

AHED - Advanced Health Education
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 / MULTIPROFESSIONAL CARE
INTEGRATION CHALLENGES

NEURODEGENERATIVE / ADVANCED DISEASES / COURSE

21-I06 ONLINE SERIES



Advanced
Health
Education

by NOVA Medical School

NEURODEGENERATIVE DISEASES / ADVANCED COURSE

21-106 ONLINE SERIES

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.

The course is online with live sessions every week.

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

EVALUATION

- > Weekly clinical cases and multiple choice test
- > Final multiple choice exam

MAX. ATTENDEES

- > 30

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AGENDA

2021 / FEBRUARY

FEB 26TH

SESSION 1 - LIVE - 4:00 pm - 8:00 pm (WET)

- > I - Session - Ageing and neurodegeneration: molecular and cellular mechanisms
- > Seminar: Basal ganglia pathophysiology:

From movement to behavior and emotions
- > Seminar: Stress and neurodegeneration
- > Meeting expert in Lab
- > Seminar: Basic mechanisms of ageing and neurodegeneration

MAR 5TH

SESSION 3 - LIVE 4:00 pm - 8:00 pm (WET)

- > III - Session - Brain and movement disorders (II)
Seminar: Clinical aspects of polyglutamine-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

FEB 27TH

SESSION 2 - LIVE 9:00 am - 1:00 pm (WET)

- > II - Session - Brain and movement disorders (I)

Seminar: Brain and Movement

Seminar: Pathogenesis of Parkinson's disease

Seminar: Parkinson's disease: clinical presentation and current therapeutics

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

MAR 6TH

SESSION 4 and 5 - LIVE 9:00 am - 1:00 pm (WET)

- > IV - Session - Symposium on Brain, language and cognition
- > V - Session - Alzheimer Disease (AD) and other dementias (I)

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

Seminar: Clinical and therapeutic aspects of Alzheimer's disease

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MAR 12TH

SESSION 6- LIVE 4:00 pm - 8:00 pm (WET)

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

Seminar: Alzheimer's disease: cellular and molecular mechanisms

Seminar: Differential diagnosis of AD: other dementias

Patient Associations: Alzheimer Portugal

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

MAR 19TH

SESSION 8- LIVE 4:00 pm - 8:00 pm (WET)

> VIII - Session - Complementary diagnosis exams

Seminar: Neuropsychological assessment of Dementia (Part I)

Seminar: Neuropsychological assessment of Dementia (Part II)

Seminar: Neurophysiology in neurodegenerative diseases (Part I)

Seminar: Neuropsychology in neurodegenerative diseases (Part II)

MAR 13TH

SESSION 7- LIVE 9:00 am - 1:00 pm (WET)

)> VII - Session - Other

Neurodegenerative disorders

Seminar: Motor Neuron Disease

MS: Clinical cases - video session

Seminar: Multiple Sclerosis – pathogenesis and clinical presentation

Seminar: Multiple Sclerosis – therapeutic aspects

MAR 26TH

SESSION 9- LIVE 4:00 pm - 8:00 pm (WET)

> IX Session - Complementary diagnosis exams

Seminar: Molecular imaging in neurodegenerative diseases (I)

Seminar: Molecular imaging in neurodegenerative diseases (II)

Seminar: Eye movements in neurodegenerative disorders

Ocular motor testing in parkinsonian syndromes and spinocerebellar ataxias: video session

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MAR 27TH

SESSION 10- LIVE 9:00 am - 1:00 pm (WET)

> X Session - Neuro-rehabilitation in
neurodegenerative diseases

Seminar: Neuro-rehabilitation of movement
disorders

Rehabilitation of dysphagia and dysphonia

Cognitive therapy

Closing Remarks

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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
- > Maria Pais de Carvalho, MD
- > Vanda Freitas, Psychologist

Scientific Committee

Catarina de Oliveira, MD, PhD (FMUC)
António Gonçalves Ferreira, MD, PhD (FMUL)
Cristina Rego, MD, PhD (FMUC)

Joaquim Ferreira; MD, PhD (FMUL)
Miguel Viana Batista, MD, PhD (FCM-UNL)
Rui Manaças, MD (CHLC)

CREDITS >> 4 ECTS

DURATION >> 36 HOURS

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



PRICE >> 990€

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 >> FEBRUARY 23RD 2021

INSTITUTIONAL PARTNERSHIPS

NOVA

MEDICAL
SCHOOL
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Ahed – Advanced Health Education has received certification from DGERT as an education provider for all training programs for health care professionals. Courses, procedures and practices are in accordance with training quality standards.



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