**Viji Kurup, MBBS, MD, DNB**

Associate Professor,

Director of Departmental Education

Department of Anesthesiology, Yale University School of Medicine

New Haven, CT- USA

**EDUCATION**

**Under-graduate:** Majors- Physics, Chemistry, Biology, Mathematics

H.S.K. Science College, Jul 1985-June 1987

**Medical School:** M.B.B.S. Karnataka Institute of Medical Sciences,

Hubli, Karnataka, India. July 1987-Jan 1993

**Post-Graduation:** MD (Anesthesiology) Karnataka Institute of Medical

Sciences, Hubli, Karnataka, India. Jan 1994-Jan 1997

**CAREER/ACADEMIC APPOINTMENTS**

2000-2001 Internship Griffin Hospital, Derby, CT

2001-2004 Residency, Department of Anesthesiology

Yale University School of Medicine New Haven, CT

2004-2005 Fellowship, Cardio-thoracic anesthesia

Yale University School of Medicine, New Haven, CT

2005-2011 Assistant Professor, Department of Anesthesiology

Yale University School of Medicine, New Haven, CT

2011-Present Associate Professor, Department of Anesthesiology

Yale University School of Medicine, New Haven, CT

2011-2012 Medical Education Fellowship Certification

Yale School of Medicine

2016- Present Reappointed as Associate Professor, Department of Anesthesiology

Yale University School of Medicine, New Haven, CT

2017-Present Section Chief, Division of Medical Education

**ADMINISTRATIVE POSITIONS**

2017-Present Member, EPA Committee, Teaching and Learning Center, Yale

2017- Present Section Chief, Division of Medical Education, Department of Anesthesiology

2017- Present Member, Graduate Medical Education Committee, Yale

2014-Present President, Connecticut State Society of Anesthesiologist

2013-Present Delegate from CT state to ASA House of Delegates

2013- Present Director, [Yale Anesthesia Media Lab](http://medicine.yale.edu/anesthesiology/media/index.aspx)

2012-2014 Vice-President, Connecticut State Society of Anesthesiologists

2010- Present Director, Resident Simulation, Yale Anesthesiology

2005-Present Associate Director of Medical Studies, Yale Anesthesiology

2006–Present Director of Departmental Education, Yale Anesthesiology

2005-2006 Chair of Education Council, Yale Anesthesiology

2008-2012 Program Chair- [Connecticut State Society of Anesthesiologists](http://cssahq.org/)

**BOARD CERTIFICATION**

2005 Licensed Physician in the State of Connecticut- No: 041983

2005 Diplomate of The American Board of Anesthesiology, Recertified in

MOCA until 2026

2005 Board Certified in Transesophageal Echocardiography

1993 Registered Practitioner with the Indian Medical Council

1993 Bachelor of Medicine, Bachelor of Surgery (MBBS), KIMS, India

1997 Diplomate of the National Board of Examinations (DNB), India

**PROFESSIONAL HONORS AND RECOGNITION**

2017 Service appreciation award from the Connecticut State Society of

Anesthesiologists (CSSA) for Outstanding Commitment and Dedication

as President

2016-present Executive board member and Member-at-large of Connecticut Association of Physicians of Indian Origin (CAPI) and website committee member

2014- Present Member, Association of University Anesthesiologists (AUA)

2012 Faculty Award for Excellence in Education and Leadership, Department

of Anesthesiology, Yale University School of Medicine

2008 Faculty Award for Excellence in Education and Leadership, Department

of Anesthesiology, Yale University School of Medicine

2003-2004 Outstanding Resident Award, Yale University School of Medicine

2003-2004 Outstanding Teamwork Award, Department of Ambulatory Anesthesia,

Yale University School of Medicine

2003- 2004 Outstanding Contribution to the Development of Pain Management for

the Year, Yale University School of Medicine

2003-2004 Winner of the Inter-Collegiate Anesthesia Jeopardy Competition at the

CSSA

2000-2001 Intern of the Year Award, Griffin Hospital, Derby, CT

**LECTURES, COURSES AND WEB-BASED EDUCATION**

**International Presentations:**

2017 Invited participant at Preconference workshop to formulate best practices to

involve patients in the Accreditation Council for Continuing Medical Education

at Stanford MedX Ed conference, April 21, 2017.

