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**BIOGRAPHICAL SKETCH**

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NAME: Abhijit Lele, MBBS, MD, MS

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POSITION TITLE: Associate Professor, Department of Anesthesiology and Pain Medicine, Adjunct Associate Professor, Department of Neurosurgery, Director of Neurocritical Care Service, Director, Quality Improvement, Neurocritical Care, Harborview Medical Center, University of Washington, Seattle, Washington, USA

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**EDUCATION/TRAINING**

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INSTITUTION AND LOCATION	DEGREE	Completion Date	FIELD OF STUDY
B.J. Medical College, Pune, Maharashtra State, India	M.B.B. S	12/1994	Doctor of Medicine
Sassoon General Hospital, Pune, Maharashtra State, India	M.D.	12/1998	Pediatrics
St. Barnabas Medical Center, Livingston, NJ, USA	M.D.	06/2004	Anesthesiology
Johns Hopkins Medical Institutions, Baltimore, MD, USA	Fellowship	06/2005	Neurocritical Care
The University of Kansas, Kansas City, KS, USA	M.S.	06/2015	Master of Science in Clinical Research

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**A. Personal Statement**

I am a neuroanesthesiologist-neurointensivist with interest in stroke, traumatic brain injury, and quality improvement. I have been an active member of SNACC since 2008 and have attended every meeting from 2008 to 2017.

My contributions towards SNACC have been as a member of the perioperative stroke task force (2014), leader of the task force on perioperative management of external ventricular and lumbar drains (2016-2017), designing SNACC Google maps for neuroanesthesia and neurocritical care fellowships (2016), co-chair of perioperative medicine and critical care special interest group (2012-current), member of the SNACC Communications Committee (2016-current), ENLS workshop speaker (2014, 2016), and author on SNACC bibliography project for cerebrospinal fluid, cerebral blood flow and brain death (2012-current).

Since the management of our neurocritically ill patients is a continuum of care that does not start nor end in the operating room but rather a continuum of care from time of injury till recovery, we as neuroanesthesiologists and neurointensivists leave a unique footprint during critical periods. I pledge to continue my efforts to support SNACC in its mission to advance perioperative neuroscience in creation of neuroanesthesia performance measures, quality metrics, and clinical practice guidelines and promoting perioperative patient safety by streamlining the perioperative handoff process. This would involve integrating emergency neurological life support, trauma quality improvement measures, and Brain Trauma Foundation guidelines, into creation of neurosciences quality metrics to improve delivery of quality care with goal to improve outcomes of patients with traumatic brain injury. Similarly, integration of emergency neurological life support algorithm, American Heart Association guidelines, will inform neurosciences quality metrics for patients with spontaneous intracerebral hemorrhage. I would be happy to talk by phone to discuss further details (1-206-744-7598).

It would be my honor to serve SNACC, and I seek your support in championing these causes, and respectfully ask for your vote.

**B. Positions and Honors****Faculty Positions Held:**

2008-2014      Assistant Professor, Departments of Anesthesiology, Neurology, &

2014-2015 Neurosurgery, The University of Kansas Medical Center, Kansas City, KS  
Associate Professor, Departments of Anesthesiology, Neurology, &  
Neurosurgery, The University of Kansas Medical Center, Kansas City, KS  
2015- Associate Professor, Department of Anesthesiology & Pain Medicine, University  
of Washington, Seattle, WA  
2016- Adjunct Associate Professor, Department of Neurosurgery, University of  
Washington, Seattle, WA

**Hospital Positions Held:**

1998-1999 Attending Pediatrician, Talegaon General Hospitals, Talegaon, India  
1999-1999 Attending Intensivist, Neurocritical care Unit, Pune Institute of Neurology, Pune,  
India  
2005-2008 Attending Anesthesiologist, Calvert Memorial Hospital, Prince Frederick, MD  
2008-2015 Attending Anesthesiologist, Neurointensivist, The University of Kansas Hospital,  
Kansas City, KS  
2015- Attending Anesthesiologist, Division of Neuroanesthesiology, Neurointensivist,  
Division of Neurocritical Care, University of Washington, Seattle, WA

**Honors:**

1998 Gold Medal, First Rank, MD Pediatrics Board Examination, Pune University  
2010 Faculty of the year, Excellence in Teaching & Research. Department of  
Anesthesiology, The University of Kansas Medical Center, KS  
2010 Faculty of the year, Excellence in Teaching. Department of Neurology, The  
University of Kansas Medical Center, KS

**Editorial Responsibilities:**

**Ad Hoc Reviewer**

2012- Neurocritical Care  
2014-2015 International Journal of Anesthesia and Research  
2015- Journal of Neurosurgical Anesthesiology

