



Fundamental Intensive Care Support Training Course

5-7 June 2024 Abuja - Nigeria



Endorsed by
(in progress)



TYBD

Türk Yoğun Bakım Derneği
Turkish Society of Intensive Care



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Introduction

Intensive Care Medicine is a field of medicine concerned with patients who have sustained or are at risk of sustaining life threatening, single or multiple organ system failure due to disease or injury. Intensive Care Medicine seeks to provide for the needs of these patients through immediate and continuous observation and intervention so as to restore health and prevent complications. A physician in adult Intensive Care Medicine is a physician or surgeon competent in all aspects of recognizing and managing acutely ill adult patients with single or multiple organ system failure requiring ongoing monitoring and support.

Fundamental Intensive Care Support (FICS) is a training course for professional development carefully prepared and standardised by our dedicated experts to be delivered internationally by Turkish Society of Intensive Care-trained and certified faculty.

FICS has been updated and enhanced to reflect the latest research and the most effective training approaches in critical care. This comprehensive educational course equips intensive care professionals with the knowledge and skill they need to provide bedside best and quality care for patients who are or may become critically ill.

Objectives

- To increase knowledge and to strengthen skills of intensive care professionals
- To promote the implementation of knowledge and to acquire competences in order to set up an intensive care system
- To facilitate exchanging of best practices and to develop an international networking
- To obtain a working knowledge of critical care medicine by actively participating in the management of critically ill patients.
- To gain an understanding of the integrative nature of disease in the critically ill patient and the interdisciplinary approach to the management of such patients.
- To understand the pathophysiology of commonly seen diseases in critically ill patients.
- To become familiar with the principles of airway management and ventilator care.
- To be able to identify the patient at risk, perform an appropriate physical examination, formulate a problem list and institute a course of therapy under the direction of senior personnel.
- To gain proficiency in procedures commonly carried out in a critical care unit.
- To become comfortable in the management of a cardiac arrest and the acute resuscitation of a traumatized or acutely ill patient.
- To develop managerial capacity of intensive care units
- To promote the highest standards of multidisciplinary care of critically ill patients and their families through education, research and professional development.



Learning Outcomes

- The doctor will be able to function successfully within the national health organisational and management systems whilst adhering to the appropriate legal and ethical framework.
- The doctor will be focused on patient safety and will deliver effective quality improvement, whilst practising within established legal and ethical frameworks.
- An Intensive Care Medicine specialist will know how to undertake medical research including the ethical considerations, methodology and how to manage and interpret data appropriately.
- To ensure development of the future medical workforce, a doctor working as a specialist in Intensive Care Medicine will be an effective clinical teacher and will be able to provide educational and clinical supervision.
- Doctors specialising in Intensive Care Medicine can identify, resuscitate and stabilise a critically ill patient, as well as undertake their safe intra-hospital or inter-hospital transfer to an appropriately staffed and equipped facility.
- Intensive Care Medicine specialists will have the knowledge and skills to initiate, request and interpret appropriate investigations and advanced monitoring techniques, to aid the diagnosis and management of patients with organ systems failure. They will be able to provide and manage the subsequent advanced organ system support therapies. This will include both pharmacological and mechanical interventions.
- Specialists in Intensive Care Medicine can provide pre-operative resuscitation and optimisation of patients, deliver post-operative clinical care including optimising their physiological status, provide advanced organ system support and manage their pain relief.
- Doctors specialising in Intensive Care Medicine will understand and manage the physical and psychosocial consequences of critical illness for patients and their families, including providing pain relief, treating delirium and arranging ongoing care and rehabilitation. They will also manage the withholding or withdrawal of lifesustaining treatment, discussing end of life care with patients and their families and facilitating organ donation where appropriate.
- Intensive Care Medicine specialists will have the skillset and competence to lead and manage a critical care service, including the multidisciplinary clinical team and providing contemporaneous care to a number of critically ill patients.
- Intensive Care Medicine specialists will have developed the necessary skills of induction of anaesthesia, airway control, care of the unconscious patient and understanding of surgery and its physiological impact on the patient.
- In order to manage acutely ill patients outside the Intensive Care Unit, an Intensive Care Medicine specialist will have the diagnostic, investigational and patient management skills required to care for ward-based patients whose condition commonly requires admission to the intensive care unit.
- Doctors specialising in Intensive Care Medicine understand the special needs of, and are competent to manage patients with neurological diseases, both medical and those requiring surgery, which will include the management of raised intracranial pressure, central nervous system infections and neuromuscular disorders.
- A specialist in adult Intensive Care Medicine is competent to recognise, provide initial stabilisation and manage common paediatric emergencies until expert advice or specialist assistance is available. They are familiar with legislation regarding safeguarding children in the context of Intensive Care Medicine practice.
- Intensive Care Medicine specialists recognise the special needs of, and are competent to provide the perioperative care to patients who have undergone cardiothoracic surgery, including providing pain relief and advanced organ system support utilising specialised techniques available to support the cardiovascular system.

