

CRITICAL CARE PATIENT TRANSPORT

Cardiorespiratory Module

Enhancing **Q**uality **I**n **P**atient **M**anagement in **E**xtrême e**N**viroments and **T**ransport

ONLINE 1 days (9 November 2025) And

IN CLASSROOM : Bangkok(14-16 November 2025)

Please send your Curriculum vitae to Email :temspa2022@gmail.com

considered by the committee : limited 40 seats



CCAT Aeromedical Training





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The course is design for any health care professionals working in a high dependency area who may be involved in the transfer of patients between critical care areas, both within and between hospitals.

Delegates include Emergency physicians, Cardiovascular surgeon, ICU doctors , Aviation doctor and nurses, paramedic personnel, Perfusionists and medical professional's personnel from acute and critical medical areas.

Objectives :

- Specify several special risks and predictable vulnerabilities for critical care patients during inter-hospital transport, and describe possible tactics for ensuring safety for each of these.
- Describe minimal competencies for an 'ideal' critical care medical transport team.
- Generate a checklist of questions or information that is needed for evaluation and planning of a possible critical care transport mission.
- Describe the minimal amount of equipment needed (both concerning the patient and concerning the transport team) for the safe transport of sedated, ventilated critical care patients.
- List and describe management of (and potential strategies for mitigation of) expected types of 'instability in critical care patients related to the transport process, including several related to the medical environment

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UTC/GMT	ICT	9 November 2025 (Day 1) : ONLINE
08.45-09.00	15.45-16.00	Join Zoom (DR.TERRY MARTIN : Course Director)
09.00-09.30	16.00-16.30	1.Introduction to Course (Terminology, units and basic principles)
09.30-10.00	16.30-17.00	2. Physics of the atmosphere and Biodynamics of movement (Vibration & motion sickness, Accelerations)
10.00-10.30	17.00-17.30	3.Revision and Applied of respiratory physiology and Basic Mechanical Ventilator setting And ARDS
10.30-11.00	17.30-18.00	4.Oxygen enroute, Oxygen calculations and Hypoxia
11.00-11.30	18.00-18.30	5.Mode of patient transportation and Vehicle
11.30-12.00	18.30-19.00	Refreshment break
12.00-13.30	19.00-20.30	6. Revision of cardiorespiratory physiology I (haemodynamics , Electrocardiology)
13.30-14.45	20.00-21.45	7. Revision of cardiorespiratory physiology II (haemodynamics , Electrocardiology)
14.45-15.00	21.45-22.00	Day1 closure

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Classroom at BDMS Simulation Center: BDMS Training Center for Clinical Skills, 10th Floor



Day 2	14 November 2025
08:00-08:30	Register
08:30-09:00	Welcome and Introduction
09:00-10:00	1.Pretransport Assessment
Coffee break 15 minutes	
10:15-11:00	2.Non-invasive monitoring and Ambulance Equipment
11:00-12:00	3.Invasive monitoring & ICU Equipment
Lunch	
13:00-14:00	4. Prevention and management of cardiorespiratory emergencies in flight
14:00-15:00	5. ECMO equipment , indications and management (Basic ECMO and ECMO transportation)
Coffee Break 15 minute	
15:15-16:00	6.Ventilator alarms and troubleshooting
16:00-16:50	7.Ventilator setting in specific conditions
16:30-17:00	Summary discussion and closure

Day 3	15 November 2025
08:00-08:30	Register
08:30- 09:30	8. ECMO setting and troubleshooting ,LVA devices
09:30-10:00	9. Critical care transport: preparation and monitoring
Coffee break 15 minutes	
10:15-11:15	10.Clinical & Logistic decision : Risk and decision -making
11:15-12:00	11.Leadership and Teamworking
Lunch	
13:00-14:30	12.Special cases: Pulmonary Thrombo-Embolism (PTE) , ARDS
Coffee Break 30 minute	
15:00-16:30	14.Special cases: Myocardial ischemia and infarction (ACS) Circulatory failure , Shock
16:30-17:00	Summary discussion and closure

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DAY 4 Scenario session 16 November 2025

8:00-8:30 Introduction of Scenario session

Day 3

VV- ECMO

Lifting, loading, securing

Advanced IPP ventilation

8:30-12:00

Optimizing Packaging

The patient

Lunch

Day 3

VA- ECMO

IABP, setting Arterial line,

Practical problems in

13:00-16:30

Central line

transport

16:30-18:00 Summary Discussion, Examination, Evaluation and Closure



SCAN TO REGISTER

- Bank's name : TMBThanachart Bank Public Company Limited (TTB)

-The account name : TEMSPA THAI EMERGENCY MEDICAL SERVICE PHYSICIANS ASSOCIATION

- The account number : 049-7-25976-2 (register 1 September 2025 -15 October 2025)

- 20,000 THB /PERSON

Online 1 day 15:45-22:00 น. ICT

Onsite 3 days 08.00-18.00 น. ICT

สอบถามข้อมูลเพิ่มเติมที่ คุณ โอปอ : 097-9896515

1. Dr. Terry Martin

Course Director of Critical Care Patient Transport (CCPT):

CCAT Aeromedical Training

Cardiorespiratory Module

MSC DAVMED DIPRTMED FIMC FCARCSI FRCS FRCA
FFICM FRAES CONSULTANT IN ANESTHESIA &
INTENSIVE CARE MEDICINE EDUCATION DIRECTOR

Local Instructor	Field of study	Position
2.Dr. Varalee Aphinives	Local course coordinator ,Emergency and Prehospital Emergency Physician, Flight Surgeon	Bhumibol Adulyadej Hospital
3. Dr. Sithichai Veerananchai	Local course coordinator ,Emergency and Flight Physician	Bangkok hospital, Bangkok
4. Dr.Siriwasan Akanitthapichat	Cardiothoracic Surgeon	Bangkok hospital, Pattaya
5. Dr.Nickjaree Songsangvorn	Emergency and critical care physician	Bangkok hospital, Bangkok
6.Dr. Peraphol Prateepamonkul	Emergency and critical care physician	Synphaet Srinakarin hospital, Bangkok
7. Dr.Morakote Wongkumchang	Emergency and critical care physician	Chonburi Hospital
8.Dr.Theethawat Sathirarat	Emergency and critical care physician	Fort Somdej Phranaresuan Maharaj Hospital
9.Dr.Komsanti Vongkulbhisal	Emergency and critical care physician	King Chulalongkorn Memorial Hospital
10. Dr.Thavinee Trainarongsakul	Emergency and critical care physician	Faculty of medicine, Ramathibodi Hospital, Mahidol university
11. Dr.Parinya Tianwibool	Emergency and Prehospital Emergency Physician	Faculty of medicine, Chiang Mai University
12. Dr.Yaowapha Siripakarn	Emergency and Prehospital Emergency Physician	Thammasat university Hospital
13.Dr.Kasamon Aramvanitch	Emergency and Prehospital Emergency Physician	Faculty of medicine, Ramathibodi Hospital, Mahidol university
14.Dr.Welawat Tienpratarn	Emergency and EMS Physician	Faculty of medicine, Ramathibodi Hospital, Mahidol university
Local Assistant	Field of study	Position
15.Sombat Gunyaphan	Cardiothoracic Technologist (CTT)	Bangkok hospital, Bangkok
16.Chayanuch Sang-In	Flight nurse (Emergency)	Bangkok hospital, Bangkok