



BDMS ADULT ECMO TRAINING COURSE 2025

 May 7-9, 2025

 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 hospital; This instructive 3 days ELSO Endorsed course is designed for physicians (intensivists, surgeons, etc.), nurses, perfusionists and other healthcare 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 May 7-9, 2025 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

May 7, 2025

DAY 1

Session 1 Morning

Time	Title	Time (Min.)	Instructor
08:00	Pre-test	15	Dr. Perm-yos
08:15	Introduction of BDMS ECMO Course	5	Dr. Perm-yos
08:20	History of ECMO, ECMO Physiology, Components of ECMO	45	Dr. Perm-yos
09:05	Cardiac Failure, Indication for ECMO	45	Dr. Piya
09:50	COFFEE BREAK (15 min)		
10:05	ECMO for Respiratory Failure	45	Dr. Perm-yos
10:50	ECMO Troubleshooting & Complication	45	Dr. Jule
11:35	ECMO Practical Point, Advance Circuit, ECPR	30	Dr. Piya
12:05	Introduction to Simulation	5	Dr. Wirangrong
12:10	LUNCH (45 min)		

Session 2 Afternoon

Time	Room 1	Room 2	Room 3
	Priming Circuit Percutaneous ECMO Insertion Dr. Wirangrong Perfusionist	Scenario 1-3 Dr. Jule Nurse Team Perfusionist	Scenario 4-5 Dr. Piya Nurse Team Perfusionist
12:55 (90 Min)	Group A	Group B	Group C
14:25	COFFEE BREAK (15 min)		
14:40 (75 min)	Group C	Group A	Group B
15:55	BREAK (10 min)		
16:05 (75 min)	Group B	Group C	Group A
17:20	Post-test (15 min) Dr. Perm-yos		
17:35	END		

Agenda

May 8, 2025

DAY 2

Session 1 Morning

Time	Title	Time (Min.)	Instructor
08:00	Pre-test	30	Dr. Wirangrong
08:30	ECLS Pharmacology/Sedation, Anticoagulation	30	Ittiporn, Ph.D.
09:00	ECMO Care for Nurses and Nutritional Management of ECMO	40	Mr. Sombat and Dr. Veeranuch
09:40	Rehabilitation	20	Dr. Supak
10:00	COFFEE BREAK (15 min)		
10:15	Set the ECMO team: Cost and Staffing	30	Dr. Piya
10:45	Newest Circuits, Technologies and Ethical Considerations	30	Dr. Perm-yos
11:15	ECMO Transportation	30	Dr. Wirangrong and Dr. Sithichai
11:45	LUNCH (45 min)		

Session 2 Afternoon

Time	Room 1	Room 2	Room 3
	Scenario 6-7 Dr. Wirangrong Nurse Team Perfusionist	Scenario 8-9 Dr. Perm-yos Nurse Team Perfusionist	Scenario 10-12 Dr. Piya Nurse Team Perfusionist
12:30 (80 Min)	Group A	Group B	Group C
13:50	BREAK (10 min)		
14:00 (80 min)	Group C	Group A	Group B
15:20	COFFEE BREAK (10 min)		
15:30 (80 min)	Group B	Group C	Group A
16:50	FEEDBACK/ Dissusion and END		

Agenda

May 9, 2025

DAY 3

Session 1 Morning

Time	Room 1	Room 2	Room 3
	Scenario 13 : Special Circumstance Dr. Piya Nurse Team Perfusionist	Scenario 14-15 Dr. Pranya Nurse Team Perfusionist	Scenario 16-18 Dr. Jule Nurse Team Perfusionist ECMO Transportation : Dr.Sithichai
08:30 (80 min)	Group A	Group B	Group C
09:50	BREAK (10 min)		
10:00 (80 min)	Group C	Group A	Group B
11:20	COFFEE BREAK (10 min)		
11:30 (80 min)	Group B	Group C	Group A
12:50	LUNCH (40 min)		

Session 2 Afternoon

Time	Room 1	Room 2	Room 3
	Simulation Exam 1 : Dr. Piya	Simulation Exam 2 : Dr. Pranya	Simulation Exam 3 : Dr. Jule
13:30 (40 min)	Group A	Group B	Group C
14:10	BREAK (10 min)		
14:20 (40 min)	Group C	Group A	Group B
15:00	COFFEE BREAK (10 min)		
15:10 (40 min)	Group B	Group C	Group A
15:50	Post-test (30 min) Dr. Wirangrong		
16:20	Closing Remark and Award Certificates to Participants Dr. Perm-yos		