**Special National and International Responsibilities:**

2012- Co-Chair, Perioperative Medicine and Critical Care Special Interest group,  
Society of Neuroscience in Anesthesiology & Critical Care (SNACC)  
2012-2013 Member, Perioperative Stroke Task Force. Guidelines for perioperative stroke  
management. Society for Neuroscience in Anesthesiology & Critical Care  
(SNACC)  
2014- Member, Communications Committee, in charge of Google Maps database for  
Neuroanesthesia Fellowships Society for Neuroscience in Anesthesiology &  
Critical Care (SNACC),  
2015-2016 Lead, Perioperative Management of External Ventricular and Lumbar Drains. A  
best practices document from the Society for Neuroscience in Anesthesiology &  
Critical Care. Society for Neuroscience in Anesthesiology & Critical Care  
(SNACC)  
2014-2018 Founder and in charge. Google Maps for Neuroanesthesia and Neurocritical  
Care Fellowship, Society for Neuroscience in Anesthesiology & Critical Care  
(SNACC)  
2015-2017 Member, Emergency Neurological Life Support Marketing and Outreach  
Committee, Neurocritical Care Society (NCS)  
2017 External reviewer, A Clinical Practice Guideline for the Management of Patients

with Acute Spinal Cord Injury: Recommendations on the Type and Timing of Anticoagulation Prophylaxis, American Association of Spine

- 2017- Member, Quality Improvement Committee, Neurocritical Care Society (NCS)
- 2017- Member Communications Committee, Neurocritical Care Society (NCS)
- 2017- Member, Writing Group, Quality Metrics Guidelines, Neurocritical Care Society (NCS)

### **Special Local Responsibilities:**

- 2008-2015 Member, Critical Care Committee, The University of Kansas Hospital
- 2009-2015 Medical Director, Neuroscience Intensive Care Unit, The University of Kansas Hospital, Kansas City, KS
- 2010-2015 Chairman, Hemodynamics Committee, The University of Kansas Hospital, Kansas City, KS
- 2009-2014 Founder, Chair, Department of Anesthesiology, Neuroanesthesia Focus Group, The University of Kansas Medical Center,
- 2012-2013 Member, Operating room call schedule committee. The University of Kansas Medical Center
- 2013-2014 Member, Incentive revision committee, Department of Anesthesiology, The University of Kansas Medical Center
- 2011-2013 Vice-Chair, Anesthesia Research Committee, The University of Kansas Medical Center,
- 2013-2015 Director, Clinical Research, Department of Anesthesiology, The University of Kansas Hospital, Kansas City, KS
- 2015- Medical Director, Neurocritical Care Service, Neurosciences Intensive care unit, University of Washington, Harborview Medical Center, Seattle, WA
- 2015- Member, Critical Care Advisory Committee, Harborview Medical Center
- 2016- Director Quality Improvement, Neurocritical Care Service, Harborview Medical Center
- 2016- Member, Task force, ICU to Operating room handoffs, Harborview Medical Center
- 2016- Member, Spinal cord Injury Ventilator weaning workgroup, Harborview Medical Center
- 2017- Member, Advisory Board, Life Center Northwest

### **C. Contributions to Science**

#### **Manuscript Published in Peer Reviewed Journals Indexed on PubMed:**

- 1) **Lele A**, Ziai WC. Target-controlled infusion for sedation of traumatic brain-injured patients: role uncertain. Critical care medicine. 2005;33(5):1172-4. **PMID:15891371**
- 2) **Lele AV**, Mirski MA, Stevens RD. Spurious hypoxemia. Critical care medicine. 2005;33(8):1854-6. **PMID:16096465**
- 3) Mirski MA, **Lele AV**, Fitzsimmons L, Toung TJ. Diagnosis and treatment of vascular air embolism. Anesthesiology. 2007;106(1):164-77. **PMID:17197859**
- 4) Mittal M, Hammond N, Husmann K, **Lele A**, Pasnoor M. Creutzfeldt-Jakob disease presenting as bulbar palsy. Muscle & nerve. 2010;42(5):833-5. **PMID:20976786**
- 5) **Lele A**, Lyon T, Pollack A, Husmann K, Reeves A. Intra-arterial nicardipine for the treatment of cerebral vasospasm in postpartum cerebral angiopathy: a case study and review of literature. The International

journal of neuroscience. 2011;121(10):537-42.

