

COURSE OVERVIEW HE1783

Advanced Cardiovascular Life Support (ACLS) for Doctors

Course Title

Advanced Cardiovascular Life Support (ACLS) for Doctors

Course Date/Venue

Session 1: November 05-09, 2023/Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE

Session 2: January 14-18, 2024/Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE

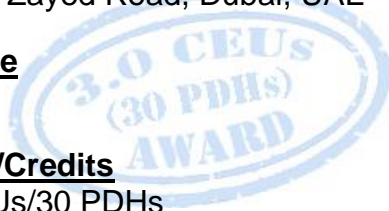


Course Reference

HE1783

Course Duration/Credits

Five days/3.0 CEUs/30 PDHs



Course Description



This practical and highly-interactive course includes various practical sessions and exercises. Theory learnt will be applied using one of our state-of-the-art first aid simulators.



This course is designed to provide participants with a detailed and up-to-date overview of Advanced Cardiovascular Life Support (ACLS) for Doctors. It covers the role of ACLS in patient outcomes; the roles and responsibilities of doctors in ACLS situations; the BLS principles as a foundation for ACLS including CPR and AED usage; the key changes in ACLS from BLS and the systematic approach to patient care in ACLS; the ACLS algorithms for various cardiac conditions; and the bradycardia and tachycardia algorithms, cardiac arrest algorithms and post-cardiac arrest care algorithm.



Further, the course will also discuss the drugs commonly used in ACLS and their roles including epinephrine, amiodarone and atropine; the advanced airway techniques covering endotracheal intubation and use of supraglottic devices; the ACLS techniques for special situations comprising of stroke, acute coronary syndromes, and opioid overdose; using capnography in ACLS to assess ventilation and circulation; and managing a patient during cardiac arrest, including alternating CPR with defibrillation and drug administration.

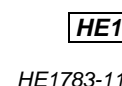


During this interactive course, participants will learn the post-arrest care covering considerations and interventions following return of spontaneous circulation (ROSC); the specific roles and responsibilities of team leaders and members in a resuscitation effort; the effective communication techniques during resuscitation; the importance of debriefing after resuscitation attempts and providing/receiving constructive feedback; and the team-based resuscitation scenarios and detailed care sequence resuscitation including intervention and intensive care.

Course Objectives

Upon the successful completion of this course, each participant will be able to:-

- Apply and gain an in-depth knowledge on advanced cardiovascular life support (ACLS) for doctors
- Discuss the importance of advanced cardiovascular life support (ACLS) and the role it plays in patient outcomes
- Identify the roles and responsibilities of doctors in ACLS situations and review BLS principles as a foundation for ACLS including CPR and AED usage
- Discuss the key changes in ACLS from BLS and the systematic approach to patient care in ACLS
- Assume ACLS algorithms for various cardiac conditions
- Recognize bradycardia and tachycardia algorithms, cardiac arrest algorithms and post-cardiac arrest care algorithm
- Identify the drugs commonly used in ACLS and their roles including epinephrine, amiodarone and atropine
- Perform advanced airway techniques covering endotracheal intubation and use of supraglottic devices as well as ACLS techniques for special situations comprising of stroke, acute coronary syndromes, and opioid overdose
- Use capnography in ACLS to assess ventilation and circulation and manage a patient during cardiac arrest, including alternating CPR with defibrillation and drug administration
- Apply post-arrest care covering considerations and interventions following return of spontaneous circulation (ROSC)
- Identify the specific roles and responsibilities of team leaders and members in a resuscitation effort
- Employ effective communication techniques during resuscitation and explain the importance of debriefing after resuscitation attempts and provide/receive constructive feedback
- Apply team-based resuscitation scenarios and detailed care sequence resuscitation including intervention and intensive care





Exclusive Smart Training Kit - H-STK®



Participants of this course will receive the exclusive “Howard Smart Training Kit” (H-STK®). The H-STK® consists of a comprehensive set of technical content which includes **electronic version** of the course materials, sample video clips of the instructor’s actual lectures & practical sessions during the course conveniently saved in a **Tablet PC**

Who Should Attend

This course provides an overview of all significant aspects and considerations of advanced cardiovascular life support (ACLS) for doctors, emergency and medical services staff, HSE and all employees who want to respond to medical emergencies in the office, in/around a vehicle, or in the field.

