

New Interventional Endoscopy Techniques: A 2-Day Hands-On Course

Postgraduate Course – “New Interventional Endoscopy Techniques: A 2-Day Hands-On Course”, TRIP project (TRAINING IN TRANSLATIONAL PROTOCOLS FOR MINIMAL INVASIVE DIAGNOSIS AND THERAPY IN PANCREATICO-BILIARY CANCERS – TRIP (grant agreement number: 101079210), Horizon Europe*

Date: March 13-14th, 2024

Location: Center of Innovation and eHealth (CleH) –Thomas Masaryk 19, Bucharest, University of Medicine and Pharmacy Carol Davila Bucharest, Romania

Day 1: Foundations and Hemostasis Techniques

Afternoon Session: Introduction and Advanced Hemostasis

14.00-14:30 Course Introduction: Registration + Welcome of the Participants.

Prof. Dr. Mariana Jinga, Prof. Dr. Cristian Gheorghe, Prof. Dr. Simona Dima, Prof. Dr. Adrian Săftoiu

14:30-15:00 Bleeding & Perforation after Advanced Endoscopy: Case Series of Rare Events

Prof. Dr. Adrian Săftoiu

15:00-15:30 Advanced Hemostasis: Introduction to Powders, Gels, and their Clinical Applications.

Prof. Dr. Cristian Gheorghe

15:30-16:00 GI Tract Perforations: Advanced Closure Techniques

Conf. Dr. Daniel Vasile Balaban, Dr. Flavius-Ștefan Marin

16:00-16:30 Coffee Break

16:30-19:00 **Hands-On** Hemostasis and Perforation Closure Practice: Participants practice advanced hemostasis techniques, including clips, over the scope clips, suture needles, hemostatic powders, performed through the gastroscope, on simulators or animal models.

Trainers: Conf. Dr. Daniel Vasile Balaban, Conf. Dr. Raluca Simona Costache, S. L. Dr. Cristian Țiereanu, Dr. Radu Florin Pîrvulețu

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Day 2: EUS Innovations and Advanced ERCP Techniques

Morning Session: EUS Interventional Techniques (Including Anastomoses)

09:00-09:30 Review of the Previous Day: Welcome of the Participants.

Prof. Dr. Mariana Jinga, Prof. Dr. Cristian Gheorghe, Prof. Dr. Simona Dima, Prof. Dr. Adrian Săftoiu

09:30-10:00 EUS-guided fine needle aspiration biopsy (EUS-FNA/B): Technique and Needle Choice, Tips and Tricks, Clinical Applications, Complications

Prof. Dr. Mariana Jinga

10:00-10:30 EUS and Anastomoses: Techniques for performing EUS-guided anastomoses, including the use of devices like Hotaxios. Theoretical Introduction followed by Video Demonstrations.

S. L. Dr. Cristian Țiereanu, Prof. Dr. Adrian Săftoiu

10:30-11:00 Coffee Break

11:00-13:30 Hands-On EUS Practice: Participants practice EUS-guided procedures, including anastomoses through the gastroscope, on simulators or animal models.

Trainers: Conf. Dr. Daniel Vasile Balaban, Conf. Dr. Raluca Simona Costache, S.L. Dr. Cristian Țiereanu, Asist. Univ. Dr. Ioan Cristian Nedelcu, Dr. Radu Florin Pîrvulețu

13:30-14:00 Lunch Break

Afternoon Session: Advanced ERCP and New Technologies

14:30-15:00 Single-Use Duodenoscopes and Cholangioscopy: Introduction to the latest technologies and their benefits. Demonstration of single-use duodenoscopes and cholangioscopy techniques.

Asist. Univ. Dr. Cristian Nedelcu

15:00-15:30 ERCP Case studies and Discussion Session on the Selection and Application of New Devices in Clinical Scenarios.

S. L. Dr. Vlad Iovănescu

15:30-16:00 Plastic versus Metal Stents: Is there a Winner?

S. L. Dr. Vasile Șandru

16:00-16:30 Coffee Break

16:30-19:00 Hands-On ERCP Practice: Participants get hands-on experience with single-use duodenoscopes and practice cholangioscopy techniques on simulators or animal models.

Trainers: Conf. Dr. Daniel Vasile Balaban, Conf. Dr. Raluca Simona Costache, S.L. Dr. Cristian Țiereanu, Asist. Univ. Dr. Ioan Cristian Nedelcu, Dr. Radu Florin Pîrvulețu

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Additional Program Elements

Throughout the Course: Emphasis on patient safety, procedural efficiency, and the integration of new technologies into clinical practice.

End of Day 2: Course feedback, evaluation, and discussion on pathways for further training and certification in advanced endoscopic techniques.

Considerations

Faculty and Experts: Involve leading practitioners and innovators in the field to provide insights into the development and clinical application of new devices and techniques.

Resource Allocation: Ensure access to the latest devices and technologies for hands-on sessions, possibly in collaboration with device manufacturers for training support.

Certification and Follow-Up: Offer certification that recognizes the advanced skills acquired, and establish a follow-up program or community for ongoing learning and support.

This revised program is designed to equip participants with the knowledge and skills to adopt and implement the latest interventional endoscopy techniques in their practice, with a strong emphasis on hands-on learning and practical application.

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