- 6) Mittal MK, **Lele A**. Predictors of poor outcome at hospital discharge following a spontaneous intracerebral hemorrhage. The International journal of neuroscience. 2011;121(5):267-70.  
**PMID:21265701**
- 7) **Lele AV**, Clutter S, Price E, De Ruyter ML. Severe hypothyroidism presenting as myxedema coma in the postoperative period in a patient taking sunitinib: case report and review of literature. Journal of clinical anesthesia. 2013;25(1):47-51. **PMID:23246982**
- 8) Mashour GA, Moore LE, **Lele AV**, Robicsek SA, Gelb AW. Perioperative care of patients at high risk for stroke during or after non-cardiac, non-neurologic surgery: consensus statement from the Society for Neuroscience in Anesthesiology and Critical Care\*. Journal of neurosurgical anesthesiology. 2014;26(4):273-85. **PMID:24978064**
- 9) Qureshi AI, Hussein H, Novitzke JM, Witzel C, Connelly B, Chaudhry SA, Abbott EI, Maland ET, France KA, Rahim B, Miller Z, Caceres AJ, Brau LJ, Qureshi MH, Thomas JK, Afzal MR, Rech N, Palesch YY, Martin R, Zhao W, Foster L, Speiser J, Dillon C, Kim J, Conner C, Henry A, Clasen K, Cassarly C, Hanley DF, Hanley DF, Kase CS, Carhuapoma J, McBee N, Moy C, Janis S, Hemphill J III, Hoh BL, Zucharello M, Parides MK, Barsan W, Silbergleit R, Goldstein JN, Stevenson V, Bengelink E, Black J, Speers M, Harsh D, Van Huysen C, Caveney A, Deyampert A, Grundman B, DuRoss A, Claassen J, Biros M, Wright D, Quinn J, Mann R, Baren J, Welch R, Aufderheide T, Mena M, Chopskie E, Humphries R, Mendoza-Moore M, Lamond K, Callahan R, Howell M, McNelis PM, Reimer H, Palmieri K, **Lele A**, Flügel AK, Ritter SJ, Audebert CH, Denes J. Intensive Blood-Pressure Lowering in Patients with Acute Cerebral Hemorrhage. The New England journal of medicine. 2016;375(11):1033-43. **PMID:27276234**
- 10) Algarra NN, **Lele AV**, Prathep S, Souter MJ, Vavilala MS, Qiu Q, Sharma D. Intraoperative Secondary Insults During Orthopedic Surgery in Traumatic Brain Injury. Journal of neurosurgical anesthesiology. 2017;29(3):228-35. **PMID:26954768**
- 11) Chaikittisilpa N, **Lele AV**, Lyons VH, Nair BG, Newman SF, Blissitt PA, Vavilala MS. Risks of Routinely Clamping External Ventricular Drains for Intrahospital Transport in Neurocritically Ill Cerebrovascular Patients. Neurocritical care. 2017;26(2):196-204. **PMID:27757914**
- 12) Creutzfeldt CJ, Hanna MG, Cheever CS, **Lele AV**, Spiekerman C, Engelberg RA, Curtis JR. Palliative Care Needs Assessment in the Neuro-ICU: Effect on Family. Neurocrit Care. 2017 Oct;27(2):163-172.  
**PMID: 28699144**
- 13) **Lele AV**, Hoefnagel AL, Schloemerker N, Wyler DA, Chaikittisilpa N, Vavilala MS, Naik BI, Williams JH, Venkat Raghavan L, Koerner IP. Perioperative Management of Adult Patients with External Ventricular and Lumbar Drains: Guidelines from the Society for Neuroscience in Anesthesiology and Critical Care. Journal of neurosurgical anesthesiology. 2017;29(3):191-210. **PMID:28169966**
- 14) Morotti A1, Boulouis G2, Romero JM2, Brouwers HB2, Jessel MJ2, Vashkevich A, Schwab K, Afzal MR, Cassarly C, Greenberg SM, Martin RH, Qureshi AI, Rosand J, Goldstein JN; ATACH-II (**Lele AV**) and NETT investigators. Blood pressure reduction and noncontrast CT markers of intracerebral hemorrhage expansion. Neurology. 2017. **PMID:28701501**
- 15) Chandee T, Lyons VH, Vavilala MS, Krishnamoorthy V, Chaikittisilpa N, Watanitanon A, **Lele AV**. Critical Care Resource Utilization and Outcomes of Children with Moderate Traumatic Brain Injury. Pediatr Crit Care Med. 2017 Dec;18(12):1166-1174. **PMID: 28945629**
- 16) **Lele AV**, Wilson D, Chalise P, Nazzaro J, Krishnamoorthy V, Vavilala MS. Differences in blood pressure

by measurement technique in neurocritically ill patients: A technological assessment. J Clin Neurosci. 2018 Jan; 47:97-102. Epub 2017 Nov 4. **PMID: 29113858**