Training Methodology

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:-

- 30% Lectures
- 20% Workshops & Work Presentations
- 30% Case Studies & Practical Exercises
- 20% Software, Simulators & Videos

In an unlikely event, the course instructor may modify the above training methodology before or during the course for technical reasons.

Course Fee

US\$ 5,500 per Delegate + **VAT**. This rate includes H-STK® (Howard Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Accommodation

Accommodation is not included in the course fees. However, any accommodation required can be arranged at the time of booking



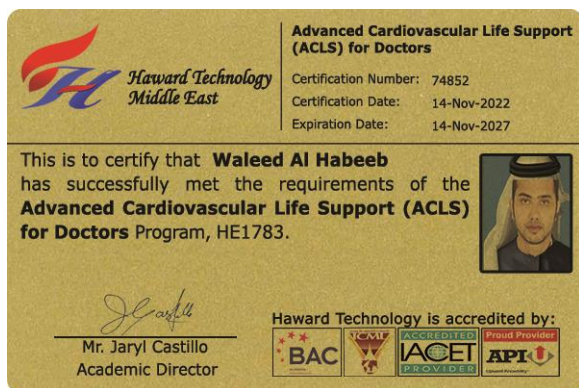
Course Certificate(s)

- (1) Internationally recognized Wall Competency Certificates and Plastic Wallet Card Certificates will be issued to participants who completed a minimum of 80% of the total tuition hours and successfully passed the exam at the end of the course. Certificates are valid for 5 years.

Recertification is FOC for a Lifetime.

Sample of Certificates

The following are samples of the certificates that will be awarded to course participants:-





- (2) Official Transcript of Records will be provided to the successful delegates with the equivalent number of ANSI/IACET accredited Continuing Education Units (CEUs) earned during the course

* Haward Technology * CEUs * Haward Technology * CEUs * Haward Technology * CEUs * Haward Technology *



Haward Technology Middle East
Continuing Professional Development (HTME-CPD)

CEU Official Transcript of Records



TOR Issuance Date: 14-Nov-22

HTME No. 74852

Participant Name: Waleed Al Habeeb

Program Ref.	Program Title	Program Date	No. of Contact Hours	CEU's
HE1783	Advanced Cardiovascular Life Support (ACLS) for Doctors	November 10-14, 2022	30	3.0

Total No. of CEU's Earned as of TOR Issuance Date

3.0

TRUE COPY

Jaryl Castillo
Academic Director

Haward Technology has been approved as an Authorized Provider by the International Association for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this approval, Haward Technology has demonstrated that it complies with the ANSI/IACET 1-2013 Standard which is widely recognized as the standard of good practice internationally. As a result of their Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for programs that qualify under the ANSI/IACET 1-2013 Standard.

Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking Continuing Education Units (CEUs) in accordance with the rules & regulations of the International Association for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

Haward Technology is accredited by



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Certificate Accreditations


Certificates are accredited by the following international accreditation organizations: -

- 
The International Accreditors for Continuing Education and Training (IACET - USA)

Haward Technology is an Authorized Training Provider by the International Accreditors for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this authority, Haward Technology has demonstrated that it complies with the **ANSI/IACET 2018-1 Standard** which is widely recognized as the standard of good practice internationally. As a result of our Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for its programs that qualify under the **ANSI/IACET 2018-1 Standard**.

Haward Technology’s courses meet the professional certification and continuing education requirements for participants seeking **Continuing Education Units (CEUs)** in accordance with the rules & regulations of the International Accreditors for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

Haward Technology Middle East will award **3.0 CEUs** (Continuing Education Units) or **30 PDHs** (Professional Development Hours) for participants who completed the total tuition hours of this program. One CEU is equivalent to ten Professional Development Hours (PDHs) or ten contact hours of the participation in and completion of Haward Technology programs. A permanent record of a participant’s involvement and awarding of CEU will be maintained by Haward Technology. Haward Technology will provide a copy of the participant’s CEU and PDH Transcript of Records upon request.

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British Accreditation Council (BAC)

Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. BAC is the British accrediting body responsible for setting standards within independent further and higher education sector in the UK and overseas. As a BAC-accredited international centre, Haward Technology meets all of the international higher education criteria and standards set by BAC.