2017 "Fortifying Medical Education through Spiritual and Community Based

Strategies". Session Chair at Stanford MedX Ed conference, April 20-22, 2017

2017 "Patient Centered Outcomes Research and Comparative Effectiveness Research

Panel”. Session Chair at MedX Ed conference, April 20-22, 2017

2017 ‘How mindfulness and appreciative enquiry can be used to tackle physician

burnout’ Workshop at Stanford MedX Ed conference, Kurup V, Brainard A,

Janosy N. April 20-22, 2017

2017 ‘Workshop on Airway Management’ Conducted a hands-on workshop for

students and faculty at Hue University of Medicine and Pharmacy, Vietnam,

February, 2017.

2017 ‘Use of LMA in ACLS’ Invited speaker to Hue University of Medicine and

Pharmacy, Vietnam, February 2017

2017 ‘Tools of the trade and Vortex Approach’ Invited speaker to Hue University of

Medicine and Pharmacy, Vietnam, February 2017

2017 ‘Workshop- Wellness in the workplace: How mindfulness and

appreciative enquiry can be used to tackle healthcare provider burnout.

Stanford MedX Ed International conference, April 22-23, 2017

2017 Workshop- ACGME Stanford MedX Ed, international conference,

April 22-23, 2017

2015 ‘Teaching Lab- Use of Flipped Classroom Model in an Anesthesia

residency curriculum’. MedX Conference, Stanford, Palo Alto, CA,

September 2015

2015 ‘Novel Instructional Methods- Use of In-situ simulations. MedX

Conference, Stanford, Palo Alto, CA, September 2015

2015 ‘Teaching Lab- How not to flop the flip’. MedX Conference, Stanford,

Palo Alto, CA, September 2015.

2014 ‘Management of patient with severe comorbidities for TAVR’. Invited talk

at SLMC International Conference, Manila, Philippines, July 2014.

2014 ‘Use of technology in resident education and research’. Invited talk at

SLMC International Conference, Manila, Philippines, July 2014.

2014 ‘Robotic surgery in an obese patient- anesthetic implications’. Invited talk

at SLMC International Conference, Manila, Philippines, July 2014.

2014 ‘Airway Algorithms: Evolution to present day’. Invited talk at

Dr Devraj Urs Medical College at Kolar, India

2014 ‘Using multimedia in Anesthesia Residency Education’. Invited talk at

Dr Devraj Urs Medical College at Kolar, India

2013 ‘Lights, Camera, Anesthesia! Fundamentals of Videography and

Multimedia’. Workshop at ASA San Francisco, CA

2013 ‘Lights, Camera, Simulation! Fundamentals of Videography and

Multimedia in Simulation-based Medical Education’. Workshop at

the 13th International Meeting on Simulation in Healthcare (IMSH) at

Orlando, FL

2013 ‘Animating case-based teaching for acute care specialties: Using screen-

based simulation as mobile 'monitor' displaying dynamic vital signs’.

Workshop at the 13th International Meeting on Simulation in Healthcare

(IMSH) at Orlando, FL

2011-2013 ‘Yale University School of Medicine Pain Symposium’. Webcast through

Sim Worldwide Website to India, France, Thailand and El Salvador

2012 ‘Sim Wars, game-based simulation’. International Meeting for Simulation

in Healthcare. Judge for the program, Coordinated with Dr Eason at East

Tennessee State University at San Diego, CA

2012 ‘Sim Worldwide, a distributive learning management system’. Podium

presentation at the International meeting for simulation in healthcare,

conducted at San Diego, CA

2011 ‘Web 2.0 tools and Medical Education-1’. Session Chair at the Medicine 2.0

international conference at San Francisco, CA

2011 ‘Web 2.0 tools for Continuing Medical Education-II’ Session Chair at the

Medicine 2.0 international conference at San Francisco, CA

2011 ‘Airway algorithms - Evolution to present day’ Invited speaker at the

Yale-Guangzhou University Forum for Anesthesia and Analgesia, China

2011 ‘Transesophageal Echo’ Workshop at Hangzhou University, China

2011 ‘Evolution of Airway Algorithms’ Invited Speaker at Dept of

Anesthesiology at Sir Run Run Shaw Hospital, Hangzhou, China

2011 ‘Airway Algorithms - Not Just a Flow Chart’, Invited speaker at centenary

international airway symposium in Lucknow, India

2011 ‘Difficult Weaning’. Invited speaker at Centenary International Airway

Symposium in Lucknow, India

2011 ‘Anesthetic Implications of Endovascular Repair of Aortic Aneurysms’.

Webcast through Sim Worldwide Website to India, France, Thailand and

El Salvador

2011 ‘Sim worldwide’- A distributive learning system Podium presentation at

the International Meeting for Simulation in Healthcare meeting.