- 17) Watanitanon A, Lyons VH, **Lele AV**, Krishnamoorthy V, Chaikittisilpa N, Chandee T, Vavilala MS Clinical Epidemiology of Adults with Moderate Traumatic Brain Injury. Crit Care Med. 2018 Jan 23. **PMID:29369057**
- 18) **Lele AV**, Lakireddy V, Gorbachov S, Chaikittisilpa N, Krishnamoorthy V, Vavilala MS A Narrative Review of Cardiovascular Abnormalities After Spontaneous Intracerebral Hemorrhage. J Neurosurg Anesthesiol. 2018 Jan 31. **PMID: 29389729**
- 19) Chaikittisilpa N, Krishnamoorthy V, **Lele AV**, Qiu Q, Vavilala MS. Characterizing the relationship between systemic inflammatory response syndrome and early cardiac dysfunction in traumatic brain injury. J Neurosci Res. 2018 Apr;96(4):661-670. Epub 2017 Jun 2. **PMID:28573763**
- 20) Krishnamoorthy V, Vavilala MS, Chaikittisilpa N, Rivara FP, Temkin NR, **Lele AV**, Gibbons EF, Rowhani-Rahbar A. Association of Early Myocardial Workload and Mortality Following Severe Traumatic Brain Injury. Crit Care Med. 2018 Mar 3. **PMID:29509569**
- 21) Suttipongkaset P, Chaikittisilpa N, Vavilala MS, **Lele AV**, Watanitanon A, Chandee T, Krishnamoorthy V. Association of Blood Pressure Thresholds and Mortality in Pediatric Traumatic Brain Injury. Pediatrics. Manuscript accepted for publication.
- 22) **Lele AV**, Kannan N, Vavilala MS, Sharma D, Mossa Basha M, Agyem K, Mock C, Pandey RM, Dash HH, Mahapatra A, Gupta D. Patients Who benefit from Intracranial Pressure Monitoring without Cerebrospinal Fluid Drainage after Severe Traumatic Brain Injury. Neurosurgery. Manuscript accepted for publication.

#### **Manuscripts published in Open Access Journals**

- 1) **Lele A**, Souter M. Sedation practices in the Neurocritical Care Unit. J Neuroanaesthesiol Crit Care 2016;3, Suppl S1:81-7

#### **Book Chapters**

- 1) **Abhijit Lele**, Nelson Algarra. Traumatic Brain Injury, Anesthesia: Encyclopedia of Trauma Care: Springer-Verlag Berlin Heidelberg. **ISBN 978-3-642-29612-3**. 2015
- 2) Nelson Algarra, **Abhijit Lele**. Traumatic spinal cord injury, Anesthesia: Encyclopedia of Trauma Care: Springer-Verlag Berlin Heidelberg. **ISBN 978-3-642-29612-3**. 2015
- 3) **Abhijit Lele**, Gary Gronseth. Brain death and Ethical matters: Encyclopedia of Trauma Care: Springer-Verlag Berlin Heidelberg. **ISBN 978-3-642-29612-3**. 2015
- 4) **Abhijit Lele**, Michael Souter. Brain Death: Understanding the Process of Brain Death Declaration Through Real-life Case Scenarios. Challenging Topics in Neuroanesthesia and Neurocritical Care: Springer International Publishing. **ISBN 978-3-319-41443-0**. 2017
- 5) Deepak Sharma, **Abhijit Lele**, Jugular Venous Oximetry. Monitoring the Nervous System for Anesthesiologists and Other Healthcare Professionals. Springer International Publishing. **ISBN 978-1-4614-0308-1**. 2017
- 6) **Abhijit Lele**, Vijay Krishnamoorthy, Transesophageal Echocardiography in Neuroanesthesia. Essentials of Neuroanesthesia. Academic Press. **ISBN: 9780128052990**. 2017

- 7) Arraya Watanitanon, **Abhijit Lele**, Brain Tissue Oxygenation Monitoring. A Manual of Neuroanesthesia and Neurocritical Care. 2017.
- 8) Robert Clark, M.D., **Abhijit Lele**, Intracranial Pressure Monitoring. A Manual of Neuroanesthesia and Neurocritical Care. 2017.
- 9) **Abhijit Lele**, Cerebral Edema. Essentials of Neurointensive Care: Oxford University Press. 2017
- 10) **Abhijit Lele**, Pneumocephalus. Essentials of Neurointensive Care: Oxford University Press. 2017
- 11) **Abhijit Lele**, Subarachnoid Hemorrhage. Essentials of Neurointensive Care: Oxford University Press. 2017
- 12) Priyadarshini Sundararajan, **Abhijit Lele**, Hydrocephalus. Essentials of Neurointensive Care: Oxford University Press. 2017
- 13) Nophanan Chaikittisilpa, MD, Monica Vavilala, M.D., **Abhijit Lele**. Intracranial Pressure. Neuromonitoring Techniques. Quick Guide for Clinicians and Residents. ISBN: 9780128099155. 2017
- 14) Alan Kovar, MD, **Abhijit Lele**. Geriatric Neurotrauma. 2018

**Book chapter (Section Editor):**

- 1) **Abhijit Lele**, Neurological Care. Essentials of Neurointensive Care: 2017: Oxford University Press.