Course Instructor(s)

This course will be conducted by the following instructor(s). However, we have the right to change the course instructor(s) prior to the course date and inform participants accordingly:



Dr. Ahmad Al-Manshawi, MSc, BSc, is a Senior Medical & HSE Consultant with over 30 years of extensive experience. His specialization covers the areas of First Aid, CPR, Infection Control (IC), Advanced Cardiovascular Life Support (ACLS), Advanced Trauma Life Support (ATLS), Electrocardiogram (ECG), Critical Care Support (CCS), HeartSaver (HSAED) & First Aid, Pediatric Advanced Life Support (PALS), Basic Life Support (BLS), Pharmacology, Medical Management & Support, Medical Surveillance, Human Factors in Medicine, Paramedic Training, Pre-Hospital Emergency Case, Pediatric Life Support, Medical Emergencies and Pain Management. He is currently working in King Hussein Cancer Center (KHCC) as the Life Support & Staff Educator. Moreover, he is a Training Program Designer & Assessor, National Examiner as well as a Certified Educator & Assessor of all Life Support courses such as IC, BLS, ACLS, PALS, TLS, ECG and HSAED & First Aid that are affiliated with the American Heart Association (AHA).

During his long career life, Mr. Ahmad worked as the **Deputy Head of TSDD, Chief Clinical Instructor, Lecturer/Instructor, Technical Consultant, Life Support Training Officer & Staff Educator, Part-Time Lecturer/Instructor, Adult Intensive Care Course Officer/Consultant, National/Local Examiner, ICU/OJT, Head of Training & Staff Development Unit, Nursing Manager, Senior Staff Nurse, Clinical Supervisor, Ward Nurse and Staff Nurse from the LSTC-KHCC, TC-KHCC, Khoula Hospital, Sulta Qaboos University, Oman Specialized Nursing Institute, Sohar Hospital, Amman Surgical Hospital, Al Quads Hospital, Jordan University Hospital and Farah Rehabilitation Centre.** Further, he has developed new projects and courses depending on his assessment and the learning needs requirements of various university hospitals.

Mr. Ahmad is a **Registered Nurse**, currently taking a **PhD in Psychology Counselling** and has **Master and Bachelor** degrees in **Nursing**. Further, he has undergone a **Fellowship Critical Care** course from the **Mayo Clinic (USA)**, obtained several certifications and appointed as a **Territory Faculty for ACLS, BLS and PALS; a Certified ECG, Pharmacology & Airway Management Facilitator; and a Heartsaver/First Aid/CPR/AED Instructor.** Moreover, he is a **Certified Instructor/Trainer, a Certified Internal Verifier/Assessor/Trainer** by the **Institute of Leadership & Management (ILM)** and a well-regarded member of the **National Accreditation Committee for Training Center** and the **Accreditation of Life Support Training Centres Committee.** He has delivered immeasurable trainings, courses, workshops and conferences worldwide.



Course Program

The following program is planned for this course. However, the course instructor(s) may modify this program before or during the course for technical reasons with no prior notice to participants. Nevertheless, the course objectives will always be met:

Day 1: Introduction to ACLS & BLS Review

0730 – 0800	Registration & Coffee
0800 – 0815	Welcome & Introduction
0815 – 0830	PRE-TEST
0830 – 0930	Understanding ACLS: Introduction to Advanced Cardiovascular Life Support (ACLS), its Importance & the Role it Plays in Patient Outcomes
0930 – 0945	Break
0945 – 1030	Roles & Responsibilities in ACLS: Overview of the Roles & Responsibilities of Doctors in ACLS Situations
1030 – 1130	Basic Life Support (BLS) Review: Review of BLS Principles as a Foundation for ACLS, Including CPR & AED Usage
1130 – 1230	Key Changes in ACLS from BLS: Discussion on the Progression from BLS to ACLS & how Practices Differ
1230 – 1245	Break
1245 – 1345	Systematic Approach to ACLS: Introduction to the Systematic Approach to Patient Care in ACLS
1345 – 1420	Introduction to ACLS Algorithms: Overview of the ACLS Algorithms for Various Cardiac Conditions
1420 – 1430	Recap
1430	Lunch & End of Day One

