**BJH & WashU EMS Critical Care Symposium**

**Date/Time:** Monday - October 25, 2021, 8am - 4pm

**Location:** Mid Campus Center at Barnes/WashU (4590 Children’s Pl, St. Louis, MO 63110)
MCC Rooms 5101 (seats 16), 5102 (12), 5103 (12), 5104 (34), 5105 (30), 6104 (32)

**Audience:** Emergency Medicine, Critical Care & EMS providers: Paramedics, MD, NP, PA, RN/BSN
Current total capacity 136, but this will depend on covid-19 restrictions

**General Information:** This will be a hands-on conference where people can walk around and go session to session, each session will be around 25 - 50 minutes w/ 5-10 learners per sessions.

**Cost:** $15.00 per attendee includes food (tentative until finalized – early registration will be honored at this price)

**Schedule:**
08:00 – 08:50 - Opening lecture and introduction to the conference (people will be split into groups).
- Breakfast (provided)
09:00 – 09:50 - Session 1 (Stations can last 25 - 50 minutes so students may do 1-2 stations per session)
10:00 – 10:50 - Session 2
11:00 – 11:50 - Session 3
12:00 – 12:50 - Lunch (provided)
13:00 – 13:50 - Session 4
14:00 – 14:50 - Session 5
15:00 – 15:50 - Session 6

**Educational Stations:**

- **ECMO**
  - Live Maquet & Centrimag ECMO set ups
  - Indications for ECMO & how it works
  - Basic troubleshooting

- **Impella**
  - Live device demo with indications & uses
  - Troubleshooting and tips/tricks for transport

- **VADs**
  - Heart Mate II & III along w/ Heart Ware HVAD simulator
  - Live patients with actual implanted LVADs to interact with

- **Intra-Aortic Balloon Pumps**
  - What it is, how it works, troubleshooting
  - Tips and tricks for EMS and transport

- **Trans Venous Pacers**
  - Simulator on how to float one
  - How to hook it up and adjust settings

- **Ventilator**
  - Hands on setting manipulation
  - Alarms
  - ARDS management
  - Hands on Proning workshop

- **Transesophageal Echo**
  - Basic views & manipulation
  - Cardiac arrest management
• **Transthoracic Echo**
  o Rapid Ultrasound in Hypotension (RUSH Exam)
    ▪ Pneumothorax, tamponade, PE, Dissection, Shock etc...

• **Procedure Lab:**
  o Cricothyrotomy
  o Tracheostomy
  o Chest tube insertion
  o Central line insertion
  o Arterial line insertion

• **Equipment**
  o End tidal CO$_2$ interpretation, set up and trouble shooting
  o Arterial line set up, trouble shooting and Interpretation
  o PA catheter waveforms
  o General monitor manipulation (pacer mode & data manipulation)

• **Medications**
  o Vasoactive agents (pressors, pump setup & inotropes)
  o Sedation & paralytics (Dosing & how to test twitches)
  o inhaled pulmonary vasodilators.

**Conference Coordinators & Contact:**

**Amjad Musleh, MD**  
Assistant Professor of Emergency Medicine  
Emergency Medical Services & Critical Care  
Washington University of St. Louis  
Departments of Emergency Medicine & Anesthesiology  
*Medical Director, BJH Acute Care Team*  
*Medical Director, Des Peres Department of Public Safety*  
*Medical Director, Jefferson County CC Paramedic Program*  
Amjad@wustl.edu, (505) 450-8220

**Mary Sullivan, RN, MSN, AGACNP-BC, CCRN**  
Cardiothoracic Intensive Care Unit  
Advanced Practice Provider Leadership  
Department of Anesthesiology  
Washington University School of Medicine  
*660 S Euclid Avenue*  
*Campus Box 8054*  
*St Louis, MO 63110-1010*

Mary.sullivan@wustl.edu, (314) 348-6079