New Orleans, LA

2010 ‘Teaching the new generations of students- The Millennials’. Invited

speaker at Karnataka Institute of Medical Sciences, Hubli, Karnataka,

India

2010 ‘Teaching with Technology- Understanding the new generation of

students’. Invited faculty at the Research Society of Anesthesiology

Clinical Pharmacology (RSACP) Conference, Bangalore, India

2010 ‘Perioperative Glycemic Control’. Invited speaker to post-graduate

students in Anesthesiology at KIMS, Hubli, India

2010 ‘Using technology for teaching and learning in the new Millennium’.

Invited speaker for the Academic Lecture Series at KLE University,

Belgaum, India.

2010 ‘Implications of Glucose control in surgical patients’. Invited speaker at

the Prabhakar Kore Hospital. Belgaum, India

2010 ‘Anesthetic Issues for the practicing ophthalmologist’. Invited speaker at

the MM Joshi Postgraduate Eye Institute, Hubli, India

2009 ‘Multimodal approach to integrating technology in resident education in

an Anesthesia Residency Program’. Poster presentation at the Asian

Society of Cardiothoracic Anesthesia (ASCA) at Tokyo, Japan

2006 ‘Heparin Induced Thrombocytopenia’. Invited speaker at Karnataka

Institute of Medical Sciences, Hubli, Karnataka, India

2006 ‘Evaluating cardiac patient for non-cardiac surgery’. Invited speaker at

Meeting of Indian Society of Anesthesiologists, Hubli City Branch, India

**National Presentations:**

2017 ‘Evidence based teaching and learning- Is it practical?’ Invited speaker at

STA-FAER panel at the STA 2017, San Diego, January 12-14, 2017.

2016 ‘Using podcasts for resident education- The process and possibilities’. Panel

discussion at ASA 2016, Chicago, October 23-25, 2016

2016 ‘Making Learning Stick: Using spaced repetition to meet the needs of

modern residents. Workshop at SEA meeting, Baltimore June 3-5, 2016

2016 ‘Anti-Burnout: Quality and Mindfulness go hand in hand’ Workshop at

SEA meeting, Baltimore, June 3-5, 2016

2016 ‘Teaching 2.0: Using technology for teaching and learning in the

new Millennium’. Panel presentation at ASA 2016, Chicago.

2016 *‘*Creation of Specialty-Specific Resident ACGME Milestone Checklists’.

Multidisciplinary workshop conducted at IMSH 2016 in San Diego, USA

2015 ‘Behavioral and Cognitive Impact of Simulation’ Workshop at Society for

Education in Anesthesia (SEA) 2015 Meeting. Seattle, USA

2015 Bringing Efficiency into Anesthesia Education: Are we ready for the

flipped classroom. Refresher course lecture. ASA 2015, San Diego.

2015 Teaching 2.0. Using technology for teaching and learning in the

new millennium. Panel discussion at ASA 2015, San Diego

2015 Non-Traditional simulation: Life outside the sim center. Panel discussion

at ASA 2015, San Diego

2014‘Social Media and Medical Education’ Panel speaker at Society

for Education in Anesthesia, Annual meeting at New Orleans, Oct 9, 2014

2014 ‘Successful Transition to Anesthesia Residency Training. A multi-center

study of an online distance learning program designed to prepare interns

for anesthesia residency training’. Sanford R, Erlendson M, Ngai L, Chu L,

Kurup V. Presented at the North-East Group on Educational Affairs

(NEGEA) conference, New Haven, CT.

2013 ‘Lights, Camera, Anesthesia!’ Workshop at American Society of

Anesthesiologists (ASA) 2013 Meeting. San Francisco, USA

2012 ‘What If?’ Verbal and Screen Based Simulation Techniques to efficiently

give Trainees Live PBLD Cases’. Workshop at the Society for Education

in Anesthesia (SEA) Spring Meeting in Milwaukee, WI

2012 ‘Lights, Camera, Anesthesia’. Workshop at the Society for Education

in Anesthesia (SEA) Spring Meeting in Milwaukee, WI

2011 ‘Navigating the information superhighway - How to find the information

you need’. Workshop at Society for Education in Anesthesia (SEA) Spring

meeting in San Antonio, TX

2011 ‘Podcasting with minimal resources’. Workshop at the Society for

Education in Anesthesia (SEA) Spring Meeting in San Antonio, TX

2011 ‘Using Moodle for Course management in an Anesthesia Department’.