Day 2: ACLS Algorithms & Pharmacology

0730 – 0830	Bradycardia & Tachycardia Algorithms: Detailed Walkthrough of the ACLS Algorithms for Bradycardia & Tachycardia
0830 – 0930	Cardiac Arrest Algorithms: Overview of the ACLS Algorithms for Cardiac Arrest, Including Ventricular Fibrillation & Pulseless Ventricular Tachycardia
0930 – 0945	Break
0945 – 1100	Post-Cardiac Arrest Care Algorithm: Understanding of the Algorithm for Managing Patients After Cardiac Arrest
1100 – 1230	ACLS Pharmacology: Overview of Drugs Commonly Used in ACLS & their Roles, Including Epinephrine, Amiodarone & Atropine
1230 – 1245	Break
1245 – 1345	Practical Scenarios: Participants Practice Applying Algorithms to Simulated Patient Scenarios
1345 – 1420	Skills Assessment: Evaluation of Participant's Understanding of ACLS Algorithms Through Hands-on Skill Assessment
1420 – 1430	Recap
1430	Lunch & End of Day Two

Day 3: Airway Management & ACLS Special Situations

0730 – 0830	Advanced Airway Management: Detailed Overview of Advanced Airway Techniques, such as Endotracheal Intubation & Use of Supraglottic Devices
0830 – 0930	ACLS in Special Situations: Discussion of ACLS Techniques for Special Situations such as Stroke, Acute Coronary Syndromes & Opioid Overdose
0930 – 0945	Break





0945 - 1100	Capnography in ACLS: Understanding the Use of Capnography in ACLS to Assess Ventilation & Circulation
1100 - 1230	Intra-Arrest Care: Understanding how to Manage a Patient During Cardiac Arrest, Including Alternating CPR with Defibrillation & Drug Administration
1230 - 1245	Break
1245 - 1345	Post-Arrest Care: Overview of Considerations & Interventions Following Return of Spontaneous Circulation (ROSC)
1345 - 1420	Case-Based Scenarios: Participants Work Through Case-Based Scenarios to Apply their Learning
1420 - 1430	Recap
1430	Lunch & End of Day Three

Day 4: Effective Resuscitation Team Dynamics

0730 - 0830	Team Leader & Member Roles: Understanding the Specific Roles & Responsibilities of Team Leaders & Members in a Resuscitation Effort
0830 - 0930	Communication During Resuscitation: Learning Effective Communication Techniques to be Used During a Resuscitation Effort
0930 - 0945	Break
0945 - 1100	Debriefing & Feedback: Importance of Debriefing After Resuscitation Attempts & Providing/Receiving Constructive Feedback
1100 - 1230	Team-Based Scenarios: Participants Practice their Roles in Team-Based Resuscitation Scenarios
1230 - 1245	Break
1245 - 1345	Integrated Post-Cardiac Arrest Care: Detailed Walkthrough of the Care Sequence After Successful Resuscitation, Including Early Intervention & Intensive Care
1345 - 1420	Skills Assessment: Evaluation of Participant's Ability to Function as Part of a Resuscitation Team
1420 - 1430	Recap
1430	Lunch & End of Day Four

Day 5: ACLS Review & Exam

0730 - 0830	Comprehensive ACLS Review: Comprehensive Review of all ACLS Algorithms, Pharmacology & Airway Management Techniques
0830 - 0930	Special Situations Review: Recap of ACLS in Special Situations such as Stroke, Acute Coronary Syndromes & Opioid Overdose
0930 - 0945	Break
0930 - 1030	Resuscitation Team Dynamics Review: Review of the Principles of Effective Communication & Teamwork in a Resuscitation Scenario
1030 - 1130	ACLS Written Exam: Written Assessment of Participants' Understanding of ACLS Principles & Techniques
1130 - 1215	ACLS Skills Exam: Hands-on Assessment of Participants' ACLS Skills in Simulated Patient Scenarios
1215 - 1230	Break
1230 - 1300	Course Wrap-up and Q&A: Summary of Key Course Concepts, Discussion of Ways to Continue Learning & Improving ACLS Skills and Q&A Session
1300 - 1315	Course Conclusion
1315 - 1415	COMPETENCY EXAM
1415 - 1430	Presentation of Course Certificates
1430	Lunch & End of Course



Simulator (Hands-on Practical Sessions)

Practical sessions will be organized during the course for delegates to practice the theory learnt. Delegates will be provided with an opportunity to carryout various exercises using one of our state-of-the-art simulators “Airway Larry” LF03699U, CPR Manikin Adult with dress (ROC), Manikin Basic Adult (Simulaids-USA), CPR and Pocket Mask Adult (Spencer) and AED Trainer 2 (Philips).



“Airway Larry” LF03699U



CPR Manikin Adult with dress (ROC)



Manikin Basic Adult (Simulaids-USA)



CPR and Pocket Mask Adult (Spencer)



AED Trainer 2 (Philips)

Course Coordinator

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