

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FACULTY

- > António P. Matos, MD
- > Cabrita Carneiro, MD
- > Edgar Antunes, RT
- > Estevão Lima, MD, PhD
- > Gonçalo Fernandez, MD
- > João Lopes Dias, MD
- > João Magalhães Pina, MD
- > José Sardinha, MD
- > Luís Campos Pinheiro, MD, PhD
- > Mário Santos Sousa, MD, PhD
- > Miguel Ramalho, MD
- > Nuno Vasco Costa, MD
- > Pedro Melo Rocha, MD
- > Pedro Quaresma, MD
- > Rita Camelo, MD
- > Rita Lucas, MD
- > Seán Finn, PhD

CREDITS >> 1.5ECTS

This event is compliant with the MedTech Europe Code of Ethical Business Practice.

> DURATION >> 14 HOURS



PRICE >> 750 €

INCLUSIONS AND EXCLUSIONS IN PRICE

The price published for each course includes teaching fees, space rental, certificate of attendance, and materials used during the course. The price of the course doesn't include hotel accommodation, lunches, and dinners on course days, nor any other items unless specifically mentioned. Prices of courses published by AHED are exempted of VAT. Other items priced by AHED apart from courses may however include VAT.

APPLICATION, ADMISSION AND REGISTRATION

When applying for a course at AHED – Advanced Health Education, the applicant subjects personal and professional data that will be verified and assessed to check that admission criteria for that specific program are met. Once an application is approved, registration in the course is admitted and will require payment of the price published for the course.

APPLICATION FEES

Application fees are as follows:

- 100 € for courses priced above 1000 €
 - 50 € for courses priced below equal to 1000 €
- Application fees are non-refundable.

COURSE REGISTRATION FEES

The registration stage is considered completed when the total price of the course is received by AHED.

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