



**COLLEGE OF ANAESTHESIOLOGISTS & INTENSIVISTS OF SRI LANKA**  
**Preparatory Course for**  
**Selection examination MD<sub>Anaesthesiology</sub>**

**FEBRUARY – 2026**

**ON ZOOM PLATFORM**

**1<sup>st</sup> WEEKEND**

**14<sup>th</sup> February 2026 Saturday**

12.00 – 12.30 pm	Registration and Introduction	Prof Vasanthi Pinto Dr Lakmali Samaraweera
12.30 – 1.30 pm	Pharmacodynamics	Dr Vasumathi Devanesan
1.30 – 2.30 pm	Flow and Volume	Dr Malin Gunawardena
2.30 – 4.30 pm	Graphs & Exponentials	Dr P Warusavitharana

**15<sup>th</sup> February 2026 Sunday**

8.00 – 9.00 am	Control of Ventilation	Dr Upul Ranjith
9.00 – 10.00 am	Carriage of CO <sub>2</sub> , Hypo and Hypercarbia	Dr Upul Ranjith
10.00 – 11.00 am	IV Anaesthetic Agents	Dr S Premakrishna
11.00 – 12.00 pm	Pharmacology of Inhalational Agents	Dr Deepani Wijesinghe

**2<sup>nd</sup> WEEKEND**

**28<sup>th</sup> February 2026 Saturday**

12.00 – 3.00 pm	Principles of Measurement	Dr P Warusavitharana
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**1<sup>st</sup> March 2026 Sunday**

8.00 – 9.00 am	Signal Reproduction	Dr Buddhika Vidanagama
9.00 – 10.00 am	Transducers	Dr Buddhika Vidanagama
10.00 – 12.00 pm	Neuromuscular Transmission	Dr Kavya Boteju
<b>12.00 - 1.00 pm</b>	<b>Lunch</b>	
1.00 – 3.00 pm	Acid base Balance	Dr Mithrajee Preamaratne

**3<sup>rd</sup> WEEKEND**

**14<sup>th</sup> March 2026 Saturday**

11.30 – 12.30 pm	Theatre Pollution & Scavenging	Dr Bimal Kudavidanage
<b>12.30 - 1.00 pm</b>	<b>Lunch</b>	
1.00 – 2.00 pm	Pressure Regulators	Dr Janaki Arulmoli
2.00 – 5.00 pm	Biological Potentials	Dr P Warusavitharana

**15<sup>th</sup> March 2026 Sunday**

8.00 – 9.30 am	Local Anaesthetics	Dr Gayani Walpola
9.30 – 10.30 am	Opioids & Antagonists	Dr Tharanga Perera
10.30 - 12.30 pm	Mixed Venous Oxygen	Dr Chandana Karunaratne
<b>12.30 - 1.00 pm</b>	<b>Lunch</b>	
1.00 – 3.00 pm	Lung Mechanics	Dr Chandana Karunaratne
3.00 – 4.00 pm	V/Q & Oxygenation	Dr Chandana Karunaratne
4.00 – 6.00 pm	ODC & O <sub>2</sub> Carriage	Dr Chandana Karunaratne

**4<sup>th</sup> WEEKEND****28<sup>th</sup> March 2026 Saturday**

12.00 – 1.30 pm	Isomerism	Dr Chamila Jayasekera
1.30 – 3.00 pm	Anticoagulants, Antifibrinolitics & Antiplatelets	Dr Anura Abeysundara
3.00 - 4.30 pm	Gas & Vapour Analysis	Dr Nandika Wanigasinghe
4.30 – 5.30 pm	Radiological Investigations in Anaesthesia and Intensive Care	Dr Udaya Wanigasiri

**29<sup>th</sup> March 2026 Sunday**

8.00 – 9.30 am	Pharmacokinetics	Dr Gita Jayathilaka
9.30 – 11.30 am	Renal Physiology	Dr Keshari de Silva
11.30 – 12.30 pm	Control of Blood Pressure	Dr Queenie Veerasingham

**5<sup>th</sup> WEEKEND****25<sup>th</sup> April 2026 Saturday**

12.00 – 1.00 pm	Antihypertensives	Dr Vihara Dassanayaka
1.00 – 2.00 pm	Anaesthetic Machine	Dr Vihara Dassanayake
2.00 – 3.30 pm	Methods of Sterilization	Dr Suharshana Jayasekera
3.30 – 5.30 pm	Haemodynamic Monitoring	Dr Senani Samarainghe

