

**2021 Global Neurosurgery Lyceum Series
Global Neurosurgical Update and Educational Summit
Wednesday, November 3, 2021**

Preliminary Agenda	
06:30	<i>Log-In/Virtual Exhibit Hall</i>
06:50	Welcome, Opening Remarks and Summit Overview Anil Nanda, MD, MPH
Session 1 / Global Neurosurgery Education	
07:00	Neurosurgical Education in Egypt and Africa..... Nasser El-Ghandour, MD
07:15	Neurosurgical Ethics in Daily Practice Ahmed Ammar, MBChB, DMSc
07:30	Neurosurgeons and Global Health Policy: Report on Folate Fortification Initiatives at WHO Gail Rosseau, MD
07:45	Tiding the COVID Pandemic: Innovations in Neurosurgical Teaching and Techniques Vivek Tandon, MD
Session 2 / Tumor	
08:00	Pre- Versus Postoperative Radiosurgery for Resected Brain Metastases: Timing is Everything Anthony L. Asher, MD
08:15	World Health Assembly Resolution to Cut Childhood Cancer Deaths by 50% by 2030 Frederick A. Boop, MD
08:30	En Plaque Sphenoid Wing Meningiomas Joao Paulo Farias, MD
08:45	Surgery of Meningiomas - The Greatest Reward of a Neurosurgeon? Ioan Ștefan Florian, MD, PhD
09:00	<i>Break/Virtual Exhibit Hall</i>
Session 3 / Plenary Presentations	
09:30	Introduction Anil Nanda, MD, MPH
09:45	Peter W. Carmel MD Oration..... Jonathan Holloway, PhD (Invited)
10:15	Surgery for Vestibular Schwannoman Madjid Samii, MD
10:30	Leadership and Female Empowerment in Neurosurgery: A Personal Journey Karin Muraszko, MD

10:45	Innovations in Brain Tumor Surgery in the Precision Medicine Era Steven N. Kalkanis, MD
	Session 4 / General
11:00	Intraoperative Mapping and Visualization of the Human Brain Amir Samii, MD
11:15	Neurosurgical Education in Egypt and Africa..... Najia El Abbadi, MD, PhD
11:30	Innovations and Advancements in Pediatric Epilepsy Surgery P. David Adelson, MD
11:45	Intracranial Mapping and Resection for Malformations of Cortical Development in Children Nathan R. Selden, MD, PhD
	Session 5 / Tumor
12:00	Development of Deep Learning Algorithm for Automatic Longitudinal MRI Evaluation of Brain Metastases Following Radiosurgery Yigal Shoshan, MD
12:15	Direct Convective Delivery for Gene Therapy in the Nervous System Russell R. Lonser, MD
12:30	'Tailored' Skull Base Approaches to Foramen Magnum Meningiomas Dwarakanath Srinivas, MBBS, MS, MCh
12:45	Surgery of Petroclival Meningiomas Kenji Ohata, MD, PhD
13:00	<i>Break/Virtual Exhibit Hall</i>
	Session 6 / David and Lya Neumann - Saint Barnabas Medical Center Resident and Medical Student Forum
13:30	TBD
13:40	TBD
13:50	TBD
14:00	<i>Adjourn</i>