Workshop at Workshop at the Society for Education in Anesthesia (SEA)

Spring Meeting in San Antonio, TX

2009 ‘Podcasting for Anesthesia Departments’. Panel Discussion at American

Society of Anesthesiologists Annual Meeting, New Orleans, LA

2009 ‘Teaching Resource Skills- Bringing the library to learners’. Panel

discussion at American Society of Anesthesiologists (ASA) Annual

Meeting, New Orleans, LA

2008 ‘Educating the Uneducables –Teaching the Millenial Generation’. Panel

Discussion at American Society of Anesthesiologists Annual Meeting,

Orlando, FL

2008 ‘Using Technology as a catalyst for learning and teaching’. Workshop at

Society for Education in Anesthesia (SEA) Annual Meeting, Miami, FL

2008 ‘Not so dangerous liaisons: Best Practices for Library Liaison Work’.

Invited Speaker at Medical Librarians Association Annual Meeting,

Chicago, IL

**Local Presentations:**

2017 ‘Flipped Classroom- Perspectives from Anesthesia Residency Program‘ Invited speaker at Yale Department of Pathology Faculty meeting, Sept 13, 2017

2017 ‘Using Evidence in Medical Education’ Invited speaker at Grand rounds, Allegheny Health Network, Pittsburg, Aug 29, 2017

2017 ‘Evidence based teaching- From Lab to Classroom’ Invited speaker at

Grand rounds, New York Medical College, Westchester, New York.

May 15, 2017

2017 ‘Yale Global Surgery Symposium- Capacity Development and Training

Panel’ Invited speaker, April 1, 2017, New Haven, CT.

2017 ‘Overview of The Yale Anesthesia Education Program’. Invited speaker at

the West Haven VA Hospital, January 18, 2017

2016 ‘Evidence based Medical Education’. Invited Grand rounds at Henry Ford

Hospital, Detroit, September 28, 2016

2016 ‘Using Evidence to make teaching and learning more efficient’ Invited

Grand Rounds at Cornell Department of Anesthesiology, September 12,

2016 ‘Using Evidence to make teaching and learning more efficient’ Grand

Rounds at Yale University Department of Anesthesiology, April 6, 2016

2016 “Introducing Evidence and Efficiency into Anesthesia Resident

Education” Invited Grand Rounds at University of Pittsburg

Medical Center.

2015 **‘**Evidence based Medical Education’ Invited Grand Rounds at Stanford,

Department of Anesthesiology, Palo Alto, California, Sept 28, 2015

2014 ‘How to Read a Scientific Paper’ Workshop conducted for the

Department of Anesthesia, Yale, New Haven, CT

2014 ‘Changes in Anesthesia Education- Are we ready to Flip the Classroom?’

Grand Rounds, George Washington University, Washington, DC

2014 ‘Medical Education Trends- Is it time for the flipped Classroom in

Anesthesia Education?’ Grand Rounds, Stonybrook, NY

2014 ‘Resident as Teacher’ Moderated hands-on session in the Department of

Anesthesiology at Yale Anesthesia, New Haven, CT

2013 ‘Recent Trends in Medical Education- Global and Local Trends’.

Grand Rounds presentation at Yale Anesthesia, New Haven, CT

2013 ‘Medically challenging case presentations by residents’. Grand Rounds

moderator at Yale Anesthesia, New Haven, CT

2013 ‘Recent Advances in Preoperative Risk Assessment’. Grand Rounds

invited speaker at Uro-Gynecology at Yale University School of Medicine,

New Haven, CT

2013 ‘Guide to Digital Professionalism for Healthcare Professionals’.

Invited speaker at Baystate Annual Anesthesia Meeting, Springfield, MA

2011 ‘Get Connected, Stay Respected- Social Media Guide for Doctors’.

Grand Rounds invited speaker at Uro-Gyn Dept., Yale University School

of Medicine, New Haven, CT

2011 ‘Get Connected, Stay Respected- Social Media Guide for Doctors’.

Invited speaker at OB-Gyn of New Haven meeting, Yale University

School of Medicine, New Haven, CT

2011 ‘Learning 2.0- Using Technology for learning and teaching’.

Grand Rounds invited speaker at Boston University, Boston, MA

2010 ‘Teaching 2.0- Using Technology for teaching and learning in the

new Millennium’. Invited talk at Research Conference in the

Department of Lab Medicine at Yale, New Haven, CT

2010 ‘Drill Baby Drill- Efficient Strategies to find the information you need’.

Grand Rounds presentation at Yale Anesthesia, New Haven, CT

2010 ‘Educational Initiatives in the Department of Anesthesiology at Yale-

Update’. Grand Rounds presentation at Yale Anesthesia, New Haven, CT

2010 ‘Ask the Anesthesiologist’. Invited speaker at Department of

Uro-Gynecology, Yale University School of Medicine, New Haven, CT

2009 ‘Teaching 2.0: Teaching and learning in the new Millennium’.

