



BDMS ADULT ECMO TRAINING COURSE 2026



October 27-29, 2026



BDMS Simulation Center, Bangkok Heart Hospital, Thailand

BDMS ADULT ECMO

TRAINING COURSE 2026 (THAI VERSION)

October 27-29, 2026

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 on October 27-29, 2026 at The BDMS Simulation Center (conducted in Thai), 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

October 27, 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. Tanuntorn
10:15	COFFEE BREAK		15
10:30	ECMO for Respiratory Failure	50	Dr. Perm-yos
11:20	ECMO Troubleshooting & Complication	50	Dr. Wirangrong
12:10	Introduction to Simulation	5	Dr. Perm-yos
12:15	LUNCH		45

Session 2 Afternoon

Time	Room 1	Room 2	Room 3
	Dr. Perm-yos Nurse (K. Varaporn) Perfusionist (K. Sumethee)	Scenario 1-3 Dr. Tanuntorn Nurse (K. Natthaporn) Perfusionist (K. Muthita)	Scenario 4-5 Dr. Wirangrong Nurse (K. Panida) Perfusionist (K. Sombat)
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

October 28, 2026

DAY 2

Session 1 Morning

Time	Title	Time (min)	Instructor
08:00	ECLS Pharmacology/Sedation, Anticoagulation	50	Ittiporn, PhD.
08:50	ECMO Practical Point, Advance Circuit, ECPR	50	Dr. Jule
09:40	Rehabilitation in ECMO	30	Dr. Pranisa
10:10	COFFEE BREAK		15
10:25	Weaning ECMO	30	Dr. Wirangrong
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 (K. Varaporn) Perfusionist (K. Sumethee)	(Scenario 8-10) Dr. Perm-yos Nurse (K. Natthaporn) Perfusionist (K. Muthita)	(Scenario 11-12) Dr. Sirawee Nurse (K. Panida) Perfusionist (K. Sombat)
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. Sirawee 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

October 29, 2026

DAY 3

Session 1 Morning

Time	Room 1	Room 2	Room 3
	(Scenario 13) Dr. Sirawee Nurse (K. Varaporn) Perfusionist (K. Sumethee)	(Scenario 14-15) Dr. Thas Nurse (K. Natthaporn) Perfusionist (K. Muthita)	(Scenario 16-18) Dr. Chayatat Nurse (K. Panida) Perfusionist (K. Sombat) 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

Time	Room 1	Room 2	Room 3
	Simulation Exam Dr. Sirawee Nurse (K. Varaporn) + Perfusionist (K. Sumethee)	Simulation Exam Dr. Thas Nurse (K. Natthaporn) + Perfusionist (K. Muthita)	Simulation Exam Dr. Chayatat Nurse (K. Panida) + Perfusionist (K. Sombat)
13:05 (50 min)	Group A	Group B	Group C
13:55	BREAK (10 min)		
14:05 (50 min)	Group C	Group A	Group B
14:55	COFFEE BREAK (10 min)		
15:05 (50 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. เพ็ญยศ 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

Faculties



Jule Namchaisiri, MD.

นพ. จุล นำชัยศิริ
Cardiovascular and
Thoracic Surgeon



Tanuntorn Songdechakraiut, MD.

นพ. ธนันธร ทรงเดชาไกรวุฒิ
Cardiovascular and
Thoracic Surgeon



Wirangrong Kaophuthai, MD.

พญ. วิรังรอง เค้าภูไทย
Cardiovascular and
Thoracic Surgeon



Sirawee Ekkasak, MD.

พญ. ศิริวี เอกศักดิ์
Cardiovascular and
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Chayatat Sirinawin, MD.

นพ. ชญานันท์ ศิรินาวิน
Cardiovascular and
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Thas Tangkijwanichakul, MD.

นพ. ธีรศ ตั้งกิจวานิชกุล
Cardiovascular and
Thoracic Surgeon

Trainers



Sithichai Veerananchai, MD.

นพ. สิทธิชัย วีรณนทชัย
Emergency Medicine
ECMO Transportation



Pranisa Luengratsameerung, MD.

พญ. ปราณิศา เหลืองรัศมีรุ่ง
Cardiac Rehabilitation
Physician



Ittiporn Chuatrisorn, PhD.

ดร. อธิพร เชื้อไตรสรณ์
Pharmacologist



Mr. Sombat Gunyaphan

คุณสมบัติ กัญญาพันธ์
Cardiothoracic Technologist



Ms. Muthita Phurot

คุณมุกิตา ฟูรอด
Cardiothoracic Technologist



Mr. Sumethee Jirathkun

คุณสุเมธี จิระรัตน์กุล
Cardiothoracic Technologist



Ms. Panida Kaews.

คุณปนิดา แก้วสา
Nurse



Ms. Natthaporn Saicheur

คุณณัฐพร สายเชื้อ
Nurse



Ms. Varaporn Sonvichai

คุณวราภรณ์ ศรีวิชัย
Nurse

Registration Fee

Registration Category	Registration Fee
Physician	THB 52,000
Resident / Nurse / Paramedical / Technician / Perfusionist	THB 48,000

Terms and Conditions

- Registrations are confirmed only upon receipt of payment.
- 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 October 1, 2026 : A 30% of registration fee will apply for cancellation and complimentary replacement.
- From October 1, 2026 : No refund and a 50% 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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