**2021 Global Neurosurgery Lyceum Series
Global Neurosurgical Update and Educational Summit
Thursday, November 4, 2021**

	Preliminary Agenda
06:30	<i>Log-In/Virtual Exhibit Hall</i>
	Session 1 / Vascular, Global Neurosurgery
07:00	Surgical Treatment of AVM in the Hybrid Suite Ying Mao, MD, PhD
07:15	Factors Driving Long-Term Outcome after Aneurysmal Subarachnoid Hemorrhage – More Than Just Vasospasm..... Gregory J. Zipfel, MD
07:30	Robotic Stroke Treatment: The Next Frontier?..... Alexander A. Khalessi, MD, MBA, MS
07:45	Role of Neurosurgical Entrepreneurship in the Development of Global Neurosurgery Eka J. Wahjoepramono, PhD
	Session 2 / Spine, Peripheral Nerve, Trauma
08:00	Modulative Manipulation of Pain in Failed Back Surgery Syndrome Claudio G. Yampolsky, MD
08:15	Peripheral Nerve Surgery in 21st Century and Beyond: Challenges and Opportunities Lukas Rasulic, MD
08:30	The Education of a Spinal Neurosurgeon Regis W. Haid, Jr, MD
08:45	Craniocervical Junction Trauma: A Review..... Amro F. Al-Habib, MD
09:00	<i>Break/Virtual Exhibit Hall</i>
	Session 3 / Plenary Presentations
09:30	David and Lya Neumann Oration David M. Oshinsky, PhD <i>(Invited)</i>
10:00	Mentorship & Technical Excellence..... Robert F. Spetzler, MD
10:15	Surgery for Pituitary Adenoma Nelson M. Oyesiku, MD, PhD
10:30	Microsurgery of Complex Aneurysm: Should It Continue? Basant K. Misra, MS, MCh
10:45	Clinical Trials in Decompressive Craniectomies: Do We have Alternatives for Surgical Management of Intracranial Pressure? Franco Servadei, MD, PhD

	Session 4 / General
11:00	Mesial Temporal Tumors and Epilepsy Richard W. Byrne, MD
11:15	Cauda Equina Syndrome Andreas Demetriades, MB, MCh, MPhil
11:30	Task Sharing in Neurotrauma: Addressing the Scarcity of Neurosurgeons in the Bicol Region, Philippines..... Lynne Lourdes Lucena, MD
11:45	Global Perspectives of Young Neurosurgeons Angelos G. Kolia, MD, PhD
12:00	<i>Break/Virtual Exhibit Hall</i>
	Session 5 / David and Lya Neumann - Saint Barnabas Medical Center Resident and Medical Student Forum
12:30	TBD
12:40	TBD
12:50	TBD
13:00	TBD
13:10	TBD
13:20	TBD
13:30	TBD
13:40	TBD
13:50	TBD
14:00	<i>Adjourn</i>



Global Neurosurgery Lyceum Series Global Neurosurgical Update and Educational Summit

Course Director

Anil Nanda, MD, MPH, Professor and Chairman, Department of Neurosurgery, Peter W. Carmel, MD Endowed Chair of Neurological Surgery, Rutgers New Jersey Medical School and Rutgers Robert Wood Johnson Medical School; Senior Vice President of Neurosurgical Services, RWJBarnabas Health, New Brunswick, NJ, USA

Rutgers Biomedical and Health Sciences Faculty

Gaurav Gupta, MD, Associate Professor; Director, Cerebrovascular and Endovascular Neurosurgery, Department of Neurosurgery, Rutgers Robert Wood Johnson Medical School; Fellowship Director, Endovascular Neurosurgery/Neuro-Interventional Surgery Fellowship, Rutgers New Jersey Medical School and Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ, USA

Priyank K. Khandelwal, MBBS, Assistant Professor of Neurology and Neurosurgery, Director of the Endovascular Neuroradiology Fellowship Training Program, Department of Neurosurgery, Rutgers New Jersey Medical School, Newark, NJ, USA

David Kung, MD, Associate Professor of Neurosurgery; Co-Director, Endovascular Neurosurgery, Saint Barnabas Medical Center, Livingston, NJ

James K. Liu, MD, Professor; Director, Cerebrovascular/Skull Base & Pituitary Surgery; Co-Director, Endoscopic Skull Base Surgery Program, Department of Neurosurgery, Rutgers New Jersey Medical School, Newark, NJ, USA

Sudipta (Sid) Roychowdhury, MD

Clinical Professor of Radiology, Neurosurgery and Neurology; Director of Interventional Neuroradiology, Rutgers Robert Wood Johnson Medical School; Director of Magnetic Resonance Imaging, University Radiology Group, New Brunswick, NJ, USA

Ashish Sonig, MD, Assistant Professor of Neurosurgery, Rutgers New Jersey Medical School, USA

Hai Sun, MD, PhD, Associate Professor, Assistant Director of Research, Department of Neurosurgery, Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ, USA