Invited speaker at Yale Anesthesia Faculty Retreat. Stonybrook, NY

2009 ‘Teaching 2.0- Impact of technology on Teaching and Learning in the

New Millennium’. Grand Rounds invited speaker at University of

North Carolina, Chapel Hill, NC

2009 ‘Impact of Technology on Teaching and Learning’. Grand Rounds

invited speaker at Cornell University, New York, NY

2009 ‘Technology - Impact on teaching and learning in the new Millennium’.

Grand Rounds presentation at Yale Anesthesia, New Haven, CT

2007 ‘Educational Initiatives’. Grand Rounds presentation at Yale Anesthesia,

New Haven, CT

2006 ‘Heparin Induced Thrombocytopenia-An Old Problem with

New Solutions’. Grand Rounds presentation at Yale Anesthesia,

New Haven, CT

2006 ‘Resident as Teacher’ Moderated hands-on session in the Department of

Anesthesiology at Yale Anesthesia, New Haven, CT

**PROFESSIONAL SERVICE**

**Journal Service:**

2016- Present Reviewer for Journal of Head and Neck Anesthesia

2007- Present Reviewer for SEA-HVO Fellowship applicants

2010-2012 Reviewer, Journal of Clinical Anesthesia

2013-Present Reviewer for BMC Medical Education Journal

2010-2012 Section Editor for Current Opinion in Anesthesiology (Section of

Technology, Education, Training and Information systems)

2010-Present Reviewer for Abstracts at the ‘Medicine 2.0’ conference

2010 Editor for International Anesthesiology Clinics Issue on ‘Teaching 2.0’

2009-2014 Reviewer for Journal of Cardiothoracic and Vascular Anesthesia

**Professional Organizations:**

2016-Present Executive Board member of Connecticut Association of Physicians of Indian Origin (CAPI)

2015- Present Physician Wellness Advisory Group, ASA Committee on

Physician Wellness

2014- Present Communications Chair, Society for Head and Neck Anesthesia (SHANA)

2012-Present Chair Designee, Committee for Global Outreach and Developing world of

the Society for Education in Anesthesia (SEA)

2014-Present President, Connecticut State Society of Anesthesiologists (CSSA)

2012-Present Delegate to the ASA for the Connecticut State Society of Anesthesiologists

(CSSA)

2008-2012 Program Chair, Connecticut State Society of Anesthesiologists (CSSA)

2009-Present Member South Asian Studies Council (SASC), Yale

2009-Present Co-founder of Sim Worldwide, a portal for collaboration between

teachers and residents worldwide

2009-Present Member Society for Education in Anesthesia (SEA)

**Voluntary and Extra-Curricular Activities:**

2012-Present Volunteer for Medical student shadowing program for 1st year medical students interested in anesthesia as a career.

2012-Present Invited speaker for Annual Career Day in New Haven Schools

2011-Present Volunteer for Yale Physician Outreach Program to mentor

undergraduate students who want to shadow clinical faculty

2008-Present Organized Annual Yale vs UConn Jeopardy Competitions as

Program Chair of Connecticut State Society of Anesthesiologists (CSSA)

2008-Present Volunteer for High School Career Day workshop at Department of

Anesthesiology, Yale University

2010 Volunteer for Career Day at East Haven Academy, East Haven, CT

2006 Member of Voluntary Medical Mission to Villavincencio, Columbia.

**National Committees:**

2015- Present Advisory board to Physician Wellness Committee of ASA

2016- Present Co-Chair, Society for Education in Anesthesia (SEA) Outreach and Developing World Committee

2010-Present Member, Scientific Program Committee, Track Director for Education,

Medicine 2.0 conference

2009-Present Member Society for Education in Anesthesia (SEA) Website Committee

2007-Present Member Society for Education in Anesthesia (SEA), Faculty Development

