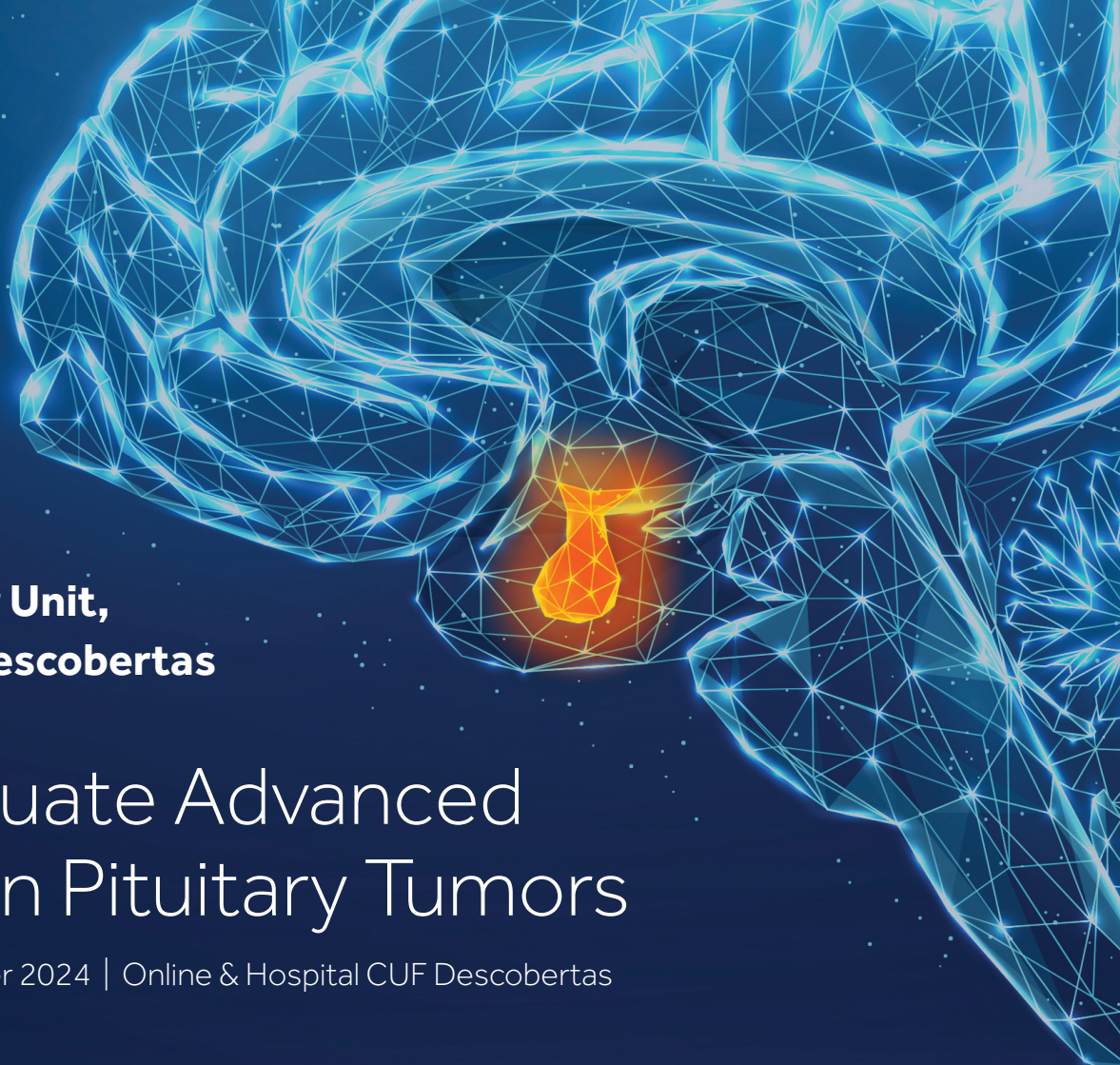**cuf**
Academic Center

**Pituitary Tumor Unit,
Hospital CUF Descobertas**

Postgraduate Advanced Course on Pituitary Tumors

September - November 2024 | Online & Hospital CUF Descobertas

Postgraduate Advanced Course on Pituitary Tumors

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Postgraduate Advanced Course on Pituitary Tumors