**Abstract presentations:**

- 1) **Abhijit Lele**, Mehrdad Rafizadeh. Use of Remifentanyl in Ambulatory Patients. International Anesthesia Research Society Annual Meeting. New Orleans. LA. March 2003
- 2) Robert Buchman, **Abhijit Lele**. Incidence and risk factors for deep venous thrombosis in Neurocritical care patients. 7th Annual Neurocritical Care Society Meeting, New Orleans, LA. October 2009.
- 3) Manoj Mittal, **Abhijit Lele**. New onset refractory status epilepticus in a patient with Creutzfeldt-Jakob disease. 7th Annual Neurocritical Care Society Meeting, New Orleans, LA. October 2009
- 4) Katherine Palmieri, **Abhijit Lele**. Critical Illness myopathy in a patient with abnormal posterior fossa compliance. American Society of Anesthesiology Annual Meeting. New Orleans, LA. October 2009
- 5) Michael Davenport, **Abhijit Lele**. Intra-arterial infusion of propofol in a patient with traumatic brain injury. October 2009. Department of Anesthesiology, KUMC. 37th Annual meeting of Society for Neuroscience in Anesthesiology and Critical Care. New Orleans, LA
- 6) Manoj Mittal, **Abhijit Lele**. F2 score: Combination of FUNC and FOUR score to predict mortality after spontaneous intracerebral hemorrhage. October 2010. Department of Anesthesiology, KUMC. 8th Annual Neurocritical Care Society Meeting. San Francisco, CA
- 7) **Abhijit Lele**, Ania Pollack, Amy Pichoff, Matt Rendel, Martin DeRuyter. Correlation between FloTrac / Vigileo estimated stroke volume variation and brain relaxation in patients undergoing brain tumor resection. October 2010. Department of Anesthesiology, KUMC 8th Annual Neurocritical Care Society meeting, San Francisco. CA.
- 8) Amy Pichoff, **Abhijit Lele**, Hemodynamic effects of mannitol as observed with the FloTrac /Vigileo monitoring system. 38th Annual meeting of Society for Neuroscience in Anesthesiology and Critical Care San Diego. CA, October 2010.
- 9) **Abhijit Lele**, Correlation between FloTrac / Vigileo estimated stroke volume variation and brain relaxation in patients undergoing brain tumor resection. 38th Annual meeting of Society for Neuroscience in

Anesthesiology and Critical Care. San Diego. CA, October 2010

- 10) Edric Wong. **Abhijit Lele, M.D.** The role of acetylcysteine and sodium bicarbonate to prevent contrast-induced nephropathy in neuroscience critical care patients at an academic medical center. Annual Pharmacy Resident Research Meeting. Las Vegas, NV, December 2012
- 11) Jennifer Hsu. **Abhijit Lele**, Evaluation of procalcitonin as an indicator of bacterial infection in neurocritical care patients. Department of Pharmacy Annual Pharmacy Resident Research Meeting. Las Vegas, NV, December, 2012
- 12) Shea Stoops, Ben Chen, **Abhijit Lele**, Concomitant cerebral and abdominal aortic aneurysm. Clinical Implications. Department of Anesthesiology, KUMC. American Society of Anesthesiology Annual Meeting. San Francisco. CA, October 2013
- 13) Armand Heyns. Cameron Taylor, **Abhijit Lele**, Imaging in neurocritical care unit. A retrospective cohort study. 11<sup>th</sup> Annual Meeting of Neurocritical Care Society Meeting. Philadelphia, PA. October 2013
- 14) **Abhijit Lele**, Daren Wilson, Prabhakar Chalise, Stephanie Thomas-Dodson, Christopher Walsh, Jules Nazzaro. Blood pressure measurement in neurocritical care patients. A cross sectional study. 11<sup>th</sup> Annual Meeting of the Neurocritical Care Society. Philadelphia, PA, October 2013
- 15) **Abhijit Lele**, Cameron Taylor. Restricting intravenous fluids before tumor debulking does not affect brain relaxation. 39<sup>th</sup>, Annual meeting of Society for Neuroscience in Anesthesiology and Critical Care. San Francisco, CA, October 2013.
- 16) Daren Wilson, **Abhijit Lele**, Blood pressure measurement in neurocritical care patients. A cross sectional study. October 2013. Department of Anesthesiology, KUMC. 39<sup>th</sup>, Annual meeting of Society for Neuroscience in Anesthesiology and Critical Care. San Francisco, CA, October, 2013
- 17) Tasha Welch, **Abhijit Lele**, Laurel Moore. Neuroanesthesia Fellowship Database Using Google Maps. 43<sup>rd</sup> Annual Meeting of Society for Neuroscience in Anesthesiology & Critical Care. San Diego, CA, October, 2015
- 18) Complications associated with intrahospital transport in neurocritically ill patients with indwelling external ventricular drain. Nophanan Chaikittisilpa, MD, **Abhijit V. Lele**, Vivian H. Lyons, Bala G. Nair, Shu-Fang Newman, Patricia A. Blissitt, Monica S. Vavilala, MD. Academic Evening. Department of Anesthesiology & Pain Medicine, University of Washington, Seattle, WA, May 23, 2016
- 19) Complications associated with intrahospital transport in neurocritically ill patients with indwelling external ventricular drain. Nophanan Chaikittisilpa, **Abhijit V. Lele**, Vivian H. Lyons, Bala G. Nair, Shu-Fang Newman, Patricia A. Blissitt, Monica S. Vavilala, October 2016, Annual Meeting of the American Society of Anesthesiology. Chicago, IL.
- 20) Transition to Comfort Measures Only in Critically Ill Patients: Survey Results from Health-Care Providers in a Large Academic Medical Center. **Abhijit V. Lele**. 14<sup>th</sup> Annual Meeting of the Neurocritical Society, National Harbor, MD, October 2016
- 21) Hemodynamic Management in Patients with Spontaneous Intracerebral Hemorrhage: There is More to the Story about Systolic Blood Pressure Reduction Sergii Gorbachov, M.D., Zilvinas Zakarevicius, M.D., Nophanan Chaikittisilpa, M.D., Monica Vavilala, Vijay Krishnamoorthy, **Abhijit Lele**, Academic Evening. Department of Anesthesiology & Pain Medicine, University of Washington, Seattle, WA, May, 2017
- 22) Characterizing the relationship between systemic inflammatory response syndrome and early cardiac dysfunction in traumatic brain injury. Chaikittisilpa N, Krishnamoorthy V, **Lele AV**, Qiu Q, Vavilala MS. Academic Evening. Department of Anesthesiology & Pain Medicine, University of Washington, Seattle,