2006-Present Member, Society for Education in Anesthesia (SEA), Outreach &

Developing World

**Yale School of Medicine Committees:**

2016-Present Member of Graduate Medical Education Committee

2016-Present GME office Wellness Committee

2016- Present Yale University MD Wellness Task Force

2010 Committee on Policy for digital professionalism

2010 Editorial board, Surgical Digital media (http://surgeryvideos.ynhh.org)

2008 Committee for Policy on Heparin Induced Thrombocytopenia Guidelines.

**Departmental Committees:**

2007-Present Chair, Departmental Education, Dept of Anesthesiology, Yale

2006-Present Associate Director, Medical student Education Committee,

Anesthesiology, Yale

2010-Present Member, Clinical Competence Committee, Anesthesiology, Yale

2006-Present Member, Resident Review Committee, Anesthesiology, Yale

2006-Present Member, Resident Recruitment Committee, Anesthesiology, Yale

2008-Present Coordinator, Resident Preceptorship Group, Anesthesiology, Yale

**BIBLIOGRAPHY**

1. Persistent Left Superior Vena Cava: Unusual catheter position on Chest X-ray Deshpande R, Band M, **Kurup V**. Images in Anesthesiology. [Anesthesiology.](https://www.ncbi.nlm.nih.gov/pubmed/28187019) 2017 Feb 10
2. ‘Feasibility of using a Flipped Classroom model in an Anesthesia Residency Curriculum’. Kurup V, Sendlewski G, Matei V. Submitted to JEPM. 2017. In review.

1. ‘In-Situ Simulation in Anesthesia Education- Opportunities and Challenges. Kurup V, Matei V, Ray J. In print Current Opinion in Anesthesiology, 2017.
2. Airway Management in patients with Tracheal Bronchus. Wong F, Detterbeck F, **Kurup V**. Anesthesiology. 2016 Aug;125(2):395
3. “Placement of epidural catheter”. Clinical Videos in Medicine. Kim A, Kalsi M, Zador L, Zador E, **Kurup V**, Under review at NEJM
4. ‘Telemedicine for Preanesthesia Evaluation: A study of patient preferences and clinic efficiency at an academic medical center’. Fishman M, Mirante B, Dai F, **Kurup V**. Canadian Journal of Anesthesiology. 2015 Apr;62(4):433-4
5. ‘The changing landscape of Anesthesia Education: Is Flipped Classroom the answer?’ **Kurup V**, Hersey D. Current Opinion in Anesthesiology, December 2013. Volume 26(6). 726-31.
6. ‘It’s time to broaden our vision in Medical Education’. **Kurup V**. Current Opinion in Anesthesiology, December 2013. Volume 26(6). 698.
7. ‘Concern for pain in the preoperative period- Is the Internet being used for information by patients?’ **Kurup V**, Dabu-Bondoc S, Senior A, Dai F, Hersey D, Vadivelu N. Pain Practice, 2013. May 22 (Epub ahead of print)
8. Threat and error management for anesthesiologists: a predictive risk taxonomy.

Ruskin KJ, Stiegler MP, Park K, Guffey P, **Kurup V**, Chidester T.

Curr Opin Anaesthesiol. 2013 Dec;26(6):707-13.

1. ‘Blended learning in anesthesia education - current state and future model’. Kannan J, **Kurup V**. [Current Opinion in Anesthesiology](http://www.scopus.com/source/sourceInfo.url?sourceId=21871&origin=resultslist), 2012, Volume 25(6), 692-698.
2. ‘Exploring new frontiers in Anesthesia Education’. **Kurup V**. Current Opinion in Anesthesiology, 2012, Volume 25(6), 680.
3. ‘The Role of the Internet as an Information Resource for Surgical patients- A Survey of 877 Patients’. **Kurup V**, Considine A, Hersey D, Dai F, Senior A, Silverman D, Dabu-Bondoc S. [British Journal of Anaesthesia](http://www.scopus.com/source/sourceInfo.url?sourceId=21858&origin=resultslist), 2012, Volume 110(1), 54-58.
4. ‘When Cardiac Patients Need ECT - Challenges for the Anesthesiologist’. **Kurup V**, Ostroff R. Int Anesthesiol Clin. Spring 2012, Volume 50(2), 128-40.
5. ‘When Cardiac Patients need ECT’. **Kurup V**, Ostroff R. Int Anesthesiology Clinics, 2011
6. ‘Finding information by design – Search strategies for cardiothoracic and vascular literature’. **Kurup V**, Hersey D. Journal Cardiothorac Vasc Anesth. Oct 2010, Volume 24(5), 845-58.
7. ‘Prolonged Elevation of Plasma Argatroban in a Cardiac Transplant Patient with a suspected History of Heparin-Induced Thrombocytopenia with Thrombosis. Transfusion’. Genzen J, Fareed J, Hoppensteadt D, **Kurup V**, Barash P, Coady M, Wu Y. Apr 2010, Volume 50(4), 801-7.
8. ‘Needle Visualization in Ultrasound guided Regional Anesthesia: Technological challenges and educational solutions’. Halaszynski T, **Kurup V**, Souzdalnitski D. Reg Anesth Pain Med. Sep-Oct 2009, Volume 34(5), 527-8.
9. ‘Infundibular Pulmonary Stenosis (Echorounds)’. **Kurup V**, Perrino A, Barash P, Hashim S.Anesth Analg, March 2007, Volume 104(3), 507-508.
10. ‘Cardiac surgery in a patient with Heparin induced thrombocytopenia-Cautions with use of the direct thrombin inhibitor, Argatroban’. **Kurup V**, Transue S, Wu Y, Rinder H, Barash P, Dewar M. Connecticut Medicine, April 2006, Volume 70(4), 245-250.
11. ‘Sedation after spinal anesthesia in elderly patients: a preliminary observational study with the PSA-4000’. **Kurup V**, Ramachandran R, Atanassoff PG. Canadian Journal of Anesthesia, 2004, 562-565.