Keynote Speaker/ Peter W. Carmel MD Oration (Invited)

Jonathan Holloway, PhD, President and University Distinguished Professor, Rutgers, The State University of New Jersey, New Brunswick, NJ, USA

Keynote Speaker/ David and Lya Neumann Oration (Invited)

David M. Oshinsky, PhD, Professor of Medicine, Director, Division of Medical Humanities, NYU Grossman School of Medicine, New York, NY, USA

Featured Speakers

P. David Adelson, MD, Director, Diane and Bruce Halle Endowed Chair in Pediatric Neurosciences, Chief, Pediatric Neurosurgery, Barrow Neurological Institute at Phoenix Children's Hospital, Phoenix, AZ, USA

Amro F. Al-Habib MD, Consultant Neurosurgeon and Spine Surgeon, King Khalid University Hospital; Professor and Head, Division of Neurosurgery, King Saud University, Riyadh, Saudi Arabia; President, Saudi Association of Neurological Surgery

Ahmed Ammar, MBChB, DMSc, Professor and Consultant Neurosurgeon, King Fahd University Hospital, Imam Faisai Bin Abdulrahman, Al Khobar, Saudi Arabia; Co-Chairman, Ethics and Legal Affairs Committee, World Federation of Neurosurgical Societies

Anthony L. Asher, MD, President and Enterprise Service Line Leader, Neuroscience Institute, Atrium Health-Wake Forest Baptist Atrium Health; Clinical Professor of Neurological Surgery, UNC School of Medicine, Chapel Hill, NC and Vanderbilt School of Medicine, Nashville, TN, USA

Frederick G. Boop, MD, Professor Emeritus, Department of Neurosurgery, University of Tennessee College of Medicine; Medical Director, Neurosurgical ICU, Le Bonheur Children's Hospital; Chief, Division of Pediatric Neurosurgery, St. Jude Children's Research Hospital, Memphis, TN, USA

Richard W. Byrne, MD, Professor and Chairman, Department of Neurosurgery, Rush Medical College, Chicago, IL, USA

Andreas Demetriades MB, BChir, MPhil, Consultant Neurosurgeon and Spinal Surgeon, Western General Hospital, Edinburgh, United Kingdom; President-Elect, European Association of Neurosurgical Societies

Najia El Abbadi, MD, PhD, Head, Department of Neurosurgery, Cheikh Zaid International University Hospital, Rabat, Morocco

Nasser El-Ghandour, MD, Professor of Neurosurgery, Faculty of Medicine, Cairo University, Cairo, Egypt; Editor In-Chief, Pan Arab Journal of Neurosurgery

Joao Paulo Farias, MD, Assistant Professor of Neurosurgery, Faculty of Medicine, University of Lisbon; Coordinator, Neurosurgery Unit, Hospital CUF Descobertas, Lisbon Portugal

Ioan Stefan Florian, MD, PhD, Head of Neurosurgery, Department of Neurosurgery, Faculty of Medicine, Iuliu Hatieganu University of Medicine & Pharmacy; Senior Neurosurgeon and Head, Department of Neurosurgery, Cluj Country Emergency Hospital, Cluj-Napoca, Romania

Regis W. Haid, Jr, MD, Founding Partner, Atlanta Brain and Spine Care, Atlanta, GA, USA; President, American Association of Neurological Surgeons

Steven N. Kalkanis MD, CEO, Henry Ford Medical Group; Chief Academic Officer, Henry Ford II Chair and Senior Vice President, Henry Ford Health System; President, Henry Ford Health System-Michigan State University Health Sciences Enterprise; Assistant Vice President, Michigan State University Health Sciences and Associate Dean, Michigan State University College of Human Medicine, Detroit, MI, USA

Alexander A. Khalessi, MD, MBA, MS, Chair, Department of Neurological Surgery, Professor of Surgery, Radiology and Neurosciences, UC San Diego Medical School, La Jolla, CA, USA

