

AHED - Advanced Health Education  
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/ MULTIPROFESSIONAL CARE  
INTEGRATION CHALLENGES

# NEURODEGENERATIVE / ADVANCED DISEASES COURSE

20-I06



Advanced  
Health  
Education

by NOVA Medical School

# NEURODEGENERATIVE / ADVANCED DISEASES COURSE

20-106

**COURSE COORDINATOR** >> António Freire, MD, PhD

## COURSE PRESENTATION

The Advanced Course on Neurodegenerative Diseases (NDD) will focus on the latest advances in clinical and molecular research in the field of chronic neurodegenerative disorders influenced by ageing. These disorders have very complex pathophysiological mechanisms and represent a great challenge to clinicians and researchers. During the last few decades, investigation in this area has demonstrated that the most common NDD - Alzheimer's disease (AD) and Parkinson's disease (PD) - although being different disorders, share some common pathophysiological mechanisms as well as some clinical aspects in the advanced forms. This represents a new challenge, implicating that they should be studied in an integrated manner.

The course is intended to promote the understanding of clinical and diagnostic aspects of these devastating diseases and their correlation with molecular, biochemical and cellular mechanisms operating in their pathogenesis. Furthermore, the course will cover the available therapies and those under development, as well as the importance of rehabilitation, psychological and social support. Clinical, brain imaging, selective biochemical and neuropathological aspects of these disorders will be discussed by experienced neurologists, psychiatrists, neuroradiologists, neuroscientists and neuropsychologists.

## LEARNING OBJECTIVES >> KNOWLEDGE AND SKILLS TO DEVELOP

- 1 To deepen the study of the relationship between Nervous System, movement and cognitive function.
- 2 To expand knowledge concerning cognitive function in the context of ageing and neurological disorders.
- 3 To acquire knowledge about the main models of normal cognitive functioning and identify modifications that can occur in that system.
- 4 To recognise the main contributes of the most recent methods of imaging or others to the comprehension of cognitive functions.
- 5 To acquire competences in bibliography search and analysis related to neurodegenerative processes.

## TARGET AUDIENCE

Specialists of Neurology, Neurosurgery, Neuroradiology, Psychiatry and Physiatry. Other Doctors, Neuroscientists and health professionals can also be considered for admission after evaluation of the specific case.

## ADMISSION CRITERIA

- >> Academic background in the mentioned specialties ( PhD, Master degrees, Bachelors or Residents)
- >> Other Doctors, Neuroscientists and health professionals can also be considered for admission after evaluation of their specific motivation.

## ATTENDANCE REQUIREMENTS

- >> 80% attendance is mandatory for issuing attendance certificate and CME credits and/or ECTS

## MAX. ATTENDEES

- >> 30

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AGENDA

**2020 / NOVEMBER**

**NOV 6<sup>TH</sup>**

4:00 pm - 8:00 pm

@ Nova Medical School (Campo de Santana)

>> I - Session - The Brain: anatomy and function  
Brain and Movement

Seminar: Brain and Language

Seminar: Brain and Cognition

Meeting expert

**NOV 13<sup>TH</sup>**

4:00 pm - 8:00 pm

@ Nova Medical School (Campo de Santana)

>> III - Session - Parkinson's disease  
and other movement disorders (I)  
Seminar: Parkinson's disease: clinical  
presentation and current therapeutics

Seminar: Pathogenesis of Parkinson's  
disease

Seminar: Surgical aspects of Parkinson's  
disease and other movement disorders

Parkinsonian syndromes: clinical and  
diagnostic aspects

**NOV 7<sup>TH</sup>**

9:00 am - 1:00 pm

@ Nova Medical School (Campo de Santana)

>> II - Session - Ageing  
and neurodegeneration: molecular  
and cellular mechanisms  
Seminar: Basic mechanisms of ageing  
and neurodegeneration

Stress and neurodegeneration

Seminar: Basal ganglia pathophysiology:  
From movement to behavior and emotions

Meeting expert

**NOV 14<sup>TH</sup>**

9:00 am - 1:00 pm

@ Nova Medical School (Campo de Santana)

>> IV - Session - Parkinson's disease  
and other movement disorders (II)  
Seminar: Clinical aspects of polygluta-  
mine-expansion diseases: Huntington's  
disease and MJD

Seminar: Cellular mechanisms  
and neuroprotection  
in Huntington's disease

Seminar: Machado-Joseph disease:  
molecular mechanisms  
and new therapeutics

Seminar: MRI in movement disorders

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**2020 / NOVEMBER**

**NOV 20<sup>TH</sup>**

4:00 pm - 8:00 pm

@ Nova Medical School (Campo de Santana)