**Reviews, Chapters, Books:**

1. ‘Manual of Clinical Anesthesiology, Second Edition’ Co-Editor-in-chief. Chu L, Traynor A, Kurup V. In Process. Scheduled for publication Sept 2018.
2. Quality in Medical Education. ‘Quality and Safety in Anesthesia and Perioperative Care’ edited by Keith J. Ruskin, Stanley H. Rosenbaum, and Marjorie P. Steigler
3. Crisis Resource Management: Before the Emergency. Huang Y, **Kurup V**. Anesthesia Emergencies. Editor: Ruskin K. 2015.Newgen knowledge works
4. ‘Patient with previous lung surgery’. **Kurup V**, Desai P. Master techniques in upper and lower airway management. Popescu W. WoltersKluver Health Publishers.
5. ‘Medical thoracoscopy for Pleural biopsy’. **Kurup V**. Master techniques in upper and lower airway management. Popescu W. WoltersKluver Health Publishers.
6. ‘Neuromuscular Diseases and Disorders: Physiology of Neuromuscular Transmission: Postjunctional Events: Acetylcholine Binding to Acetylcholine Receptors, Ion Flow Through Acetylcholine Receptor’. **Kurup V.** Start Prep. Online Board Review Program for Anesthesia Residents. Stanford AIM Lab. Stanford, CA, 2014
7. ‘Succinylcholine- Mechanism of action, Pharmacokinetics and Pharmacodynamics’. **Kurup V**. Alian A. Start Prep. Online Board Review Program for Anesthesia Residents. Stanford AIM Lab. Stanford, CA, 2014.
8. ‘Anesthesiology in Encyclopedia of Science and Religions’. **Kurup V**, Barash PB.Azari N, Brugger, P, Runehov A, Duran, P, Paloutzian, R, Seitz RJ, Borgman E, Frye J, Belzen J. (Eds.) Version: eReference (online access), 2012 ISBN: 978-1-4020-8265-8
9. ‘E-Patients- Revolutionizing the practice of Medicine’. **Kurup V**. Int Anesthesiol Clin. 2010 Summer, Volume 48(3), 123-9.
10. ‘The Role of Social Networking Applications in the Medical Academic Environment’. Chu LF, Zamora A, Young C, **Kurup V**, Macario A. Int Anesthesiol Clin. 2010 Summer, Volume 48(3), 61-82.
11. ‘Anesthesia 2.0: Internet-based Information Resources and Web 2.0 applications in Anesthesia Education’. Chu LF, Young C, Zamora A, **Kurup V**, Macario A. Curr Opin Anaesthesiol. 2010 Apr, Volume 23(2), 218-27.
12. ‘Teaching 2.0 and the future of education in Anesthesiology’. **Kurup V**, Rosenbaum S. Int Anesthesiol Clin. 2010 Summer, Volume 48(3)
13. ‘Teaching with Technology- Understanding the new Generation of Students’. **Kurup V**. Scientific Proceedings of the National Conference of the Research Society of Anesthesiology Clinical Pharmacology, IS9; Oct 2010
14. ‘Respiratory Diseases’. Stoelting’s Anesthesia and Co-existing Diseases. **Kurup V**. Churchill Livingstone, 5th edition, 2008, 161-198.
15. ‘Information Technology in Anesthesia Education’. **Kurup V**, Ruskin K.Anesthesia Informatics. Springer-Verlag, London Ltd, 2008, 397-408.
16. ‘The Perioperative Librarian- Luxury or necessity?’ **Kurup V**, Hersey D Curr Opin Anesthesiol. Dec 2007, 585-589.
17. ‘Valvular Heart Disease’. **Kurup V**, Haddadin A: Anesthesiology Clinics of ‘START: A multi-center study about the educational benefits of an online program to prepare anesthesia interns for residency’. Chu L, Ngai L, **Kurup V**, Paulose T, Pitts B, Levine A, Epstein J, Harrison K. ASA 2012.North America. 2006, Volume 24, 487-508.
18. ‘Co-existing Cardiac Disease’ ‘Morbid Obesity, Peri-operative Management’. Akhtar S, **Kurup V**, Helgeson L Cambridge University Press, 2004, 141-166.

