



BDMS ADULT ECMO TRAINING COURSE 2026



February 24-26, 2026



BDMS Simulation Center, Bangkok Heart Hospital, Thailand

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BDMS Simulation Center, Bangkok Heart Hospital,
Bangkok, Thailand

Welcome to “BDMS Adult ECMO Training Course” Bangkok, Thailand

The course was being conducted since 2016 by the faculty of the ECMO Center at Bangkok Heart Hospital. This instructive 3 days ELSO Endorsed course is designed for physicians (intensivists, surgeons etc.), nurses, perfusionists and other health care professionals caring for patients who receive Extracorporeal Life Support. It is a 3-day course that covers most aspects of ECMO management comprehensively with simulation and lecture components attached to it. The topics are scattered over 3 days with the course starting at 8 am. and ending at 5 pm. on the three days. Of the 27 odd hours the participants spend on the course – 7 hours are spent on lectures and the remaining time on small group teaching based on water drills and simulation. The lectures will cover subjects like components of the ECMO circuit, indications for ECMO, contraindications, managing the patient on ECMO, cannulation strategy, physiology, anticoagulation, and troubleshooting, etc.

The practical stations have learning objectives hands on sessions are 30 minutes each with 5-6 delegates in each group proposed with one or two instructors. More than 50% is spent on hands on training. The water drills and high-fidelity simulations cover all of the ECMO emergencies. All the simulation scenarios are comprehensive. Skill assessment at the end of the course looks at technical, cognitive and behavioral aspects, critical steps are identified prior to the step and reaction times are recorded.

The course will be held from February 24-26, 2026 at BDMS Simulation Center, Bangkok Heart Hospital, Bangkok, Thailand. The number of participants is maximized to 18. Besides of the course, the registration fee will cover ELSO's manual, handout, lunches and coffee breaks.

AGENDA

February 24, 2026

DAY 1

Session 1 Morning

Time	Title	Time (min)	Instructor
08:00	Pre-test	30	Dr. Perm-yos
08:30	Introduction of BDMS ECMO Course	5	Dr. Perm-yos
08:35	History of ECMO, ECMO Physiology, Components of ECMO	50	Dr. Perm-yos
09:25	Cardiac Failure, Indication for ECMO	50	Dr. Piya
10:15	COFFEE BREAK	15	
10:30	ECMO for Respiratory Failure	50	Dr. Perm-yos
11:20	ECMO Troubleshooting & Complication	50	Dr. Jule
12:10	Introduction to Simulation	5	Dr. Perm-yos
12:15	LUNCH	45	

Session 2 Afternoon

Time	Room 1	Room 2	Room 3
	Priming Circuit Percutaneous ECMO Insertion Dr. Perm-yos Nurse Perfusionist	Scenario 1-3 Dr. Jule Nurse Perfusionist	Scenario 4-5 Dr. Piya Nurse Perfusionist
13:00 (15 min)	How to working with scenarios/ECMO components	How to working with scenarios/ECMO components	How to working with scenarios/ECMO components
13:15 (70 min)	Group A	Group B	Group C
14:25	COFFEE BREAK (15 min)		
14:40 (70 min)	Group C	Group A	Group B
15:50	BREAK (10 min)		
16:00 (70 min)	Group B	Group C	Group A
17:10	END		

Noted : 1. Dress formally. Sneakers and trousers are recommended.

2. Lecture in the morning. Training in the afternoon, participation is compulsory. Participants will be divided into three groups and then rotated.

AGENDA

February 25, 2026

DAY 2

Session 1 Morning

Time	Title	Time (min)	Instructor
08:00	ECLS Pharmacology/Sedation, Anticoagulation	50	Dr. Ittiporn, Ph.D.
08:50	ECMO Practical Point, Advance Circuit, ECPR	50	Dr. Jule
09:40	Rehabilitation	30	Dr. Supak
10:10	COFFEE BREAK	15	
10:25	Set the ECMO Team: Cost and Staffing	30	Dr. Piya
10:55	Newest Circuits, Technologies and Ethical Considerations	30	Dr. Perm-yos
11:25	ECMO Transportation	30	Dr. Sithichai
11:55	LUNCH	45	

Session 2 Afternoon

Time	Room 1	Room 2	Room 3
	(Scenario 6-7) Dr. Jule Nurse Perfusionist	(Scenario 8-10) Dr. Perm-yos Nurse Perfusionist	(Scenario 11-12) Dr. Piya Nurse Perfusionist
12:40 (70 min)	Group A	Group B	Group C
13:50	BREAK (10 min)		
14:00 (70 min)	Group C	Group A	Group B
15:10	COFFEE BREAK (10 min)		
15:20 (70 min)	Group B	Group C	Group A
16:30 (30 min)	MEGA Code VV ECMO Dr. Piya Nurse Perfusionist		
17:00	FEEDBACK/ Discussion and END		

Noted : 1. Dress formally. Sneakers and trousers are recommended.

