

Abirami Kumaresan, MD
CURRICULUM VITAE

Personal History

Business Address: Cedars-Sinai Heart Institute
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Date of Birth: August 7, 1986

Place of birth: Wakefield, Rhode Island

Citizenship: United States of America

Marital status: Married

Languages: English

Education

2003-2008 B.A, Biological Sciences
University of Rhode Island
Rhode Island

2003-2008 B.S, Applied Mathematics with Minor in Physics
University of Rhode Island
Rhode Island

2008-2012 M.D, Medicine
Boston University School of Medicine
Boston Massachusetts

2012-2013 Internship, Transitional Year
Cambridge Health Alliance
Cambridge, Massachusetts

2013-2016 Residency, Anesthesiology
Beth Israel Deaconess Medical Center - Harvard Medical School
Boston, Massachusetts

2015-2016 Chief Residency, Anesthesiology
Beth Israel Deaconess Medical Center - Harvard Medical School
Boston, Massachusetts

2016-2017 Fellowship, Adult Cardiothoracic Anesthesiology
Beth Israel Deaconess Medical Center - Harvard Medical School
Boston, Massachusetts

2017-2018 Fellowship, Anesthesia Critical Care Medicine
Beth Israel Deaconess Medical Center - Harvard Medical School
Boston, Massachusetts

Licensure

2017 California State Medical License

2017 Medical License, Massachusetts Board of Registration in Medicine

Certification

2017 Certified, American Board of Anesthesiology

2017 Advanced PTE Certification National Board of Echocardiography

2018 Certified, Critical Care Medicine

Professional Experience

Current Position

2018 – Present Cardiac Surgery Intensive Care Unit, Heart Institute, Cedars-Sinai Medical Center, Los Angeles, CA

Professional Societies

2016 Member of Society of Cardiovascular Anesthesiologists

2016 Member of Society of Critical Care Medicine

2017 Member of Society of Critical Care Anesthesiology

2017 Diplomate of the American Board of Anesthesiology

Publications in Peer Reviewed Journals

1. Shapeton A, **Kumaresan A**, Mahmood F. Tricuspid Valve Clipping, long term solution or transient technology? *Journal of Cardiothoracic and Vascular Anesthesia* 2017
2. **Kumaresan A**, Bose S. Delayed Seroconversion in a Patient with Heparin Induced Thrombocytopenia, *Journal of Cardiothoracic and Vascular Anesthesia* 2017
3. **Kumaresan A**, Loring S, Gerber R, Talmor D. The Effects of Prone Positioning on Transpulmonary Pressure and End Expiratory Volumes in Patients Without Lung Disease. *Anesthesiology*. March 10 2018
4. **Kumaresan A**, Shapeton A, Hess P. Quantification of Right Ventricular Strain in Othwise Healthy Patruients. Submitted to *British Journal of Anesthesiology*

Reviews, Chapters and Editorials

1. **Kumaresan A**, Ekkehard K, and Bose R. "Anesthetic Management of Supratentorial Tumors." *International Anesthesiology Clinics* 53.1 (2015): 74-86.
2. **Kumaresan A**, Shahzad S. *Perioperative Care of the Elderly Patient*. The Geriatric Patient in the ICU. 2017

Reviews, Chapters and Editorials (Submitted)

1. **Kumaresan A**. "Perioperative use of Echocardiography" Rescue Transesophageal Echocardiography. 2019 (In Press)

Abstracts

1. Karim S, **Kumaresan A**, Troiano E, Mather T. The Molecular Mechanism of Anaplasma marginale- Rhipicephalus microplus cell interaction. University of Rhode Island for Vector Borne Disease, December 2007
2. Segala D, **Kumaresan A**, Vetter F, "Surface strains on the left ventricle of the mouse heart", Poster presented at University of Rhode Island Research week, College of Engineering, Kingston, RI 02881, October 19,2005. Research supported by NSF grant BES-0448050 and RI foundation for medical research

3. Bird D, **Kumaresan A**, Agarwal S. " Ulcer Prophylaxis in Trauma Patients." Abstract for American College of Surgeons 2009
4. **Kumaresan A**, Loring S, Gerber R, Talmor D. The Effects of Prone Positioning on Transpulmonary Pressure and End Expiratory Volumes in Healthy Patients. American Thoracic Society 2016, San Francisco, CA
5. **Kumaresan A**, Hess P. Determining Incidence of Clinically Evident Right Ventricular Strain During Routine Cesarean Section. Society of Cardiovascular Anesthesiologists 2017, Orlando, FL
6. **Kumaresan A**, Panzica P. Interesting Presentation of Heparin Induced Thrombocytopenia after Mitral Valve Replacement. Society of Cardiovascular Anesthesiologists 2017, Orlando, FL
7. Shapeton A, **Kumaresan A**, Mahmood F. Tricuspid Valve Clipping Using MitraClip System. Society of Cardiovascular Anesthesiologists 2017, Orlando, FL
8. **Kumaresan A**, Balachandar S, Talmor D, Shaefi S. Quantification of Changes in Left Ventricular Mass in Critical Illness. Submitted to Society of Critical Care Medicine 2018

Teaching and Lectures

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| 2015 | Resident Orientation: responsible for developing simulation and hands on training session for central line placement, Arterial line placement, room set up and anesthetic pre-operative assessment and plan lecture |
| 2015 | Started the Resident Journal Club: monthly meeting and presentations with Faculty mentor Bose, S MD |
| 2016 | Resident Lecture: Cardiopulmonary Bypass |
| 2016 | Combined Echo Conference: Pre-repair Systolic Anterior Motion of the Mitral Valve |
| 2017 | Resident Lecture: Intra-Aortic Balloon Pump and Ventricular Assist Devices |
| 2017 | Resident Lecture: Hemodynamic monitoring: CVP, PAC and Arterial |
| 2017 | Resident Lecture: Interpretation of Swan Ganz Catheter |
| 2017 | Resident Lecture Understanding Cardiopulmonary Bypass |

2018 Instructor in Resuscitative TEE course. University of Pennsylvania

Honors and Special Awards

2008 National Science Foundation - EPSCOR Fellowship, Dept. of Biological Sciences, University of Rhode Island, Kingston R.I.

2008 Roderick Caldwell Scholarship for Excellence in Mathematics, University of Rhode Island, Kingston R.I.

2016 John Hedley-Whyte Critical Care Award, Dept. of Anesthesia, Critical Care Medicine, Beth Israel Deaconess Medical Center