



This CME/CE certified activity is approved for *AMA PRA Category 1 Credits™*, Continuing Nursing Education Contact Hours and AAPA Category 1 CME credit.

Global Neurosurgery: Ask Not for Whom the Bell Tolls

Virtual Symposium

Thursday, September 10,
Friday, September 11 and
Saturday, September 12, 2020



To Register:
rutgers.cloud-cme.com/GlobalNeurosurgery



RWJBarnabas
HEALTH

RUTGERS
Robert Wood Johnson
Medical School

RUTGERS
New Jersey Medical School

Course Director's Message

*"Each man's death diminishes me, For I am involved in mankind.
Therefore, send not to know, for whom the bell tolls, it tolls for thee."*

--- John Donne

Welcome to Global Neurosurgery: Ask Not for Whom the Bell Tolls



Anil Nanda, MD, MPH, FACS

It is with great pleasure that I invite you to Global Neurosurgery: Ask Not for Whom the Bell Tolls. This is a neurosurgical colloquium intended to educate, innovate, and foster a deeper understanding in Global Neurosurgery. The Department of Neurosurgery at the Robert Wood Johnson Medical School and New Jersey Medical School, as well as RWJBarnabas Health, will be sponsoring this event.

We are delighted to inaugurate the 1st Annual Peter W. Carmel Oration in recognition of Dr. Carmel's superlative contributions to medicine and neurosurgery. We will be welcoming the guru of social determinants, Sir Michael Marmot, as the orator for this occasion. Dr. Marmot has been a global authority on health inequalities for over 40 years.

In light of these perilous times, we have decided that our WFNS Global Neurosurgery Symposium, will now be a virtual meeting from September 10 to September 12, 2020. COVID-19 has reminded us why global platforms are so important to flatten the curve and heal the world.

The landmark 2015 Lancet Commission on Global Surgery stressed the dire need for surgery in a global context while presenting the vast inequities of access to safe, affordable and quality surgery. In the April 2019 issue of the Journal of Neurosurgery, Dr. James T. Rutka emphasized that the estimated gross domestic product loss from patients suffering from neurosurgical diseases will exceed \$4.4 trillion over the next 15 years. There are approximately 50,00 neurosurgeons worldwide, but an additional 23,000 neurosurgeons needed to meet current patient loads, specifically in Africa and Southeast Asia.

This symposium will coincide with the Administrative Council meeting of the World Federation of Neurosurgical Societies. A galaxy of international superstars will be joining us to address the various aspects of neurosurgery. A global call for abstracts has gone out, along with a section for residents and medical students as well. I want to invite you and encourage your residents, medical students, and faculty to attend. We look forward to your enthusiastic response. If you have any questions, please feel free to contact me.

Anil Nanda, MD, MPH, FACS

*Professor and Chairman, Department of Neurosurgery
Rutgers-New Jersey Medical School & Robert Wood Johnson Medical School
Peter W. Carmel M.D. Endowed Chair of Neurological Surgery
Senior Vice President of Neurosurgical Services, RWJBarnabas Health*

We are delighted to announce the first David and Lya Neumann Saint Barnabas Medical Center Resident and Medical Student forum.

We're very grateful to Dr. Hubschmann and Dr. Koziol from Saint Barnabas Medical Center, who facilitated a generous sponsorship for medical and resident education from the David and Lya Neumann Foundation.

This will be an exciting avenue for our medical students and neurosurgery residents to present their research and interact with colleagues from across the globe. We will be offering prizes for the residents and students of the best abstract. The award-winning abstracts will also be featured on our plenary session.


About David and Lya Neumann

David and Lya Neumann fled Nazi-controlled Europe to the United States with next to nothing in their pockets. David and his family arrived in November 1938 from Germany, while Lya and her family arrived in May 1940 from Holland. After meeting and getting married in 1950 shortly after, they began a beautiful life together growing a family, starting a family business, and staying connected to their Jewish roots. David passed away in 2013 and Lya in 2017. Throughout their lives together, they always felt tremendous gratitude to everything this country has done for them. They consistently preached the importance of giving and, more specifically, giving back towards practical, impactful foundations and charities that helped the larger community around them. Donating to Neurosurgery at Saint Barnabas Medical Center did just that; enabling doctors and caregivers to both heal patients and empower them to live their lives to the fullest extent through education and research.



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Global Neurosurgery: Ask Not for Whom the Bell Tolls World Federation of Neurosurgical Societies

Thursday, September 10,
Friday, September 11 and
Saturday, September 12, 2020

Call for Abstracts

Submission Deadline: Monday, July 13, 2020
The symposium is accepting abstracts.