WA, May, 2017

- 23) Clinical Epidemiology of Adults with Moderate Traumatic Brain Injury. Watanitanon A, Lyons VH, **Lele AV**, Krishnamoorthy V, Chaikittisilpa N, Chandee T, Vavilala MS. Academic Evening. Department of Anesthesiology & Pain Medicine, University of Washington, Seattle, WA, May, 2017
- 24) Critical Care Resource Utilization and Outcomes of Children with Moderate Traumatic Brain Injury. Chandee T, Lyons VH, Vavilala MS, Krishnamoorthy V, Chaikittisilpa N, Watanitanon A, **Lele AV**. Academic Evening. Department of Anesthesiology & Pain Medicine, University of Washington, Seattle, WA, May, 2017
- 25) Paging Frequency in Neurocritical Care: A Retrospective Cohort Study of One Year of Neurocritical Care Admissions at an Academic Medical Center. **Abhijit Lele**, Sergii Gorbachov, Christine Fong, Bala Nair, Pat Blissitt, Nophanan Chaikittisilpa, Vijay Krishnamoorthy, Monica Vavilala. April 2017 Academic Evening. Department of Anesthesiology & Pain Medicine, University of Washington, Seattle, WA, May, 2017
- 26) **Lele AV**, Lakireddy V, Clark-Bell H, Moore A, Zimmerman J, Chesnut R, Armstead W, Vavilala MS. Prevalence, Evolution and Extent of Impaired Cerebral Autoregulation in Children Hospitalized with Mild Traumatic Brain Injury. Association of University Anesthesiologists. Annual Meeting, Chicago, IL. April 26. 2018.
- 27) **Lele AV**, Lakireddy V, Clark-Bell H, Moore A, Zimmerman J, Chesnut R, Armstead W, Vavilala MS. Serum Angiopoietin-2 in Children with Traumatic Brain Injury Association of University Anesthesiologists. Annual Meeting, Chicago, IL, April 26, 2018

#### **National Invitational Lectures:**

- 1) Cerebral circulatory arrest, brain death declaration, Advanced Workshop, Transcranial Doppler, Society for Neuroscience in Anesthesiology and Critical Care, 39<sup>th</sup> Annual meeting of Society for Neuroscience in Anesthesiology and Critical Care. San Francisco, CA, 2013
- 2) Intracerebral hemorrhage. Emergency Neurological Life Support workshop. 42<sup>nd</sup> Annual Meeting of The Society for Neuroscience in Anesthesiology and Critical Care, New Orleans, October 9, 2014
- 3) Intracranial hypertension. Emergency Neurological Life Support workshop. 42<sup>nd</sup> Annual Meeting of The Society for Neuroscience in Anesthesiology and Critical Care, New Orleans, October 9, 2014
- 4) Coma. Emergency Neurological Life Support workshop. 42<sup>nd</sup> Annual Meeting of The Society for Neuroscience in Anesthesiology and Critical Care, New Orleans, October 9, 2014
- 5) Status epilepticus. Emergency Neurological Life Support workshop. 42<sup>nd</sup> Annual Meeting of The Society for Neuroscience in Anesthesiology and Critical Care, New Orleans, October 9, 2014
- 6) Acute non-traumatic weakness. Emergency Neurological Life Support workshop. 42<sup>nd</sup> Annual Meeting of The Society for Neuroscience in Anesthesiology and Critical Care, New Orleans, October 9, 2014
- 7) Intracerebral hemorrhage. Emergency Neurological Life Support workshop. 44<sup>th</sup> Annual Meeting of The Society for Neuroscience in Anesthesiology and Critical Care, Chicago, IL, October 20, 2016