Programme Content

This training course program covers the basic and advanced aspects of intensive care medicine giving participants an opportunity to acquire comprehensive knowledge and skills on the following topics:

- Invasive mechanical ventilation
- Non-invasive mechanical ventilation
- Haemodynamic ventilation
- Sepsis and severe infections
- Acute respiratory distress syndrome (ARDS)
- Nutrition
- ECMO
- Renal replacement therapy
- Acute respiratory failure (ECLS)
- Disseminated intravascular coagulation (DIC)
- Organisation and management
- Pancreatitis
- Heart failure
- Management of the pain, agitation and delirium
- Major intoxication
- Acute liver failure
- Acute myocardial ischemia
- Acute ischaemic stroke
- Airway management
- Arrhythmia
- Bleeding and thrombosis
- COPD and asthma
- Coma and disorders of consciousness
- Infection prevention and control
- Traumatic brain injury
- Quality and management in the ICU

Methodology

To improve theory by learning through experience and educational technology;

- Theoretical lectures
- Interactive learning
- Dry-lab: case discussions

Academic Qualification

After successful completion of this course, participants will receive a certificate of accomplishment issued by the Turkish Society of Intensive Care and Health Sciences University.

Adressed to

Intensive care physicians

Course Chair

Oktay Demirkıran, MD. Prof. - Intensivist

Istanbul University Cerrahpaşa Medical Faculty Hospital
Department of Anesthesiology and Reanimation - Intensive Care Unit
Turkish Society of Intensive Care - Board Member&Past President
Sepsis Alliance Steering Committee Board Member

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Faculty

National and international intensive care professionals with a high level of expertise in the intensive care medicine. Based on their teaching experience, they will guide participants and provide them personalized feed-back through lectures, interactive learning and dry lab: case discussions.

Oktay Demirkıran, MD. Prof. - *Intensivist*
Istanbul Univ Cerrahpasa Medical Faculty Hospital
Department of Anaesthesiology and Reanimation
Intensive Care Unit

Gönül Tezcan Keleş, MD. Prof. - *Intensivist*
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Antalya Kepez State Hospital
Department of Anaesthesiology and Reanimation
Intensive Care Unit

Babatunde Osinaike, MD. Prof. - *Intensivist*
President
Intesive and Critical Care Society of Nigeria

Gen Shina Ogunbiyi mni, MD. Prof. - *Intensivist*
Immediate Past-President
Intesive and Critical Care Society of Nigeria

Irene Akhideno, MD. Prof. - *Intensivist*
Secretary
Intesive and Critical Care Society of Nigeria

Lenght and Language

13 hours (theoretical lectures + interactive learning + dry-lab: case discussions)

The course official language is **English**.

Endorsed by (in progress)



Accredited by (13 CME credits)



In Collaboration with



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FUNDAMENTAL INTENSIVE CARE SUPPORT TRAINING COURSE PROGRAMME

5 June 2024 Wednesday

08:00 - 08:45

Registrations

08:45 - 09:00

Welcome Speeches

SESSION 1

Chairs: Babatunde Osinaike, MD.

09:00 - 09:20

Airway management – difficult airway

Ayça Gümüş, MD.

09:20 - 09:40

Acute respiratory failure – hypoxemia

Akın Bilir, MD.

09:40 - 10:00

Acute respiratory distress syndrome (ARDS)

Fethi Gül, MD.

10:00 - 10:20

Discussion

10:20 - 10:40

Coffee Break

SESSION 2

Chairs: Irene Akhidenko, MD.

