



MGH 5C: Concepts in Contemporary Critical Care Cardiology

May 13, 2022		
7:30 am	7:35 am	Welcome and Introduction <i>David M. Dudzinski, MD, Ivana Nikolic, MD and Emily Zern, MD</i>
Section I: Imaging and Initial Hemodynamic Management of the Cardiac Critical Care Patient Moderators: Dr. David M. Dudzinski, Dr. Sunu S. Thomas		
7:35 am	7:50 am	Contemporary Cardiac Critical Care; Trends, Importance of Non-Cardiac Comorbidities in Modern Cardiac Critical Care <i>David M. Dudzinski, MD</i>
7:50 am	8:05 am	Shock Phenotypes, Vasoactive Agents for Complex Cardiovascular Scenarios <i>Sunu S. Thomas, Yvonne Lai MD</i>
8:05 am	8:20 am	Critical Care Echocardiography and Ultrasonography <i>Jona Ludmir MD, Aranya Bagchi, MD</i>
8:20 am	8:35 am	CPB, Postoperative Monitoring and Management <i>Michael Fitzsimons MD</i>
8:35 am	8:55 am	Panel Discussion: Imaging and Initial Hemodynamic Management of the Cardiac Critical Care Patient <i>David M. Dudzinski, MD, Sunu S. Thomas MD, Yvonne Lai MD, Jona Ludmir MD, Aranya Bagchi, MD, Michael Fitzsimons MD</i>
Section II: Critical Heart and Lung Interactions in Critical Cardiac Patients Moderators: Dr. Ivana Nikolic, Dr. Marvin Chang		
9:00 am	9:15 am	Ventilation: Managing ARDS and Refractory Hypoxemia <i>Susan R. Wilcox, MD</i>
9:15 am	9:30 am	Cor Pulmonale and Ventricular Interdependence: Optimizing RV and LV Interactions <i>Aranya Bagchi, MD</i>
9:30 am	9:45 am	Intensive Care Management of COVID-19 <i>Kathryn A. Hibbert MD</i>
9:45 am	10:00 am	ECMO: VV, VA, VAV, and more <i>Jerome Crowley, MD</i>
10:00 am	10:20 am	Panel Discussion: Critical Heart and Lung Interactions in Critical Care Patients <i>Ivana Nikolic MD, Susan R. Wilcox MD, Aranya Bagchi MD, Kathryn A. Hibbert MD, Jerome Crowley MD, Danielle Doucette, RRT</i>
10:20 am	10:35 am	BREAK

Section III: Hemodynamic Mechanical Supports in the Cardiac Critical Care Units Moderators: Dr. Emily Zern, Dr. Ashishana Osho		
10:35 am	10:50 am	Cardiac Arrest: Evidence-based Management <i>Michael G. Silverman, MD</i>
10:50 am	11:05 am	Percutaneous VAD and MCS: Overview and Indications <i>Ivana Nikolic MD</i>
11:05 am	11:20 am	Care of the Immediate post-VAD and post-Transplant Patients <i>Richard Pierson III, MD, Van-Khue Ton, MD</i>
11:20 am	11:35 am	Challenging Cases from the MGH Cardiac Critical Care Units (with ARS) and Case Discussion <i>Emily Zern, MD</i>
11:35 am	12:00 pm	Roundtable on Management of Challenging Cases, and Panel Discussion Hemodynamic Mechanical Supports in the Cardiac Critical Care Units <i>Emily Zern MD, Sunu S. Thomas MD, Michael G. Silverman MD, Jerome Crowley MD, Ivana Nikolic MD, Van-Khue Ton MD, Richard Pierson III MD,</i>
12:00 pm	12:45 pm	Lunch (Break out Rooms for Discussion [cases, jobs, administration] or Sponsor Displays?)
Section IV: Cardiovascular Comorbidities in the Cardiac Care Units Moderators: Dr. Ivana Nikolic, Dr. Adil Yunis		
12:45 pm	1:00 pm	Critical Care of Post-Transcatheter Therapy Patients and Acute Valvular Emergencies <i>Evin Yucel MD</i>
1:00 pm	1:15 pm	Tachyarrhythmia and Bradyarrhythmia in Cardiac Critical Care <i>Rajeev Malhotra MD</i>
1:15 pm	1:30 pm	Vascular Complications in Cardiac Critical Care: Limb Ischemia, Mesenteric Ischemia <i>Jahan Moheballi MD</i>
1:30 pm	1:50 pm	Panel Discussion: Cardiovascular Comorbidities in the Cardiac Critical Care Units <i>Ivana Nikolic MD, Rajeev Malhotra MD, Evin Yucel MD, Jahan Moheballi MD, Edmond Solomon, PharmD</i>
Section V: Non-Cardiac Comorbidities in the Cardiac Critical Care Units Moderators: Dr. Emily Zern, Dr. Denis Lu		
1:55 pm	2:10 pm	Sepsis and ICU Infection Update <i>Lisa Bebell MD</i>
2:10 pm	2:25 pm	Acute Kidney Injury and Renal Replacement Therapy <i>Mark Wong MD</i>
2:25 pm	2:40 pm	Delirium: Rational Approaches to Sedation and Neurologic Management <i>Kenneth T. Shelton, MD</i>
2:40 pm	3:00 pm	Panel Discussion: Optimizing Care of Non-Cardiac Comorbidities in Cardiac Critical Care <i>Emily Zern MD, Lisa Bebell MD, Mark Wong MD, Kenneth T. Shelton, MD</i>
3:00 pm	3:15 pm	BREAK
Section VI: Optimizing Practice in Cardiac Critical Care Units Moderators: Dr. David M. Dudzinski, Dr. Kelly Tankard		
3:15 pm	3:30 pm	Top Recent Papers in Critical Care Cardiology from AHA, ACC, ESC, SCCM, SCA, ASA, AATS, STS, ATS <i>Ashishana Osho MD, Jona Ludmir MD, Adil Yunis MD</i>
3:30 pm	3:45 pm	Rapid Evidence Reviews and Best Practices: Nutrition, Quality Bundles, Transfusion, Glycemic Control, Prophylaxis <i>Sadeq Quraishi MD, Jenna Cottral MD, Kelly Tankard MD, Moriah Jacobellis</i>

		<i>NP</i>
3:45 pm	4:00 pm	CICU 2030: Artificial Intelligence and Remote Monitoring <i>Aaron D. Aguirre, MD</i>
4:00 pm	4:20 pm	Panel: Optimizing Practice in Cardiac Critical Care Units <i>David M. Dudzinski MD, Aaron D. Aguirre, MD, Sadeq Quraishi MD, Jenna Cottral MD, Ashishana Osho MD, Adil Yunis MD, Jona Ludmir MD, Kelly Tankard MD, Moriah Jacobellis NP, HCICU RN (TBD)</i>
Section VII: Case Records of the MGH Heart Center ICU		
4:20 pm	5:20 pm	<i>New England Journal of Medicine</i> Presents: Case Records of the MGH Heart Center ICU <i>David M. Dudzinski, MD and 5C Faculty</i>
5:20 pm	5:25 pm	Conclusion <i>David M. Dudzinski, MD, Ivana Nikolic MD, Emily Zern MD</i>