**26<sup>th</sup> April 2026 Sunday**

8.00 - 9.00 am	Autonomic Nervous System	Dr Chamil Perera
9.00- 10.00 am	Physiology of Nerve & Muscle	Dr Amila Jayasinghe
10.00- 11.00 am	Inotropic & Vasoactive Agents	Dr Dilrukshi Perera
11.00 – 12.00 pm	Neuromuscular Blockers	Dr Gitanjali Jayathillake
<b>12.00 - 1.00 pm</b>	<b>Lunch</b>	
1.00 – 2.30 pm	Measurement of Neuromuscular Blockade	Dr Haritha Dharmakeerthi
2.30 – 4.30 pm	Assessment of Awareness in Anaesthesia	Dr Haritha Dharmakeerthi

**6<sup>th</sup> WEEKEND****9<sup>th</sup> May 2026 Saturday**

12.30 – 1.30 pm	Humidifiers	Dr Charaka Yapa
1.30 – 2.30 pm	Vapourisers	Dr Charaka Yapa
2.30 – 3.30 pm	Measurement of NIBP	Dr Chandana Karunaratna
3.30 – 4.30 pm	Measurement of IBP	Dr Chandana Karunaratna
4.30 – 5.30 pm	Tutorial on Antimuscarinics & Reversal Agents	Dr Lakmini Perera

**10<sup>th</sup> May 2026 Sunday**

8.00 – 9.00 am	Organ Blood Flow	Dr S Mathanalagan
9.00 – 10.00 am	Shock	Dr S Mathanalagan
10.00 – 11.30 am	ECG Interpretation	Dr Manura Lekamwattage
11.30 – 12.30 pm	Physiology of Liver	Dr Vishaka Kerner
<b>12.30 – 1.00 pm</b>	<b>Lunch</b>	
1.00 – 3.00 pm	CVS Physiology	Dr Tithira Jayaweera
3.00 – 4.30 pm	Blood Gas Electrodes	Dr Nimalie Lochanie

**7<sup>th</sup> WEEKEND****23<sup>rd</sup> May 2026 Saturday**

12.30 – 1.30 pm	Communication skills	Dr Jayathi Subasinghe
1.30 – 2.30 pm	Principles of Pulse Oximetry	Dr Dimuthu Gunasena
2.30 – 3.30 pm	ETCO <sub>2</sub> Analysis & Interpretation of Capnography	Dr Dimuthu Gunasena
3.30 – 5.00 pm	Statistics I	Dr Hemantha Kumarihamy

**24<sup>th</sup> May 2026 Sunday**

8.00 – 9.00 am	Physiology of Exercise	Dr Thamosha de Silva
9.00 – 10.00 am	Cardiac Output and Venous Return	Dr Chamil Perera
10.00 – 12.00 am	Regulation of ICP	Dr M M Ikram
<b>12.00 – 1.00 pm</b>	<b>Lunch</b>	
1.00 – 2.00 pm	Physiological effects of Haemorrhage	Dr Harini Jagoda
2.00 – 3.00 pm	Haemostatic Mechanisms	Dr Thusitha Jayathilaka
3.00 – 4.00 pm	Body Fluids	Dr Thusitha Jayathilaka
4.00 – 5.00 pm	Temperature Monitoring	Dr Malin Gunawardena

**8<sup>th</sup> WEEKEND****6<sup>th</sup> June 2026 Saturday**

12.00 – 1.00 pm	Physiology of Pain	Dr Prasadini Karunaratna
1.00 – 2.00 pm	Physiology of Valsalva & IPPV	Dr Lakmi Hewage
2.00 – 3.00 pm	Respiratory Measurements	Dr Chandana Karunaratna
3.00 – 4.00 pm	Tutorial on Respiratory Physiology	Dr Chandana Karunaratna
4.00 – 5.00 pm	Breathing Circuits	Dr Hemantha Rajapaksha

**7<sup>th</sup> June 2026 Sunday**

8.00 – 9.00 am	Metabolic Response to Trauma	Dr Chintha Kariyawasam
9.00 – 10.00 am	Endocrine Physiology	Dr Ashani Rathnayaka
10.00 – 11.00 am	Renal Function Tests	Dr Shammi Gamage
11.00 – 12.00 pm	Potassium Homeostasis	Dr Piyusha Jayawardena
12.00 – 1.00 pm	Calcium Homeostasis	Dr Piyusha Jayawardena
<b>1.00 – 2.00 pm</b>	<b>Lunch</b>	
2.00 – 3.00 pm	Electricity & Electrical Safety	Dr Anupa Herath
3.00 – 5.00 pm	Recorders and Display Units	Dr Chandana Nawarathna