10:40 - 11:00

Community acquired pneumonia (CAP)

Ayça Gümüş, MD.

11:00 - 11:20

Acid-base disorders

Asu Özgültekin, MD.

11:20 - 11:40

Invasive mechanical ventilation - I - basic concepts

Fethi Gül, MD.

11:40 - 12:00

Discussion

12:00 - 14:00

Lunch Break

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SESSION 3	Chairs: Babatunde Osinaike, MD.
14:00 - 14:20	Invasive mechanical ventilation - II - modes
	<i>Fethi Gül, MD.</i>
14:20 - 14:40	Non-invasive mechanical ventilation
	<i>Akın Bilir, MD.</i>
14:40 - 15:00	Shock
	<i>Asu Özgültekin, MD.</i>
15:00 - 15:20	Discussion

15:20 - 15:40	Coffee Break
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SESSION 4	Chairs: Irene Akhideno, MD.
15:40 - 16:00	Haemodynamic management
	<i>Fethi Gül, MD.</i>
16:00 - 16:20	Case study – ARDS / Mechanical Ventilation / ABG
	<i>Asu Özgültekin, MD. - Fethi Gül, MD.</i>
16:20 - 16:40	Wrap up

FUNDAMENTAL INTENSIVE CARE SUPPORT TRAINING COURSE PROGRAMME

6 June 2024 Thursday

SESSION 5 **Chairs:** *Babatunde Osinaike, MD.*

09:00 - 09:20 **Basic and advanced life support**

Oktay Demirkıran, MD.

09:20 - 09:40

Coma and disorders of consciousness

Gönül Tezcan Keleş, MD.

09:40 - 10:00

Brain death diagnosis

Asu Özgültekin, MD.

10:00 - 10:20

Donor management

Oktay Demirkıran, MD.

10:20 - 10:40

Discussion

10:40 - 11:00

Coffee Break

SESSION 6 **Chairs:** *Irene Akhidenó, MD.*

11:00 - 11:20

Acute renal failure

Gönül Tezcan Keleş, MD.

11:20 - 11:40

Acute liver failure

Ayça Gümüő, MD.

11:40 - 12:00

Pancreatitis

Akın Bilir, MD.

12:00 - 12:20

Discussion

12:20 - 14:00

Lunch Break

FUNDAMENTAL INTENSIVE CARE SUPPORT TRAINING COURSE PROGRAMME

6 June 2024 Thursday

SESSION 7	Chairs: Babatunde Osinaike, MD.
14:00 - 14:20	Sepsis: epidemiology and definition
	<i>Oktay Demirkıran, MD.</i>
14:20 - 14:40	Sepsis: treatment
	<i>Oktay Demirkıran, MD.</i>
14:40 - 15:00	Bleeding and thrombosis: DIC (Disseminated Intravascular Coagulation)
	<i>Ayça Gümüő, MD.</i>
15:00 - 15:20	Blood transfusion and complications
	<i>Gönül Tezcan Keleş, MD.</i>
15:20 - 15:40	Nutrition in the ICU
	<i>Asu Özgültekin, MD.</i>
15:40 - 16:00	Discussion

16:00 - 16:20	Coffee Break
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SESSION 8	Chairs: Irene Akhideno, MD.
16:20 - 16:40	Major trauma
	<i>Akın Bilir, MD.</i>
16:40 - 17:00	Traumatic brain injury
	<i>Gönül Tezcan Keleş, MD.</i>
17:00 - 17:20	Case study - Sepsis
17:20 - 17:40	Wrap up

FUNDAMENTAL INTENSIVE CARE SUPPORT TRAINING COURSE PROGRAMME

7 June 2024 Friday

SESSION 9 Chairs: *Babatunde Osinaike, MD.*

09:00 - 09:20

Intensive care organization

Gönül Tezcan Keleş, MD.

09:20 - 09:40

Overview of ICU and specialty programme in Nigeria

Gen Shina Ogunbiyi mni, MD.

09:40 - 10:00

Overview of ICU and specialty programme in Turkiye

Oktay Demirkıran, MD.

10:00 - 10:20

Green ICU

Asu Özgültekin, MD.

10:20 - 10:40

Wrap up

10:40 - 11:00

Closing remarks and certificates