The submission deadline for abstracts is July 13, 2020.
Notification of abstract status will be emailed by
August 3, 2020.

Guidelines:

- Abstracts must be submitted and presented only in English.
- Individuals should submit material only if they, or a designee, are committed to registering for and attending the conference to present the paper or poster.
- There is no limit to the number of abstracts you may submit.
- There is one type of presentation: oral.
- All abstracts must have conclusion/results completed by the submission date. Abstracts describing data that have not yet been collected and/or analyzed as of the abstract deadline will be rejected.
- Registration is not mandatory in the submission process. However, all presenters must have registered and paid for the conference by August 7, 2020; otherwise the abstract will not be included in the final program.

- ALL authors must complete and submit a CME/CE disclosure form.
- Abstracts may be edited until the deadline for submission. After that date, no changes in content or authors may be made. Edits would include changing the title, adding or deleting authors or changing the abstract body. Once the review process begins, no changes to the submissions are allowed; no exceptions.
- Abstracts must promote quality in healthcare or advances in science and must not promote a specific product or pharmaceutical, biotech and/or device company. In addition, abstracts selected for the symposium cannot contain advertising, trade names or a product-group message. Generic names or terms must be used in your abstract content.

Members of Industry: Your abstract content must be limited to basic science research (e.g., preclinical research, drug discovery) or the processes/methodologies of research, themselves unrelated to a specific disease or compound/drug. Content must not be related to clinical applications of the research/discovery or clinical recommendations concerning the business lines or products of your employer.

**For complete Abstract Instructions, visit the symposium website at rutgers.cloud-cme.com/GlobalNeurosurgery or email Erin Dunkley at ed525@rwjms.rutgers.edu.*

Goals and Objectives:

1. To create a platform for societies from developing countries to discuss the current development of Neurosurgery in their respective countries, especially related to the education of young neurosurgeons.
2. To create an opportunity for all representatives of members' countries to present regarding neurosurgical services in their respective countries.
3. To understand the facilities and level of development in Neurosurgery of each member's country.
4. To create a database on the regional neurosurgical services used to formulate long-term strategies to improve the neurosurgical development in human resources, facilities, and adaptation of current modern technologies.
5. To understand the regional health policies and their implications on the delivery of care in neurosurgery.
6. To understand the challenges posed due to cultural differences in implementing a uniform standard of care globally.

Learning Objectives:

Upon completion of this activity, participants should be better able to:

1. Recognize the worldwide disparities in neurosurgical care and its consequences.
2. Identify existing international outreach programs.
3. Use big data to promote global neurosurgery.
4. Describe the role of neurosurgeons in advocating for health policy creation and reform as well as prevention of neurosurgical disease states in their respective regions.
5. Describe developing areas of research concerning neurosurgical global health issues.

Target Audience:

This activity is designed for physicians, surgeons, advanced practice nurses, nurses, physician assistants, medical students, residents and fellows, working in the fields of internal medicine, hospital medicine, neurology, neurosurgery, physical and rehabilitation medicine, and trauma whose practice focuses on the diagnosis, management and treatment of patients with neurosurgical conditions.

Method of Participation:

In order to meet the learning objectives and receive continuing education credits, participants are expected to attend the program and complete an online evaluation at the conclusion of the activity. A letter certifying attendance and credit verification will be emailed to participants upon completion of the online evaluation survey.

Accreditation:



In support of improving patient care, this activity has been planned and implemented by Rutgers Biomedical and Health Sciences and RWJ Barnabas Health. Rutgers Biomedical and Health Sciences is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Physicians: Rutgers Biomedical and Health Sciences designates this live activity for a maximum of 16.75 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nurses: This activity is awarded 16.75 contact hours. (60-minute CH). Nurses should only claim those contact hours actually spent participating in the activity.



Physician Assistants: Rutgers Biomedical and Health Sciences has been authorized by the American Academy of PAs (AAPA) to award AAPA Category 1 CME credit for activities planned in accordance with AAPA CME Criteria. This activity is designated for 16.75 *AAPA Category 1 CME credits*. PAs should only claim credit commensurate with the extent of their participation.

