**ENDOSCOPY WORKSHOP**

**,,A JOURNEY in BRONCHOLOGY”**

18th– 20th of May, 2023

**Course Directors**: Mărioara Șimon, Doina Todea, Ariadna Petronela Fildan,

Roxana Maria Nemeș, Ruxandra Ulmeanu.

**Guest Faculty (A-Z)**

Alexe Mihai Olteanu Mihai

Berlea Lavinia Mădălina Pop Alexandra

Chiș Ana Papai Zsolt - Hungary

Fildan Ariadna Petronela Popevic Spasoje - Serbia

Gîltan Ioncica Ana-Maria Sturz Ciprian

Grigorescu Gabriel Șimon Mărioara

Jimborean Gabriela Tent Antonia

Toma Lăcrămioara Roxana Nemes

Leșan Andrei Ulmeanu Ruxandra

Marchis Florin Monica Mlesnita

Vasian Horatiu

**Workshop Program**

**DAY 1, Thursday, 18thof May 2023, ON-LINE presentations**

**,,Introduction in flexible bronchoscopy”**

**For pulmonologists and anesthesiologists**

Objectives

- to be aware that flexible bronchoscopy is very important in everyday pulmonologist practice

- to be able to recognize and identify the anatomy of the airway

- to be able to intubate the patient with flexible bronchoscope

- to know the segmentation of the bronchi and to be able to do step by step bronchoscopy

- to have knowledge about bronchoscopy techniques

- to be able to demonstrate how to clean the fibroscope after procedure

**09:00-09:20 Introduction.**

Ruxandra Ulmeanu, Doina Todea, Ariadna Petronela Fildan

**09:20-09:40 Functional tests before bronchoscopy**

 **Nemes Roxana**

**09:40-10:00 The anatomy of the airways and relationships**

Antonia Tent

**10:00-10:20 Anestezia locală și sedarea moderată în bronhologie**

 **Local anesthesia and moderate sedation in bronchology**

Monica Mlesnite

**10:20-10:40** **Bronchoscopic Inspection: Airway Inspection**

Andrei Leșan

**10:40-11:00** **Pre Bronchoscopy Evaluation. Indications and Complications**

Ana-Maria Ioncica Gîltan

**11:00-11:15**  **Coffee break**

**11:15-11:35** **Bronchoscopy in special population**

Gabriela Jimborean

**11:35-11:55** **Prevention and Management of Complications in Bronchology**

Gabriel Grigorescu

**11:55-12:15** **Bronchoscopy techniques: Biopsy, Transbronchial biopsy, BAL**

Ariadna Petronela Fildan

**12:15-12:35** **Transbronchial biopsy and BAL in PID**

Ruxandra Ulmeanu

**12:35-12:55** **Cryobiopsy in clinical practice**

Marioara Simon

**12:55-13:15** **Symposium “Reflex test of biomarkers in NSCLC patients -Integrating primary and molecular diagnosis”**

Mărioara Șimon

**13:15-13:35** **Interactive true/false session**

Ana Chiș

**13:35-13:55** **Triple Bronchodilation in COPD**

Mărioara Șimon

**13:55-15:00**  **Lunch Break**

**15:00-15:20** **Evaluation of Central Airway Obstruction**

Mărioara Șimon

**15:20-15:40** **Interactive session**

Ciprian Sturz

**15:40-16:00** **Ventilatia cu Jet Ventilator în bronhologie-indicații, tehnică, limite**

 **Jet Ventilation in Bronchology - indications, technique, limits**

Florin Marchis

**16:00-16:20**  **Aspiratul bronșic și lavajul bronhoalveolar în ATI**

 **Bronchial aspiration and bronchoalveolar lavage in ATI**

 **Pop Alexandra**

**16:20-16:40**  **Intubația dificilă asistată fibrobronhoscopic**

 **Difficult intubation - fibrobronchoscopy assisted**

Vasian Horatiu Nicolae

**16:40-17:00** **Redactarea unui buletin de Examen fibroscopic**

 **How to write a fibroscopic raport**

Mărioara Șimon

**17:00-17:20** Feedback, discutions, Q&A.

**DAY 2 – Friday, 1 9th of May 2023**

**Workshop in Interventional pulmonology** – On-line Presentations

Objectives:

* To know nodal and vascular mediastinal anatomy
* To know EBUS/CT corellations
* To know indications, complications of EBUS
* To Know step by step EBUS-TBNA
* To be able to communicate with nurses and to handling and processing EBUS specimen
* Cryobiopsy

**09:00-09:20 EBUS phisics, artefacts and clinical cases**

Mărioara Șimon

**09:20-09:40 EBUS lymp node Map - Nodal Anatomy -**

 Zsolt Papai, Hungary

**09:40-10:00 EBUS – CT corelations**

Popevic Spasoje, Serbia

**10:00-10:20 Symposium**

Mărioara Șimon

**10:20-10:40 EBUS A practical aproach**

Mihai Alexe

**10:40-11:00**  **Coffee Break**

**11:00-11:20 EBUS-TBNA – ROSE în diagosticul pneumologic**

**ROSE smear preparation and interpretation in pneumologic diagnosis**

Lăcrămioara Toma

**11:20-11:40 Interactive session: EBUS-TBNA, Q/A session**

Mădălina Berlea

**11:40-12:00 Radial EBUS - solitary pulmonary nodule diagnosis**

Mărioara Șimon

**12:00-12:20 Recent Advances in Interventional bronchoscopy: no going back, only Forward**

Dorin Vancea

**12:20-12:40** **Synapse 3D Solution for bronchoscopist**

Mărioara Șimon

**12:40-13:00** **APC în practica clinică**

 **APC in clinical practice**

Mihai Oltean

**13:00-13:20** **Cryobiopsy in pneumologic diagnosis**

Mărioara Șimon

**13:20-15:00**  **Lunch Break**

**15:00-17:30** HANDS – ON 8 learners / hour

**Station 1**: EBUS-TBNA practice on Symbionix Hands-on

**Station 2**: EBUS-TBNA: step-by-step

EBUS –TBNA practical approach

**Station 3:** Smear Preparation and interpretation ROSE

**Stația 5:** Intubație cu bronhoscopul rigid

**Rigid bronchoscopy intubation**

**Stația 6:** Cryobiopsy

**Stația 7:** Jet Ventilator pentru pneumologi

**Jet Ventilator for pulmonologists**

 **Station 8**

1. Mediastinal anatomy: EBUS-CT- Bronchoscopy correlations
2. EBUS mediastinal lymph node maping - video session
3. EBUS processor knobology, EBUS bronchoscope & needle anatomy

 **DAY 3 – Saturday, 20 th of May 2023**

**For pulmonologists and anesthesiologists**

**09:00-14:00** HANDS-ON 9 stations - 9 learners /hour

**Station 1**:

1. Anatomy and relationships of the airway, Bronchoscopy step by step - video
2. Practical Approach
3. Informed consent

**Station 2:** Hands-on Symbionix

Step by step anatomy hands-on and Flexible bronchoscopy intubation

**Station 3:** Bronchoscopy techniques: biopsy, brushing

**Station 4:** Bronchoscopy techniques: Foreign body removal

**Station 5:** Hands-on Symbionix

 **Stația 6:** Intubația dificilă cu fibroscopul

 **Difficult intubation trough flexible bronchoscop**

**Stația 7:**  Jet Ventilator

 **Stația 8:** Intubație cu bronhoscopul rigid

**Rigid bronchoscopy intubation**

**Stația 9:** Intubație cu fibroscop de unică folosință

**Disposable fibroscope intubation**

**14:00-14:30** Feedback, discutions, Q&A