- 8) Intracranial pressure and herniation. Emergency Neurological Life Support workshop. 44<sup>th</sup> Annual Meeting of The Society for Neuroscience in Anesthesiology and Critical Care, Chicago, IL, October 20, 2016
- 9) Status epilepticus. Emergency Neurological Life Support workshop. 44<sup>th</sup> Annual Meeting of The Society for Neuroscience in Anesthesiology and Critical Care. Chicago, IL, October 20, 2016
- 10) Coma. Emergency Neurological Life Support workshop. 44<sup>th</sup> Annual Meeting of The Society for Neuroscience in Anesthesiology and Critical Care. Chicago, IL, October 20, 2016
- 11) Lung Protective Ventilation, Ventilation and Bronchoscopy Workshop, 15th Annual Meeting of the Neurocritical Care Society, Big Island, Hawaii, October 10, 2017
- 12) Brain versus the rest of the body. 16<sup>th</sup> Annual Meeting of the Neurocritical Care Society, Boca Raton, FL, September, 2018
- 13) Advanced airway techniques. Airway and Bronchoscopy Workshop. 16<sup>th</sup> Annual Meeting of the Neurocritical Care Society, Boca Raton, FL, September, 2018, (Confirmed)
- 14) Setting up quality improvement process in your neurocritical care unit. Quality Improvement Workshop. 16<sup>th</sup> Annual Meeting of the Neurocritical Care Society, Boca Raton, FL, September, 2018 (Confirmed)
- 15) Intracerebral hemorrhage. Emergency Neurological Life Support workshop. Annual Meeting of The Society for Neuroscience in Anesthesiology and Critical Care. San Francisco, CA. October, 2018, (Confirmed)
- 16) Elevated Intracranial pressure and herniation. Emergency Neurological Life Support workshop. Society for Neuroscience in Anesthesiology and Critical Care. San Francisco, CA. October, 2018, (Confirmed)

**International Invitational Lectures:**

- 1) Sedation Practices in the Neurocritical Care Unit. 17th Annual Meeting of the Indian Society of Neuroanesthesiology & Critical Care, Bengaluru, India, January, 2016
- 2) Approach to the comatose patient. Emergency Neurological Life Support Workshop. 17th Annual Meeting of the Indian Society of Neuroanesthesiology & Critical Care, Bengaluru, India, February, 2016
- 3) Elevated intracranial pressure and herniation. Emergency Neurological Life Support Workshop. 17th Annual Meeting of the Indian Society of Neuroanesthesiology & Critical Care, Bengaluru, India, February, 2016
- 4) Spinal cord compression. Emergency Neurological Life Support Workshop .17th Annual Meeting of the Indian Society of Neuroanesthesiology & Critical Care, Bengaluru, India, February, 2016
- 5) Status epilepticus. Emergency Neurological Life Support Workshop .17th Annual Meeting of the Indian Society of Neuroanesthesiology & Critical Care, Bengaluru, India, February, 2016
- 6) Elevated Intracranial pressure and herniation. Emergency Neurological Life Support Course. 19<sup>th</sup> Annual meeting of the Indian Society of Neuroanesthesia and Critical Care. Mumbai, India, January, 18, 2018
- 7) Intracerebral hemorrhage. Emergency Neurological Life Support Course. 19<sup>th</sup> Annual meeting of the Indian Society of Neuroanesthesia and Critical Care. Mumbai, India, January, 18, 2018
- 8) Subarachnoid hemorrhage. Emergency Neurological Life Support Course. 19<sup>th</sup> Annual meeting of the Indian Society of Neuroanesthesia and Critical Care. Mumbai, India, January, 18, 2018

- 9) Meningitis and encephalitis. 19<sup>th</sup> Annual meeting of the Indian Society of Neuroanesthesia and Critical Care. Mumbai, India, January, 2018
- 10) Issues in Neurocritical Care. Panel discussion, Neurocritical care. 19<sup>th</sup> Annual meeting of the Indian Society of Neuroanesthesia and Critical Care. Mumbai, India, January, 20, 2018