BRIEF COURSE PRESENTATION

Postgraduate Advanced Course on Pituitary Tumors is a multidisciplinary course aimed to provide a comprehensive overview about the diagnosis and management of pituitary tumors, organized by the Pituitary Tumor Unit of CUF Descobertas Hospital.

This 3-month course is divided in 4 modules dedicated to Acromegaly, Prolactinomas, Cushing's Disease and Nonfunctioning Pituitary Tumors, and will also have 4 theorico-practical sessions provided by key medical specialists involved in the care of pituitary tumor patients (Neurosurgery and Otorhinolaryngology, Neuroradiology, Neuro-Ophthalmology, Neuropathology) included in the 1-day hybrid session mainly dedicated to discuss clinical cases presented by the faculty and course participants.

This pioneer course in Portugal will be a great opportunity for networking and learning more about functioning and nonfunctioning pituitary tumors, particularly on the diagnostic and therapeutic challenges, and to hear about some of the key advances and ongoing controversies in pituitary tumors, from national and international experts in the field.

Participants will have the opportunity to present their own clinical cases at the final 1-day hybrid session, and there will be a prize for the best clinical case presentation.

COURSE HIGHLIGHTS

- multidisciplinary programme, with faculty encompassing doctors with experience in managing pituitary tumors, and specialized in endocrinology, neurosurgery, neuroradiology, neuropathology, neuro-ophthalmology and otorhinolaringology
- 4 modules with 7 pre-recorded sessions for on demand viewing over a 3-month period
- keynote pre-recorded sessions from 6 international experts in pituitary diseases
- selected bibliography and reference articles will be provided per session
- 1-day hybrid session where students are encouraged to present their own cases; oral presentation certificates and prize for best clinical case will be given
- short quizzes at end of each module for informal self-assessment
- final exam with multiple choice questions (optional), and passing certificate if the minimum score is achieved
- attending course certificates will be provided to all participants
- application for CME credits will be made
- scientific recognition and endorsements by the European Society of Endocrinology (ESE), Sociedade Portuguesa de Endocrinologia, Diabetes e Metabolismo (SPEDM), and Sociedade Portuguesa de Neurocirurgia (SPNC)

Postgraduate Advanced Course on Pituitary Tumors

PROGRAMME

2 - 22 SEPTEMBER (online)
Module 1: **ACROMEGALY**

1.1 Acromegaly: pathophysiology, etiology and clinical presentation

1.2 Laboratory tests in acromegaly: challenges and pitfalls

1.3 Medical therapy in acromegaly: before, after or instead of surgery?

1.4 Acromegaly-related comorbidities: how to manage these and to improve quality of life?

1.5 Pathological reports in somatotropinomas and other pituitary tumors - standard practice and usefulness of transcription factors

1.6 Genetics of pituitary tumors: when to suspect and how to test for a familial pituitary tumor?

1.7 Pseudoacromegaly syndromes: differential diagnosis of acromegaly

23 SEPTEMBER - 13 OCTOBER (online)
Module 2: **PROLACTINOMAS**

2.1 Hyperprolactinemia: etiology, clinical presentation and laboratory diagnosis challenges

2.2 Hyperprolactinemia and other pituitary dysfunctions related to drugs

2.3 Medical therapy in prolactinomas

2.4 Neurosurgery in prolactinomas: when, how and for what?

2.5 Hypogonadism, fertility and reproduction in patients with prolactinomas (and other pituitary tumors)

2.6 Management challenges in giant or dopamine agonist-resistant prolactinomas, and in aggressive or metastatic pituitary tumors