Program Speakers



Enrique Osorio-Fonseca, MD, (Columbia) *President of the XVII Congress, WFNS 2021 Associate Professor Universidad El Bosque, Bogotá, Colombia*



Franco Servadei, MD, PhD, (Italy) *Professor of Neurosurgery, Humanitas University and Research Hospital, Milano, Italy*



Nelson M. Oyesiku, MD, PhD, (USA) *President-Elect, WFNS; Professor, Neurosurgery and Medicine (Endocrinology), Emory University School of Medicine*



Basant Misra, MS, MCh (India) *First Vice-President, WFNS, Head of Department of Neurosurgery, PD Hinduja Hospital and MRC, India*



Amir Samii, MD, (Germany) *Treasurer, WFNS Vice President, International Neuroscience Institute, Hannover*



Claudio Yampolsky, MD, IFAANS, FLANC (Argentina) *President, Department of Neurosurgery, Hospital Italiano de Buenos Aires, Capital Federal, Buenos Aires, Argentina*



Yoko Kato, MD, PhD, (Japan) *Professor and Chair, Department of Neurosurgery, Fujita Health University Banbuntane Hotokukai Hospital, Japan Founder, Women's Neurosurgical Association (WNA) of Japan Founder, The Asian Women's Neurosurgical Association*



Nasser El-Ghandour, MD, (Egypt) *Professor of Neurosurgery, Cairo University, Egypt*



Andre Grotenhuis, MD, PhD, (The Netherlands) *Professor of Neurosurgery, Radboud University Medical Center, Netherlands*



Kenan Arnautovic, MD, PhD, (USA) *Neurosurgeon, Semmes Murphey Clinic, Memphis, TN; Professor, Department of Neurosurgery, School of Medicine, The University of Tennessee*



Najia El Abbadi, MD, PhD, (Morocco) *Assistant Treasurer, WFNS Head Of Department of Neurosurgery, International University Hospital Cheikh Zaid*



Mahmood Gureshi, MBChB, MMed, (Kenya) *Chairman, Neurological Society of Kenya*



Graham Fieggen, BSc, MSc, MBChB, MD, (South Africa) *Professor of Neurosurgery, University of Cape Town, South Africa*



Ahmed Ammar, PhD, (Saudi Arabia) *Co-Chairman of the World Federation of Neurosurgical Societies (WFNS) Ethics & Medico-Legal Affairs Committee*



Kee B. Park, MD, (USA) *Lecturer on Global Health and Social Medicine, Harvard Medical School Consultant, World Health Organization (WHO) Expert Advisory Panel on Surgical Care and Anesthesia*



Hildo Azevedo-Filho, MD, PhD, MSc (Brazil) *Medical Doctor, Department of Neurosurgery Hospital da Restauração, Recife, Pernambuco, Brazil*



Francesco Tomasello, MD (Italy) *Department of Neurosurgery, University of Messina, Messina, Italy*



Yong-Kwang Tu, MD, PhD (Taiwan) *Department of Neurology, Shuang Ho Hospital, Taipei Medical University, New Taipei City, Taiwan; Taipei Neuroscience Institute, Taipei Medical University, Taiwan*



Ugur Türe, MD (Turkey) *Department of Neurosurgery, Yeditepe University School of Medicine, Istanbul, Turkey*



Abderrahmane Sidi Said, MD (Algeria) *Professor of Neurosurgery University of Algiers*

Program Speakers



Professor Sir Michael Marmot



Robert F. Spetzler, MD



Isabelle M. Germano, MD, MBA



William T. Couldwell, MD,
PhD, FAC



Michael J. Link, MD



Karin Muraszko, MD



Alan R. Turtz, MD, FACS



Gail Rosseau, MD,
FAANS, FACS



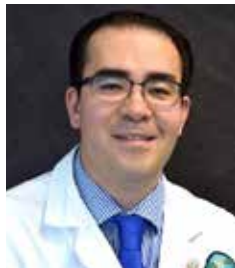
Barth A. Green, MD



Christopher S. Ogilvy, MD



Gerald Grant, MD, FACS



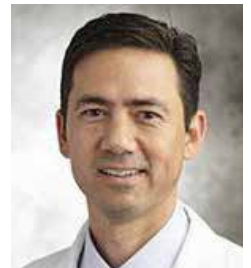
Aaron S. Dumont, MD,
MBA, FACS, FAHA, FAANS



