

REGISTRATION

Cardiac Surgical Unit-Advanced Life Support (CSU-ALS) Provider Course

Complete form and email to csu-als@umm.edu or fax to 410-328-7800.

Attention: CSU-ALS Provider Course or Cardiac Surgery Resuscitation Program

Select preferred date:

- MARCH 6, 2019 JUNE 10, 2019 SEPTEMBER 9, 2019
 APRIL 15, 2019 AUGUST 12, 2019 NOVEMBER 11, 2019

NAME

TITLE

ADDRESS

CITY STATE ZIP

PHONE NUMBER

EMAIL ADDRESS

EMPLOYER/INSTITUTION

UNIT

Payment:

CHECK # AMOUNT

Please make checks payable to: UMMC/STC

Drop-off or Mail to: UMMC – CSU-ALS Program
c/o Rick Bell Program Director
6th Floor, Weinberg Bldg., Rm. W6L611
22 South Greene Street
Baltimore, MD 21201

To pay by credit card visit:
www.umm.edu/programs/shock-trauma/professionals/division-of-critical-care-and-trauma-education

PREREQUISITE

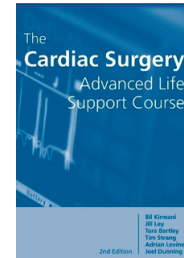
ACLS (Advanced Cardiac Life Support) Course

PREPARATION

Attire: Scrubs or business casual is appropriate attire. Jeans and open-toed shoes are not allowed.

Materials:

The Cardiac Surgery Advanced Life Support Course Booklet (Booklet, pictured right, is included with the price of the course.)



CALS Demonstration Video

www.youtube.com/watch?v=PHgYZDgQJgc

The Society of Thoracic Surgeons Expert Consensus for the Resuscitation of Patients Who Arrest After Cardiac Surgery by Dunning et al
www.sts.org/sites/default/files/documents/ExpertConsensus_ResuscitationAfterCardiacSurgery.pdf
csu-als.org

University of Maryland Medical Center is an approved provider of continuing nursing education by the Maryland Nurses Association, an accredited approver by the American

Endorsed by:



The Society of Thoracic Surgeons



UNIVERSITY of MARYLAND
HEART & VASCULAR CENTER

DIVISION OF CARDIAC SURGERY

Cardiac Surgery Intensive Care Unit
22 South Greene Street
6th Floor, Weinberg Building
Baltimore, MD 21201
Phone: 410-328-0615
Fax: 410-328-7800
csu-als@umm.edu



University of Maryland Medical Center
Heart and Vascular Center

Cardiac Surgical Unit-Advanced Life Support (CSU-ALS) Provider Course

Cardiac Surgery Critical Care Services | Formerly Known as CALS



UNIVERSITY of MARYLAND
HEART & VASCULAR CENTER

DIVISION OF CARDIAC SURGERY

Cardiac Surgical Unit-Advanced Life Support (CSU-ALS) Provider Course

Formerly CALS



COURSE DESCRIPTION

In 2003, a group of dedicated UK surgeons embarked upon the development of resuscitation protocols designed specifically for postoperative cardiovascular surgical (CVS) patients. After conducting an exhaustive literature analysis, surgeon surveys and clinical practicums, they created the Cardiac Surgical Unit Advanced Life Support (CSU-ALS) course. In 2009, these physicians partnered with Jill Ley, RN, of Sutter Health (San Francisco, CA) to create a one-day intensive program for the USA (formerly called Cardiac Advanced Life Support – Surgical or CALS-S) that addressed appropriate management of postoperative decompensation and emergency re sternotomy, using a common language for all providers. This approach has been accepted as the official protocol in Europe since 2010, and has been endorsed by the Society of Thoracic Surgeons (STS) as of February 2017 for use in the United States.

This course is designed for RNs, RTs, NPs, PAs, and MDs who wish to learn a novel, evidence-based approach to the resuscitation of postoperative heart patients. Using a format similar to Advanced Cardiac Life Support (ACLS), this program will include didactic lectures as well as hands-on practice with emergency pacing, internal and external defibrillation, and utilization of state of the art simulation through our Shock Trauma Center Simulation Lab.

COURSE OBJECTIVES

- Identify unique features of the cardiac surgery patient that warrant modifications to standard resuscitation technique
- Distinguish critical differences between protocols for ACLS versus CSU-ALS
- Describe the STS standardized protocol for management of a cardiac arrest in a cardiac surgery patient
- Discuss 5-Point Plan
- Demonstrate successful CSU-ALS re sternotomy within 5 minutes

FEES

UMMS Personnel: (including St. Joseph Medical Center, Prince George's Hospital Center): \$400

Non-UMMS Personnel: \$500

Fee Includes: continental breakfast, lunch, CSU-ALS book, 7.5 CEUs and certificate of completion.

LOCATION

University of Maryland Medical Center
22 South Greene Street
R Adams Cowley Shock Trauma Center
Center for Critical Care and Trauma Education
1st Floor, Conference Room T1S11
Baltimore, MD 21201

Refer to hospital map for all parking options.

TIME

7:45 – 8:00 am

Registration & Breakfast

8:00 am – 5:00 pm

Course

No credit will be given prior to the conclusion of the course.

AGENDA

TIME	TOPIC
7:45 – 8:00 am	REGISTRATION & REFRESHMENTS
8:00 – 9:00 am	The STS Guideline for Resuscitation of Patients Who Arrest After Cardiac Surgery
9:00 – 10:00 am	PRACTICUM • Cardiac Arrest Management with Chest Opening
10:00 – 10:15 am	BREAK
10:15 – 11:45 am	MANAGEMENT OF CARDIAC SURGICAL EMERGENCIES • Hypotension & Arrhythmias • The 5-Point Plan • Epicardial Pacing Essentials
11:45 am – 12:30 pm	EMERGENCY CARE PRACTICUMS Clinical Scenarios I
12:30 – 1:15 pm	LUNCH
1:15 – 2:00 pm	Human Factors in Cardiac Surgery
2:00 – 3:30 pm	EMERGENCY CARE PRACTICUMS • Clinical Scenarios II • Sterile Technique
3:30 – 3:45 pm	BREAK
3:45 – 4:15 pm	PUTTING IT ALL TOGETHER
4:15 – 4:45 pm	FINAL CARDIAC ARREST MOULAGE • Cardiac Arrest Management with Chest Opening
4:45 – 5:00 pm	Summary & Evaluations