



SCIENTIFIC PROGRAM

ParuPadang Basic Flexible Bronchoscopy Workshop 2026

COURSE OVERVIEW

- Date : Nov 15, 2026
- Venue : Dr. M. Djamil General Hospital, Padang, Indonesia
- Course Director : Dimas Bayu Firdaus, MD
- Program : Hands-on workshop
- Participant Capacity : 25
- Target Participants : Specialists in pulmonology, internal medicine, pediatrics, anesthesiology, and emergency medicine.

LEARNING OBJECTIVES

1. Use a structured practical approach to plan flexible bronchoscopy and select an appropriate scope.
2. Identify key bronchial anatomy and describe a systematic airway examination.
3. Practice basic scope handling, maneuvering, sampling techniques, and specimen handling in simulation.
4. Develop an initial bronchoscopy plan for selected emergency and critical care cases.
5. Practice the essential steps and safety considerations of simulated airway foreign body removal.

SCIENTIFIC PROGRAM

1. LECTURES AND CASE DISCUSSIONS

Pre-test

08:40–08:45 | 5 minutes.

Assessment establishes participants' baseline understanding of basic flexible bronchoscopy.

Lecture 1: Introduction to Flexible Bronchoscopy and the 4-Box Practical Approach

08:45–09:25 | 40 minutes | Faculty: Russilawati.

Introduction of bronchoscope components and scope selection, common indications, contraindications, and preparation. The 4-Box Practical Approach provides a structure for assessing patient readiness and planning the procedure, including monitoring and basic sedation considerations.

Lecture 2: Systematic Airway Examination and Bronchial Anatomy

09:25–10:05 | 40 minutes | Faculty: Irvan Medison.

Reviews tracheobronchial anatomy, anatomical landmarks, and lobar and segmental orientation. Emphasis is placed on a reproducible airway examination, maintaining orientation during navigation, recognizing abnormal findings, and documenting the examination.



Group Discussion 1: Choose the Scope—Is This Patient Ready for Bronchoscopy?

10:05–10:25 | 20 minutes | Faculty: Russilawati and Irvan Medison.

Participants apply scope selection, anatomical orientation, and pre-procedure assessment to clinical cases. Discussion focuses on whether to proceed, what preparation is needed, and when to defer or seek additional support.

Lecture 3: Basic Bronchoscopic Sampling and Specimen Handling

10:40–11:20 | 40 minutes | Faculty: Oea Khairsyaf.

Introduces bronchial washing, bronchoalveolar lavage, brushing, and basic biopsy principles. Participants relate the clinical question and target lesion to the sampling method, recognize procedural risks, and review specimen identification, labeling, and handling for cytology, histopathology, and microbiology.

Lecture 4: Bronchoscopy Under Pressure: Practical Essentials for Emergency and Critical Care

11:20–12:00 | 40 minutes | Faculty: Dimas Bayu Firdaus.

The role and limitations of bronchoscopy in selected emergency and critical care scenarios. Topics include patient stabilization, oxygenation and ventilation considerations, team preparation, and recognition of complications. Cases introduce secretion-related obstruction and suspected airway foreign bodies, with attention to stopping and escalation decisions.

Group Discussion 2: Plan, Sample, and Troubleshoot the Procedure

12:00–12:20 | 20 minutes | Faculty: Oea Khairsyaf and Dimas Bayu Firdaus.

Immediately after Lectures 3–4, participants develop a sampling and specimen-handling plan, anticipate complications, and discuss responses to procedural deterioration. The discussion connects diagnostic choices with patient safety in emergency and critical care cases.

Post-test

12:20–12:25 | 5 minutes. A brief knowledge assessment after Discussion 2 covers the learning points from all four lectures. Pre-test and post-test results support evaluation of cognitive learning; the tests do not constitute a practical skills assessment.

2. HANDS-ON SIMULATION

25 participants work in four groups. Each group rotates through all four stations, with 30 minutes per station (120 minutes in total). The sessions focus on introductory supervised simulation.

- Station A - Basic Handling and Maneuvers: Scope orientation, controlled tip movements, and basic airway navigation.
- Station B - Sampling Techniques: Simulation of basic bronchoscopic sampling and specimen handling.
- Station C - Critical Care Unit Case: Case-based bronchoscopy planning and troubleshooting in a critical care setting.
- Station D - Foreign Body Removal: Simulated identification, grasping, and safe extraction of an airway foreign body.

3. OPTIONAL ADD-ON: IMMERSIVE LIVE CASE OBSERVATION

Date: Nov 16, 2026

Up to 5 registered workshop participants may opt for the next-day observation. Participants observe clinical bronchoscopy and discuss case selection, procedural planning, findings, and specimen handling with the clinical team. This is an observation-only activity, subject to case



availability and hospital requirements. Session times will be confirmed according to the clinical schedule.



DETAILED TIMETABLE

Time	Duration	Activity	Speaker/Facilitator
08:00–08:30	30 minutes	Participant Registration	Organizing Committee
08:30–08:40	10 minutes	Opening Remarks and Opening	President Director, Dr. M. Djamil General Hospital
08:40–08:45	5 minutes	Pre-test	Course Director and Instructor Team
08:45–09:25	40 minutes	Lecture 1: Introduction to Flexible Bronchoscopy & The 4-Box Practical Approach	Faculty 1: Russilawati
09:25–10:05	40 minutes	Lecture 2: Systematic Airway Examination and Bronchial Anatomy	Faculty 2: Irvan Medison
10:05–10:25	20 minutes	Group Discussion 1: Choose the Scope—Is This Patient Ready for Bronchoscopy?	Faculty 1 and Faculty 2
10:25–10:40	15 minutes	<i>Coffee Break</i>	<i>Organizing Committee</i>
10:40–11:20	40 minutes	Lecture 3: Basic Bronchoscopic Sampling and Specimen Handling	Faculty 3: Oea Khairsyaf
11:20–12:00	40 minutes	Lecture 4: Bronchoscopy Under Pressure: Practical Essentials for Emergency and Critical Care	Faculty 4: Dimas Bayu Firdaus
12:00–12:20	20 minutes	Group Discussion 2: Plan, Sample, and Troubleshoot the Procedure	Faculty 3 and Faculty 4
12:20–12:25	5 minutes	Post-test	Course Director and Instructor Team
12:25–13:25	60 minutes	- <i>Lunch Break and Prayer</i> - <i>Smarter Bronchoscopy Services: Optimizing Costs, Patient Flow, and Length of Stay</i>	- <i>Organizing Committee</i> - <i>Non CME Session</i>
13:25–15:25	120 minutes	Hands-on Simulation (4 × 30-minute rotations) Station A — Basic Handling and Maneuvers Station B — Sampling Techniques Station C — Critical Care Unit Case Station D — Foreign Body Removal	Station A–D Facilitators
15:25–15:45	20 minutes	Evaluation, Feedback, and Closing	Organizing Committee