Philip E. Stieg, PhD, MD



Fady T. Charbel, MD,
FAANS, FACS



Peter Nakaji, MD



Richard G. Ellenbogen, MD



Dhaval Shukla, MCh



Amgad Hanna, MD



Michael Schulder, MD



Costas Hadjipanayi, MD, PhD



Prashant Chittiboina, MD



Arno H. Fried, MD, FACS, FAAN

Scientific Organizing Committee



Anil Nanda, MD, MPH, FAANS



Gaurav Gupta, MD



James K. Liu, MD



Detlev Boison, PhD



Shabbar Danish, MD



Jasdeep S. Hundal, Psy.D., ABPP-CN



Joseph Koziol, MD



Ira Goldstein, MD



Hai Sun, MD, PhD



John L. Gillick, MD



Priyank Khandelwal, MD



Rachid Assina, MD



Stephen Johnson, MD



Pankaj K. Agarwalla, MD



Amit Singla, MD



Alice Edwards, PA



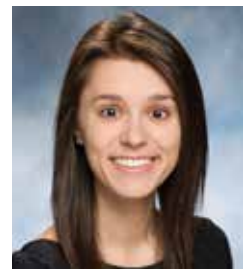
Kee B. Park, MD



Ernest J. Barthélemy, MD, MA, MPH



Rosemary Behmer Hansen, MA, MPH



Elizabeth Ginalis, MD



Nicole Silva, MD



Bharath Raju, MD, MCh



Judith Lane,
Assistant Vice President
Clinical Operations



1st Inaugural Peter Carmel Oration

Peter W. Carmel, MD

Dr. Peter W. Carmel is past Chair Emeritus of the Department of Neurological Surgery at the University of Medicine and Dentistry of New Jersey (formerly UMDNJ), now Rutgers School of Biomedical and Health Sciences, and was a professor of Neurological Surgery at the New Jersey Medical School. Dr. Carmel served as the founding chair of the Department of Neurosurgery at Rutgers for over 25 years, and was the founding co-medical director of the Neurological Institute of New Jersey in Newark, NJ.

Notably, Dr. Carmel served as President of the American Medical Association from 2011-2012, and has also held leadership positions in professional organizations including, the Congress of Neurological Surgeons and the American Association of Neurological Surgeons. He served as President of the National Coalition for Research in Neurological Diseases and Stroke, the National Foundation for Brain Research. Dr. Carmel has made seminal contributions to neurosurgery and medicine, and received numerous awards and honors throughout his illustrious career. This inaugural oration is in recognition of his iconic contributions to the field of neurosurgery, medicine and education.



Professor Sir Michael G. Marmot, MBBS, MPH, PhD, FRCP, FFPHM, FMedSci, FBA

Professor Sir Michael Marmot is Professor of Epidemiology at University College London, Director of the UCL Institute of Health Equity, and Past President of the World Medical Association.

Professor Marmot has led research groups on health inequalities for over 40 years. He chairs the Commission on Equity and Health Inequalities in the Americas, set up in 2015 by the World Health Organizations' Pan-American Health Organization (PAHO/WHO). He was Chair of the Commission on Social Determinants of Health (CSDH), which was set up by the World Health Organization in 2005, and produced the report entitled: *'Closing the Gap in a Generation'* in August 2008.

Registration Information

Symposium Fees	Early Bird Through August 31, 2020	After August 31, 2020
Physicians	\$100	\$125
Physicians (LMIC)	\$50	\$65
Other Healthcare Professionals/Providers	\$50	\$65
Industry/Hospital Administrators/Non-Medical Providers	\$145	\$170
US Residents/Fellows in Training*	\$25	\$25
US Healthcare Students*	\$10	\$10
Resident/Fellow in Training/Healthcare Student (LMIC)*	Complimentary	

*Registration must be accompanied by program director's letter confirming status of resident/fellow student. Please upload your letter when registering or fax to **973-972-3371**.

To Register: rutgers.cloud-cme.com/GlobalNeurosurgery

Registration fee includes continuing education credits and course material. Registration can only be accepted through our secure on-line website through September 7, 2020. Registration will not be accepted after September 7, 2020. Registration will not be officially confirmed until payment is received. If payment is not received in time for the activity, Rutgers reserves the right to cancel your registration.

Confirmation: Once registered, you will receive an email confirmation. As the activity date approaches, you will receive additional information to assist you with your plans to participate in the activity.

Course Material: In an effort to provide the most complete materials to attendees and conserve resources, PDF versions of the lecture slides will be made available on-line to registered attendees.

Cancellation Policy: A full refund, less a \$25 cancellation fee, will be granted if notice is received no later than September 9, 2020. Refunds will not be issued for any cancellation received after September 9, 2020, and cannot be given for no shows. To cancel, please email your cancellation request to ccoe@rbhs.rutgers.edu.

Additional Information: Contact CCOE by email at ccoe@rbhs.rutgers.edu with any questions, concerns, or if you require special needs arrangements at the conference.

Rutgers and RWJBarnabas Health reserve the right to modify program content, faculty and program activities. They also reserve the right to cancel the activity if necessary. If the activity is cancelled, liability is limited to the registration fee.