2.7 Prolactinomas and other pituitary tumors in pregnancy

14 OCTOBER - 3 NOVEMBER (online)
Module 3: **CUSHING'S DISEASE**

3.1 Cushing's syndrome: pathophysiology, etiology and clinical presentation

3.2 Challenges and pitfalls in the diagnosis of Cushing's disease

3.3 Anticoagulation in Cushing's disease: when and how?

3.4 Treatment and follow-up of Cushing's disease

3.5 Pituitary neurosurgery in Cushing's disease

3.6 HPA axis and glucocorticoid withdrawal syndrome following treatment of Cushing's disease

3.7 Psychoneurological sequelae and quality of life in patients with Cushing's disease before and after treatment

4 - 24 NOVEMBER (online)
Module 4: **NONFUNCTIONING PITUITARY TUMORS**

4.1 Nonfunctioning pituitary tumors: epidemiology, clinical presentation and diagnosis

4.2 Surgery in nonfunctioning pituitary tumors and other nonpituitary sellar lesions

4.3 Post-operative care of pituitary tumor patients: sodium homeostasis, hormone assessment and follow-up strategy

4.4 Hormone replacement in post-operative hypopituitarism

4.5 Management of nonfunctioning pituitary tumors: usefulness and controversies of radiotherapy and medical therapy

4.6 Pituitary apoplexy

4.7 Nonpituitary sellar masses and pituitary stalk lesions

22 NOVEMBER (Hospital CUF Descobertas auditorium & online)
HYBRID SESSION

Discussion of clinical cases

Practical sessions:
Neurosurgery & Otorhinolaryngology
Neuro-Ophthalmology
Neuroradiology
Neuropathology

Postgraduate Advanced Course on Pituitary Tumors

GENERAL LEARNING OBJECTIVES

To learn the core knowledge regarding the presentation, diagnosis and management of pituitary tumors.

To learn the importance of the multidisciplinary approach in the management of pituitary tumors for an optimized care to improve outcomes of patients.

To acquire knowledge in practical and day-to-day aspects relevant in the management of patients with pituitary tumors.

ASSESSMENT METHODS

There will be a quiz at the end of each module where the course participants can test their knowledge.

There will be an optional final exam for those participants wishing to test their knowledge, and to obtain CME credits and the certificate of passing the exam if they achieve the minimum passing score.

Of note, there will also be a pre-course exam to assess the knowledge of participants before the course, and to informally evaluate their learning throughout the course.

ATTENDANCE REQUIREMENTS

The course participants should see at least 85% of the pre-recorded sessions on each module (i.e. 6 out of the 7 pre-recorded sessions per module) in order to obtain the participation certificate. It is highly recommended that for participants to attend the 1-day hybrid session (physically or online), or visualize this session on-demand which will be uploaded on the e-learning platform.

TARGET AUDIENCE

Medical doctors with interest in Pituitary and Neuroendocrinology – residents and medical specialists from the areas of Endocrinology, Neurosurgery, Neuroradiology, Pathology, Internal Medicine, Paediatric Endocrinology, etc.

ADMISSION CRITERIA

Entry requirements:

• MD degree

• proficiency in English language

Postgraduate Advanced Course on Pituitary Tumors

DURATION

Approximately 18 hours
- **~10h:** 7 pre-recorded sessions (~20min each) across the 4 modules
- **~8h:** 1 hybrid day

COURSE REGISTRATION FEES

The registration is considered completed when the full registration amount is received by the CUF Academic Center.

FOR MORE INFORMATION

In case of doubts or need for additional information, please e-mail us at: **cufacademiccenter@cuf.pt**

SCIENTIFIC ENDORSEMENTS

European Society of Endocrinology

ENEA European NeuroEndocrine Association

ORDEM DOS MÉDICOS

SPEDM SOCIEDADE PORTUGUESA DE ENDOCRINOLOGIA DIABETES E METABOLISMO

Sociedade Portuguesa NEUROCIRURGIA

SPONSORS

HRA Pharma A Perrigo Company

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