**9<sup>th</sup> WEEKEND****20<sup>th</sup> June 2026 Saturday**

12.00 – 1.00 pm	Antiarrhythmics	Dr Ushani Ranjan Attanayake
1.00 – 2.00 pm	Tutorial on CVS Physiology	Dr Tithira Jayaweera
2.00 – 3.00 pm	Principles of Pulse Oximetry	Dr Dimuthu Gunasena
3.00 – 4.00 pm	ETCO <sub>2</sub> Analysis & Interpretation of Capnography	Dr Dimuthu Gunasena
4.00 – 6.00 pm	Statistics II	Dr Hemantha Kumarihamy

**21<sup>st</sup> June 2026 Sunday**

8.00 – 10.00 am	Tutorial on Physics	Dr Buddhika Vidanagama
10.00 – 11.00 am	Principles of CT/MRI/Laser	Dr Bimal Kudavidanage
11.00 – 12.00 pm	Doppler, Ultrasound & newer imaging techniques	Dr Bimal Kudavidanage
<b>12.00 – 1.00 pm</b>	<b>Lunch</b>	
1.00 – 2.00 pm	Tutorial on Anticoagulants, Antifibrinolytics & Antiplatelets	Dr Chamila Pilimatalawwe
2.00 – 3.00 pm	Clinical Applications of Pharmacokinetics	Dr Sandya Somaweera

3.00 – 4.00 pm	Clinical Applications of Pharmacodynamics	Dr Sandya Somaweera
4.00 – 5.00 pm	Tutorial on Pharmacology	Dr Hemantha Kumarihamy

## 10<sup>th</sup> WEEKEND

4<sup>th</sup> July 2026 Saturday

5<sup>th</sup> July 2026 Sunday

The format of the course would be mostly interactive with participants being expected to be prepared for discussions, having gone through the relevant reading material.

## Course Fee and payment:

Full Course: Rs 15,000.00

Physiology only: Rs 10,000.00

Course fees are to be paid online via the official payment gateway of COAISL **on or before 12<sup>th</sup> February**.

Please note that cash payments will NOT be accepted.

### Instructions for payment:

1. Go to the official COAISL website: Link <https://anaesthesia.lk/md-degrees/>
2. Read the instructions and click the button “Register”. You will be redirected to the official payment gateway (congress.anaesthesia.lk)
3. Select the appropriate category (full or physiology only) and proceed to payment.
4. Please make sure you enter your details accurately, especially your email address.
5. Upon successful payment you will receive the confirmation invoice to your email address.
6. You will receive official communication via email from COAISL on 13<sup>th</sup> February with further details.

Dr Lakmali Samaraweera,

Consultant Anaesthetist / Secretary Education - COAISL

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## Helpful reference material

### RECOMMENDED READING

Recommend to read latest edition

#### **PHYSIOLOGY**

1. Textbook of Medical Physiology by Arthur Guyton, John E Hall
2. A Review of Medical Physiology by William F. Ganong
3. Principles of Physiology for the Anaesthetist by Ian Power and Peter Kam
4. Respiratory Physiology by John B West, Andrew M Luks
5. Applied Respiratory Physiology by J.F. Nunn

#### **PHARMACOLOGY**

1. Drugs in Anaesthetic Practice by M.D.Vickers, M. Morgan, PSJ Spencer, MS Read
2. Pharmacology & Physiology in Anaesthetic practice by Robert K. Stoelting, Simon C Hillier
3. Pharmacology for Anaesthesia and Intensive Care by Tom E. Peck, Sue Hill
4. Drugs and Anaesthesia. Pharmacology for Anaesthetists by Margaret Wood & Alastair Wood
5. Pharmacology by H. P. Rang, J. M. Ritter, R. J. Flower, and G. Henderson
6. Principles and practice of Pharmacology for Anaesthetists by Norman Calvey and Norton Williams

#### **PHYSICS, CLINICAL MEASUREMENTS AND CLINICAL CHEMISTRY**

1. Basic Physics Measurements in Anaesthesia by G.D. Parbrook, P.D. Davis, E.O. Parbrook
2. Principles of measurement and monitoring in Anaesthesia and Intensive Care by M.K. Sykes, M.D.Vickers, C.J. Hull, P.J. Winterburn, B.J. Shepstone
3. The physics, clinical measurement and equipment of anaesthetic practice for the FRCA by Patrick Magee, Mark Tooley
4. Scientific Foundations of Anaesthesia by Cyril Scurr, Stanley Feldman, & Neil Soni
5. Ward's Anaesthetic equipment by John TB Moyle, Andrew Davey
6. Statistics at Square one by Thomas Douglas, Victor Swinscow
7. Statistics at Square two By Michael J Campbell, T.D.V Swinscow