Angelos Koliass MD, PhD, Academic Consultant Neurosurgeon, School of Clinical Medicine, University of Cambridge and Addenbrooke's Hospital; Associate Director, NIHR Global Health Research Group on Neurotrauma, Cambridge, United Kingdom; Chair, Young Neurosurgeons Committee, World Federation of Neurosurgical Societies

Russell R. Lonser, MD, Professor and Chair, Department of Neurological Surgery, Dardinger Family Chair in Surgical Neuro-Oncology, The Ohio State University Wexner Medical Center, Columbus, OH, USA

Lynne Lourdes Lucena, MD, Chair of Neurosurgery, Bicol Regional Training and Teaching Hospital, Bicol Medical Center, Naga City, Philippines

Ying Mao, MD, PhD, Professor of Neurosurgery, Huashan Hospital of Fudan University, Shanghai, China

Basant Misra, MS, MCh, Head, Department of Surgery, Consultant Neurosurgeon and Head, Department of Neurosurgery and Gamma Knife Radiosurgery, PD Hinduja National Hospital and Medical Research Centre, Mumbai, India

Karin Muraszko, MD, Chair and Julian T. Hoff, M.D. Professor, Department of Neurological Surgery, Professor of Pediatrics and Plastic Surgery, University of Michigan Medical School, Ann Arbor, MI, USA

Kenji Ohata, MD, PhD, Professor Emeritus, Department of Neurosurgery, Osaka City University Graduate School of Medicine, Osaka, Japan

Nelson M. Oyesiku, MD, PhD, Chair and Professor, Department of Neurosurgery, Professor of Medicine (Endocrinology), UNC School of Medicine, Chapel Hill, NC, USA

Lukas Rasulic, MD, PhD, Professor of Neurosurgery, Faculty of Medicine, University of Belgrade; Head, Department of Peripheral Nerve Surgery, Functional Neurosurgery, and Pain Management Surgery, Clinic for Neurosurgery, University Clinical Center of Serbia, Belgrade, Serbia

Gail L. Rosseau, MD, Clinical Professor of Neurosurgery, George Washington University School of Medicine and Health Sciences, Washington, DC, USA

Amir Samii, MD, Treasurer, World Federation of Neurosurgical Societies (WFNS); Vice President and Deputy Medical Director, International Neuroscience Institute; Professor of Neurosurgery, Hannover Medical School, Hannover, Germany

Majid Samii, MD, Founder, President and Medical Director, International Neuroscience Institute, Hannover, Germany

Nathan R. Selden, MD, PhD, Professor and Chair, Department of Neurological Surgery, Campagna Chair of Pediatric Neurological Surgery, Oregon Health and Science University, Portland, OR, USA

Franco Servadei, MD, PhD, Professor of Neurosurgery, Humanitas University and Research and Teaching Hospital, Milano, Italy

Yigal Shoshan, MD, Professor and Chairman, Department of Neurosurgery, Hadassah Hebrew University Medical Center, Jerusalem, Israel; President, Israeli Neurosurgical Society

Robert F. Spetzler, MD, Emeritus Professor and CEO, Barrow Neurological Institute, Phoenix, AZ, USA

Dwarakanath Srinivas, MBBS, MS, MCh, Professor and Head, Department of Neurosurgery, and Faculty Black, Neurocenter, National Institute of Mental Health and Neurosciences, Bangalore, India

Vivek Tandon, MD, Additional Professor of Neurosurgery, All India Institute of Medical Sciences, New Delhi, India

Eka J. Wahjoepramono, PhD, Professor and Chair, Department of Neurosurgery, Faculty of Medicine & Health Sciences, Pelita Harapan University - Siloam Hospitals; Dean, of Faculty of Medicine & Health Sciences, Pelita Harapan University, Tangerang, Indonesia

Claudio G. Yampolsky, MD, Department of Neurosurgery, Italian Hospital of de Buenos Aires, Buenos Aires, Argentina

Gregory J. Zipfel, MD, Ralph G. Dacey Distinguished Professor and Chair, Department of Neurosurgery, Washington University School of Medicine; Neurosurgeon-in-Chief, Barnes-Jewish Hospital, St. Louis, MO, [USA](#)