2. Lecture in the morning. Training in the afternoon, participation is compulsory. Participants will be divided into three groups and then rotated.

AGENDA

February 26, 2026

DAY 3

Session 1 Morning

Time	Room 1	Room 2	Room 3
	(Scenario 13) Dr. Piya Nurse Perfusionist	(Scenario 14-15) Dr. Pranya Nurse Perfusionist	(Scenario 16-18) Dr. Jule Nurse Perfusionist Interhospital ECMO Transport: Dr. Sithichai
08:30 (70 min)	Group A	Group B	Group C
09:40	BREAK (10 min)		
09:50 (70 min)	Group C	Group A	Group B
11:00	COFFEE BREAK (15 min)		
11:15 (70 min)	Group B	Group C	Group A
12:25	LUNCH (40 min)		

Session 2 Afternoon

13:05 (30 min)	MEGA Code VA ECMO Dr. Perm-yos Nurse Perfusionist		
Time	Room 1	Room 2	Room 3
	Simulation Exam Dr. Piya Nurse + Perfusionist	Simulation Exam Dr. Pranya Nurse + Perfusionist	Simulation Exam Dr. Jule Nurse + Perfusionist
13:35 (40 min)	Group A	Group B	Group C
14:15	BREAK (10 min)		
14:25 (40 min)	Group C	Group A	Group B
15:05	COFFEE BREAK (10 min)		
15:15 (40 min)	Group B	Group C	Group A
15:55 (30 min)	Post-test - Dr. Perm-yos		
16:25	Closing Remark and Award Certificates to Participants - Dr. Perm-yos		

- Noted :**
1. Dress formally. Sneakers and trousers are recommended.
 2. Participation is compulsory. Participants will be divided into three groups and then rotated.

Course Director



Permyos Ruengsakulrach, MD, PhD, FRCST, FCCP, AFEEAT

ดร.นพ. เพ็มยศ เรืองสกุลราช

*Course Director of BDMS Adult ECMO Training Course
Comprehensive Simulation-Based ECMO Course Endorsed by ELSO
Chairman of BDMS ECMO Program , Cardiovascular and Thoracic Surgeon
Medical Administrative Assistant, Bangkok Heart Hospital*

Faculties



Assoc. Prof. Pranya Sakiyalak , MD.

รศ.นพ. ปรัญญา สาภัยลักษณ์

Cardiovascular and
Thoracic Surgeon



Jule Namchaisiri, MD.

นพ. จุล นำชัยศิริ

Cardiovascular and
Thoracic Surgeon



Assoc. Prof. Piya Samankatiwat, MD.

รศ.นพ. ปิยะ สมานคตวิวัฒน์

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Trainers



Sithichai Veerananchai, MD.

นพ. สิทธิชัย วีรนนทชัย

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ECMO Transportation



Supak Kanchanaporn, MD.

พญ. สุกัด กาญจนภรณ์

Cardiac Rehabilitation
Physician



Ittiporn Chuatrisorn, PhD.

ดร.อิทธิพร เชื้อไตรสรณ์

Pharmacologist



Mr. Sombat Gunyaphan

คุณสมบัติ ักัญญาพันธ์

Cardiothoracic Technologist



Ms. Muthita Phuirt

คุณมูทิตา พุยรอด

Cardiothoracic Technologist



Mr. Sumethee Jirathkun

คุณสุเมธี จิระรัตน์กุล

Cardiothoracic Technologist

Registration Fee

Registration Category	Early Bird Fee (before January 16, 2026)	Standard Fee (from January 16, 2026)
Physician	THB 52,000	THB 57,000
Resident / Nurse / Paramedical / Technician / Perfusionist	THB 48,000	THB 52,000

Terms and Conditions

- Registrations are confirmed only upon receipt of payment.
- Registration fee applied will be based on the date of receipt of payment.
- Currency exchange charges or bank collection fees are the registrant's responsibility.
- Please do not forward any values by mail. The Organizing Committee and the Secretariat will accept no liability for any loss.

Payment Terms, Replacement and Cancellation

- Replacement or cancellation requests must be notified in writing/email to the Secretariat.
- Before January 16, 2026 : A 30% of registration fee will apply for cancellation and complimentary replacement.
- From January 16, 2026 : No refund and a USD 100 administration fee for replacement.
- Refunds will be processed within one month after the Training by credit card facility.

Methods of Payment

- Credit Card : Visa and MasterCard are accepted.

IF YOU HAVE QUESTIONS OR CONCERNS, PLEASE E-MAIL OUR OFFICE AT

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✉ kingkarn.si@bangkokhospital.com

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