

TIME: 09:00 – 16:15

COURSE TITLE: NEUROGENETICS

CREDIT: 4 CREDITS

1-RECOMMENDED FOR: NEUROLOGY RESIDENTS AND SPECIALISTS, ACADEMICS

2-OBJECTIVE OF THE COURSE:

To acquire information about how to approach neurogenetic diseases, access to genetic diagnostics, effective use of tests and gene therapies for neurological diseases.

3-WHAT WILL BE THE LEARNING OUTCOMES THAT THE PARTICIPANTS WILL ACQUIRE AT THE END OF THE COURSE?

- a. Basic knowledge about how to draw family tree and inheritance models, and case examples about neurological diseases
- b. Approach to neurogenetic diseases and genetic counselling
- c. Knowledge about the tests used for genetic diagnosis
- d. Curable neurogenetic diseases and current gene therapies.

4-PARTICIPANTS ARE EXPECTED TO: LISTEN, GET ACTIVELY INVOLVED IN DISCUSSIONS

5-COURSE PROGRAM

Session Title: Clinical Neurogenetics, Medical Genetic Tests and Gene Therapy Approaches

Moderators:

Yeşim Parman (İstanbul University İstanbul Faculty of Medicine, Neurology Dpt.)

Uğur Özbek (Acıbadem University Faculty of Medicine, Internal Medicine Sciences, Medical Genetics Dpt.)

Speakers and Topics:

- Neurogenetic Approach
Sibel Uğur İşeri
(İstanbul University Aziz Sançar Experiential Medicine Research Institute, Genetics Dpt.)
- Family Tree and Inheritance Models
Seher Başaran
(İstanbul University İstanbul Faculty of Medicine, Medical Genetics Dpt.)

BREAK (15 Minutes)

- Introduction to Dysmorphology
Hülya Kayserili
(Koç University School of Medicine, Medical Genetics Dpt.)
- Rational Use of Genetic Tests
Oya Uyguner
(İstanbul University İstanbul School of Medicine, Medical Genetics Dpt.)
- Genetic Algorithm with Cases
Filiz Koç
(Çukurova University Faculty of Medicine, Neurology Dpt.)
- Discussion

Moderators:

Nurses Bebek (İstanbul University İstanbul School of Medicine, Neurology Dpt.)

Nazlı Başak (Koç University School of Medicine, Molecular Biology and Genetics Dpt.)

Speakers and Topics:

- Genetic Counselling (Ethical and Legal Aspect)

Kanay Yararbaş

(Demirođlu Science University Faculty of Medicine, Neurology Dpt.)

- Curable Genetic Diseases

Hacer Durmuş

(İstanbul University İstanbul School of Medicine, Medical Genetics Dpt.)

BREAK (15 Minutes)

- Gene Therapies and CRISPR

Nagehan Ersoy

(İstanbul Medeniyet University Faculty of Engineering and Natural Sciences, Molecular Biology and Genetics Dpt.)

- Case Examples

Birgöl BařtanTüzün

(Haseki Training and Research Hospital, Neurology Clinic)

Atay Vural

(Koç University School of Medicine, Neurology Dpt.)

- Discussion