**Presentations:**

- 1) Malignant Hyperthermia". Educational series for operating room nurses. Calvert Memorial Hospital, Prince Frederick, MD, 2007
- 2) Use of Full Outline of Unresponsiveness (FOUR score) in coma assessment." American Academy of Neuroscience Nursing, Kansas Chapter, 2008
- 3) Role of the anesthesiologist in critical care. Kansas City Southwest Clinical Society's current management in critical care, Overland Park, KS, 2009
- 4) Brain Death examination. The University of Kansas Organ Donation Forum, Kansas City, KS, 2010
- 5) Blood pressure management in acute stroke. Bi-state stroke consortium, Kansas City, KS. 2010
- 6) Subarachnoid hemorrhage. Implications for the anesthesiologist". 60<sup>th</sup>. Annual University of Kansas Medical Center Postgraduate Anesthesiology Symposium, Kansas City, KS, 2010
- 7) Hemodynamic monitoring. Problem Based Learning Discussion. 61st Annual KU Postgraduate Anesthesiology Symposium. Kansas City, KS, 2010
- 8) Controversies in management of aneurysmal subarachnoid hemorrhage. The University of Kansas Medical Center, Department of Neurology and Neurosurgery grand rounds, Kansas City, Kansas, 2010.
- 9) Hemodynamic monitoring in the Operating Room. University of Washington Neuroanesthesia conference. Seattle, WA, 2011
- 10) Neurological support. Fundamentals of Critical Care Support Series. The University of Kansas Medical Center, Department of Surgery, Kansas City, KS, 2011
- 11) Airway. Fundamentals of Critical Care Support Series". Airway. The University of Kansas Medical Center, Department of Surgery, Kansas City, KS, 2012
- 12) Hemodynamic monitoring". Annual Critical Care Update for Nurses. The University of Kansas Medical Center, Kansas City, KS, 2012
- 13) Cerebral physiology and intracranial hypertension". The University of Kansas Medical Center, Department of Pulmonary Critical Care grand rounds, Kansas City, KS. 2012
- 14) Subarachnoid hemorrhage". Problem Based Learning Discussion. 62nd Annual KU Postgraduate Anesthesiology Symposium. Kansas City, KS, 2012
- 15) Cerebral vasospasm". The University of Kansas Medical Center, Department of Pediatrics Neurovascular Update, Kansas City, KS, 2013
- 16) Brain Death Testing: Explaining Brain Death testing results". Donate Life CE event. The University of Kansas Medical Center, Kansas City, KS, 2013
- 17) Airway, Fundamentals of Critical Care Support Series". Airway. The University of Kansas Medical Center, Department of Surgery, Kansas City, KS, 2013
- 18) Airway, Fundamentals of Critical Care Support Series". Airway. The University of Kansas Medical Center, Department of Surgery, Kansas City, KS, 2014

- 19) Urgent reversal of Warfarin in patients with acute spontaneous intracranial hemorrhage. Problem Based Learning Discussion". 62nd Annual KU Postgraduate Anesthesiology Symposium. Kansas City, KS. 2014
- 20) Complications Associated with Transport of Neurocritically Ill Patients with External Ventricular Drains. Presentation at Harborview Medical Center Educational Series, 2016
- 21) Five things Neurocritical Care. Neurology Grand Rounds. Harborview Medical Center, August 25, 2016
- 22) Subarachnoid hemorrhage. Emergency Neurologic Life Support Workshop. Harborview Medical Center, Seattle, WA, October 6, 2016
- 23) Intracerebral hemorrhage. Emergency Neurologic Life Support Workshop. Harborview Medical Center, Seattle, WA, October 6, 2016
- 24) Traumatic brain injury. Emergency Neurologic Life Support Workshop. Harborview Medical Center, Seattle, WA, October 6, 2016
- 25) Intracranial hypertension and herniation. Emergency Neurologic Life Support Workshop. Harborview Medical Center, Seattle, WA, October 6, 2016
- 26) Airway, ventilation and sedation. Emergency Neurologic Life Support Workshop. Harborview Medical Center, Seattle, WA, October 6, 2016
- 27) Resuscitation following cardiac arrest. Emergency Neurologic Life Support Workshop. Harborview Medical Center, Seattle, WA, October 6, 2016
- 28) Pharmacotherapy. Emergency Neurologic Life Support Workshop. Harborview Medical Center, Seattle, WA, October 6, 2016
- 29) Delivering Quality Care to Neurocritically Ill Patients. Presentation at University of Washington Department of Anesthesiology & Pain Medicine Grand Rounds. March 1, 2017
- 30) Quality Improvement (QI) Aspects of External Ventricular (EVD) and Lumbar Drains. Presentation at UW Department of Anesthesiology & Pain Medicine Grand Rounds, 2017
- 31) Intracranial hypertension and cerebral herniation. Emergency Neurologic Life Support Workshop. Virginia Mason Medical Center, Seattle, WA, March 30, 2018
- 32) Subarachnoid hemorrhage. Emergency Neurologic Life Support Workshop. Virginia Mason Medical Center, Seattle, WA, March 30, 2018
- 33) Acute non-traumatic weakness. Emergency Neurologic Life Support Workshop. Virginia Mason Medical Center, Seattle, WA, March 30, 2018
- 34) Pharmacotherapy. Emergency Neurologic Life Support Workshop. Virginia Mason Medical Center, Seattle, WA, March 30, 2018

#### **D. Additional Information: Research Support**

<b>Year</b>	<b>Trial</b>	<b>Site</b>	<b>Funding Source</b>	<b>Role</b>	<b>Amount</b>
2012-2014	Antihypertensive Treatment of Acute Cerebral Hemorrhage (ATACH-II)	University of Kansas Medical Center	NIH/NINDS	Site-Primary Investigator	\$96,000

2015-	NEWTON-2	Harborview Medical Center	Edge Therapeutics	Co-Investigator	0.01 FTE
2017-	ASSESSED A Study Evaluate Aqueduct's Smart External Drain NCT03113799	Harborview Medical Center	Aqueduct Critical Care	Co-PI	15% FTE
2018-2019	Perioperative Management of External Ventricular Drains by Anesthesiology Providers. EVD Aware Study	Multi-center International	Aqueduct Critical Care	Principal Investigator	\$ 10,000