Hotel Accommodation Options

Holiday Inn Express Bangkok Soi Soonvijai



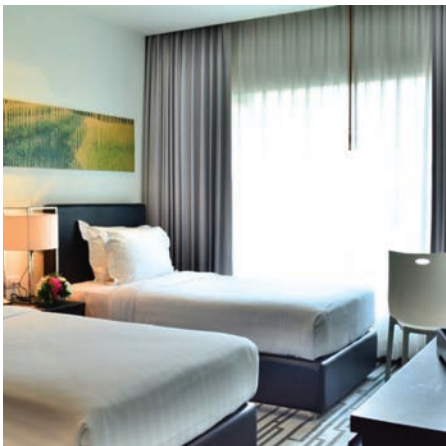
The hotel is just a 2-minute walk to Bangkok Hospital. The hotel also provides FREE Shuttle Service to Bangkok Hospital, Phetchaburi MRT Station, and Thonglor BTS Station where you can connect to other parts of Bangkok smoothly.

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A One Boutique Hotel



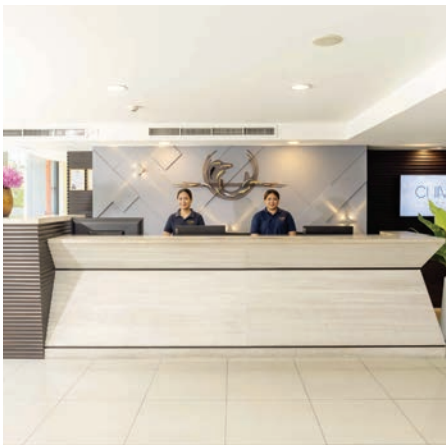
Offering quality accommodations in the shopping, nightlife, restaurants district of Bangkok, A One Boutique Hotel is a popular pick for both business and leisure travelers. Only 1 KM from the city center, the hotel's strategic location ensures that guests can quickly and easily reach many local points of interest. No less exceptional is the hotel's easy access to the city's myriad attractions and landmarks, such as Terminal 21, Bangkok Hospital and Chaloem Phra Kiat Phrabarami 50th Building.

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Course Director



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

ดร.นพ. เพ็มยศ เรืองสกุลราช

Course Director of BDMS Adult ECMO Training Course 2025 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 สาภัยลักษณะ

Cardiovascular and
Thoracic Surgeon



Jule Namchaisiri, MD.

นพ. จุล นำชัยศิริ

Cardiovascular and
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Assoc. Prof. Piya Samankiatwat, MD.

รศ.นพ. บิยะ สมานคตวิวัฒน์

Cardiovascular and
Thoracic Surgeon



Wirangrong Kaophuthai, MD.

พญ. วิรังรอง เค้าภูไทย

Cardiovascular and
Thoracic Surgeon

Trainers



Sithichai Veerananchai, MD.

นพ. สิทธิชัย วีรนนทชัย

Emergency
medicine – ECMO Transportation



Supak Kanchanaporn, MD.

พญ. สุภัค กาญจนภรณ์

Cardiac Rehabilitation
Physician



Veeranuch Rojyindeelert, MD.

พญ. วีรนุช โรจน์ยินดีเลิศ

Clinical Nutritionist



Ittiporn Chuatrisorn, PhD.

ดร. อธิพร เชื้อไตรสรณ์

Pharmacologist



Mr. Sombat Gunyaphan

คุณสมบัติ ภัฏญาพันธ์

Cardiothoracic Technologist



Mr. Sanchai Boonchum

คุณสัชชัย บุญชุม

Cardiothoracic Technologist



Mr. Peerapong Yamdee

คุณพีรพงศ์ แย้มดี

Cardiothoracic Technologist

Registration Fee

Registration Category	Early Bird Fee (before March 31, 2025)	Standard Fee (from April 1, 2025)
Physician	THB 48,000	THB 52,000
Resident / Nurse / ParaMedical / Technician / Perfusionist	THB 44,000	THB 48,000

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 April 1, 2025 : A 30% of registration fee will apply for cancellation and complimentary replacement.
- From April 1, 2025 : 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

✉ Permyos.ru@bangkokhospital.com

✉ kingkarn.si@bangkokhospital.com

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