**Abstracts/Medically Challenging Cases:**

1. McGlynn D, Ribeiro M, Dai F, **Kurup V.** Current Practices and Attitudes of Anesthesia Providers to smoking cessation for patients in the Perioperative setting. Accepted for presentation at ASA 2017.
2. "Positive Test Dose Response Following Thoracic Epidural Placement in a Patient With Allgrove Syndrome and Autonomic Dysfunction" Gruenbaum B, Kurup V. Accepted as Medically Challenging Case ASA 2017.
3. McGlynn D, Ribeiro M, Dai F, **Kurup V.** Current Practices and Attitudes of Anesthesia Providers to smoking cessation for patients in the Perioperative setting. Presented at Medical Education day, Teaching and Learning Center, Yale. May, 2017
4. Matei V, Ray J, Sudikoff S, Sendlewski G, **Kurup V.** Using In-situ simulation for anesthesia residents- Three year experience. Submitted to the Medical Education day, Teaching and Learning Center, Yale. May, 2017

1. Jessica Feinleib, **Kurup V**, Lynette Mark, Art French, Paul Flint and Leaben Lester. Difficult Airway Algorithm and Rescue Cricothyrotomy (DAARC) program, to standardize the VHA team approach to non-OR airways. Accepted for presentation at AUA/ IARS, May, 2017
2. Chawla N, Deshpande R, **Kurup V**. Use of Ultrasound for point of care training for Anesthesia Residents: A curriculum in development. Presented at Medical Education Day, Yale Teaching and Learning Center. May 2016.
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10. A 12-month multi-institutional episodic daily learning online mobile curriculum (startprep) designed to prepare anesthesia residents for preparedness in the anesthesia basic sciences, Andrea J. Fuller, MD1, Reuben Eng, MD2, Lynn Ngai, BA3, Paula Trigo-Blanco, MD4, Sanford Roberts, BA2, Estee Piehl, MD1, Amy Ahearn, MA2, STARTprep Partner Site Group, and Larry F. Chu, MD, MS2
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**EDUCATIONAL PROJECTS**

**HIC**:

Reverse Simulation: A novel method of testing clinical competence. PI: Melissa Chin

A Pilot study to assess the value of introduction of checklists during in-situ simulation of anesthesia crisis situations. Matei V, **Kurup V**. HIC: 1412015107

‘Telemedicine for the Pre-anesthesia Evaluation’. PI: **Kurup V**. Co-investigators: Fishman M, Mirante B. 2012

‘Use of Electronic Media in Anesthesia Education: Resident Use and Perceptions’. PI: **Kurup, V**. Co-investigators: Zador L, Nagavelli H. 2013

‘Does an on-line one year long pre-residency Anesthesia curriculum and virtual mentorship program improve CA-1 self assessed preparedness for transition to Anesthesia residency training? PI: **Kurup V**. Co-investigators: Chadha R. 2013

‘STARTprep: Multi-institutional Evaluation of an Online Curriculum for Anesthesia Board Preparation’. PI: **Kurup V**. Co-investigators: Chadha R. 2013

**Procedural and Room Setup Videos:**

‘IV Placement’. Producer: **Kurup V**. 2013

‘Arterial Line Placement’. Producer: **Kurup V**. 2013

‘General OR Setup’. Producer: **Kurup V**. Collaborator: Zador E,

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‘Pediatric OR Setup’. Producer: **Kurup V**. Collaborator: Zador E,

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**Flipped Classroom Resources:**

‘Central Venous Pressure Monitoring Demystified’. Author: **Kurup V**. Animation: Zador E. 2014

‘Neuromuscular Blockers’. Author: **Kurup V**. Animation: Zador E. 2014

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3. **Kurup V**. Good Bedtime Reads. Book Review. Oxygen. SEA Newsletter, Vol 32 (2). Page 11.
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9. In search of systematic reviews in anesthesia- The Perioperative Librarian. **Kurup V**, Hersey D. Anesthesiology News Feb 2008, 50.
10. ‘Outsourcing searches- use of Alert Services’- The Perioperative Librarian. **Kurup V**, Hersey D. Anesthesiology News April 2008, 70.
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