>> V - Session - Alzheimer Disease (AD)  
and other dementias (I)

Seminar: Recent advances in the knowledge  
of Alzheimer's disease

Seminar: Neuropsychological assessment  
of Alzheimer's disease

Seminar: Alzheimer's disease: cellular  
and molecular mechanisms

Patient Associations: Alzheimer Portugal

**NOV 21<sup>ST</sup>**

9:00 am - 1:00 pm

@ Nova Medical School (Campo de Santana)

>> VI - Session - Alzheimer Disease (AD)  
and other dementias (II)

Seminar: Pre-clinical Alzheimer's disease  
staging and biomarkers

Seminar: Differential diagnosis of AD: other  
dementias

Clinical presentation and video session

Seminar: MRI in the study of AD and other  
forms of dementia

**NOV 27<sup>TH</sup>**

4:00 pm - 8:00 pm

@ Nova Medical School (Campo de Santana)

>> VII - Session - Other Neurodegenerative  
disorders

Seminar: Multiple Sclerosis - pathogenesis  
and clinical presentation

Seminar: Multiple Sclerosis - therapeutic  
aspects

Clinical presentation and video session

Seminar: Motor Neuron Disease

**NOV 28<sup>TH</sup>**

9:00 am - 1:00 pm

@ Nova Medical School (Campo de Santana)

>> VIII Session - Complementary  
diagnosis exams

Neuropsychological assessment (I)

Neuropsychological assessment (II)

Oculovestibular examination

Video session on movement disorders

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**2020 / DECEMBER**

## DEC 4<sup>TH</sup>

4:00 pm - 8:00 pm

@ Nova Medical School (Campo de Santana)

### >> IX Session - Complementary diagnosis exams

Seminar: Polysomnography in neurodegenerative diseases

Seminar: Molecular imaging in neurodegenerative diseases (I)

Seminar: Molecular imaging in neurodegenerative diseases (II)

Meeting expert - imaging interpretation:

## DEC 5<sup>TH</sup>

9:00 am - 1:00 pm

@ Nova Medical School (Campo de Santana)

### >> X Session - Neuro-rehabilitation in neurodegenerative diseases

Seminar: Neuro-rehabilitation of movement disorders

Rehabilitation of dysphagia and dysphonia

Cognitive therapy

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# NEURODEGENERATIVE / ADVANCED DISEASES COURSE

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## FACULTY

- |                                  |                                    |
|----------------------------------|------------------------------------|
| >> Paulo Bugalho, MD, PhD        | >> Alexandre de Mendonça, MD, PhD  |
| >> Isabel Pavão, MD, PhD         | >> Luísa Baqueiro Lopes, PhD       |
| >> Catarina de Oliveira, MD, PhD | >> Manuela Guerreiro, PhD          |
| >> Nuno Sousa, MD, PhD           | >> Maria do Rosário Zincke, lawyer |
| >> José Obeso, MD, PhD           | >> Isabel Santana, MD, PhD         |
| >> Joaquim Ferreira, MD, PhD     | >> Rui Manaças, MD                 |
| >> Tiago Outeiro, PhD            | >> Sónia Batista, MD, PhD          |
| >> Gonçalves Ferreira, MD, PhD   | >> João Sá, MD, PhD                |
| >> Cristina Januário, MD, PhD    | >> Mamede Carvalho, MD, PhD        |
| >> Ana Cristina Rego, PhD        | >> Carla Bentes, MD, PhD           |
| >> Luís Pereira de Almeida, PhD  | >> Miguel Castelo Branco, MD, PhD  |
| >> João Lemos, MD, PhD           | >> Jorge Jacinto, MD               |
|                                  | >> Vanda Freitas, Psychologist     |

**CREDITS >> 4.5 ECTS**

**DURATION >> 40 HOURS**

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



**PRICE >> 1.190€**

## 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.

## PAYMENT OPTIONS

Payment options for application and registration include credit card (Visa, MasterCard), wire transfer in Euro, and Multibanco.

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## EARLY BIRD

Application fees will be discounted from the course price for registrations completed 90 calendar days before the date of the course.

For additional information, please go to in Terms and Conditions at [ahed.pt](http://ahed.pt)

**APPLICATION DEADLINE >> OCTOBER 6<sup>TH</sup> 2020**

## INSTITUTIONAL PARTNERSHIPS



## SCIENTIFIC PARTNERSHIPS



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