



REGENERATIVE MEDICINE IN OPHTHALMOLOGY HANDS-ON

**PRACTICAL
TRAINING COURSE**

 **25-26** JANUARY
2025

 **ISTANBUL, TAKSIM
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REGENERATIVE MEDICINE IN OPHTHALMOLOGY

HANDS-ON PRACTICAL TRAINING COURSE



Programme

REGENERATIVE MEDICINE IN OPHTHALMOLOGY HANDS-ON PRACTICAL TRAINING COURSE

Part I. PRP, SVF, Mesenchymal Stem Cells, Stem Cells in Ophthalmology

In this part we will focus to future potential therapies such as platelet rich plasma, stromal vascular fractions and mesenchymal stem cells for ophthalmological diseases, the diagnosis and management of the diseases.

At the end of the course, participants will know:

- How to diagnose retinal dystrophies and optic nerve diseases eligible for regenerative therapies.
- New therapeutic options for the treatment of degenerative retina and optic nerve diseases
- How to prepare the optimal Platelet-rich plasma, stromal vascular fractions, and stem cells (hands on activity)
- Patient selection for regenerative therapies.
- Preparation of the patient for the surgery
- Ophthalmological tests including optical coherence tomography, visual field, electrophysiological tests (VEP, ERG and mf ERG) and full field stimulus test.
- Application ways of regenerative therapies to the eye.
- Postoperative period, Follow-up examinations
- Preparation of the patient for the surgery (In the Clinic)
- Live surgery (In the operation room)



25 - 26 January 2025



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Call for detailed information



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DAY I:

REGENERATIVE MEDICINE IN OPHTHALMOLOGY HANDS-ON PRACTICAL TRAINING COURSE

9.00-09.30 - Regenerative medicine and regenerative therapies (ZBG)

09.30-10.00 - Regenerative medicine in Ophthalmology (AO)

10.00-10.30 - Platelet rich plasma, Platelet rich fibrin (ZBG)

10.30-10.45 - Coffee break

10.45-11.45 - HANDS ON PRP preparation (Live patient)

11.45-12.15 - Preparation of the patient for the surgery (Theoretical part) (AO)

•Ophthalmological tests including optical coherence tomography, visual field, electrophysiological tests (VEP, ERG and mf ERG) and full field stimulus test Case presentations of surgery (AO)

12.15-12.30 - Questions and Answers

12:30-13:30 - Lunch

13:30-14:00 - Tissue engineering (Fat graft, nanofat, microfat) (ZBG)

14:00-14:30 - Stromal vascular fraction and mesenchymal stem cells, Exosomes (ZBG)

14:30-15:00 - SVF isolation video training

15:00-15:30 - Coffee break

15:30-16:10 - How to diagnose retinal dystrophies and optic nerve diseases eligible for regenerative therapies. Patient selection for regenerative therapies. (AO)

16:10-16:50 -Case Presentations of PRP (AO)

16:50 - 17:30 - Questions - answers



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DAY 2:

LIVE SURGERY (LIVE CASES HANDS ON SURGERY)

09.00-12.00 - Preoperative assessments of the patients (In the Clinic)

12.00-13.00 - Lunch

13.00-15.30 - Live surgery (Patients) (In the operation room)

15.30-16.00 - Coffee break

16.00-17.00 - Questions - Answers

17.00-17.30 - Presentation of Certificates



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