

AHED - Advanced Health Education
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/ MULTIPROFESSIONAL CARE
INTEGRATION CHALLENGES

NEURODEGENERATIVE / ADVANCED DISEASES COURSE

20-I06



Advanced
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Education

by NOVA Medical School

NEURODEGENERATIVE DISEASES / ADVANCED 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 6TH

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 13TH

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 7TH

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 14TH

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 20TH

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 21ST

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 27TH

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 28TH

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 4TH

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 5TH

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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FACULTY

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

APPLICATION DEADLINE >> OCTOBER 6TH 2020

INSTITUTIONAL PARTNERSHIPS



SCIENTIFIC PARTNERSHIPS



INDUSTRY PARTNERSHIPS



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