



Connecting the neurosurgical community around the globe

# INTERNATIONAL WEB-BASED NEUROSURGERY CONGRESS

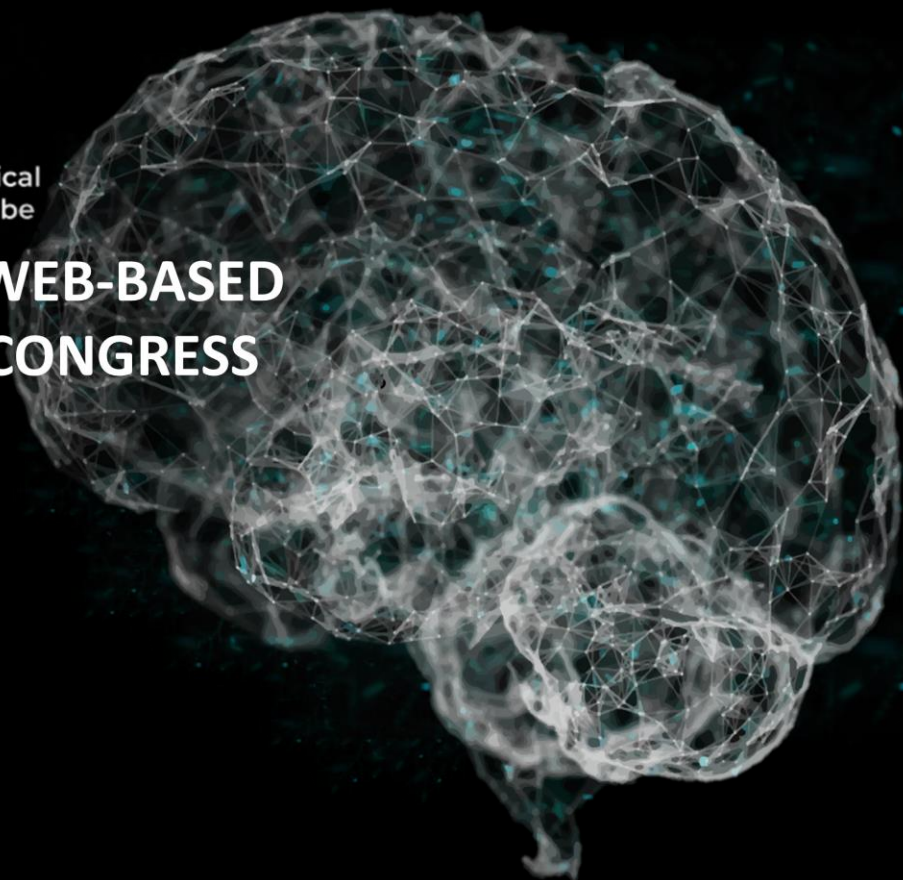
May 21st - 23rd

9:00 – 20:00 EDT

Live stream:

**Zoom** YouTube **LIVE**

Free Registration  
[www.cienhus.com](http://www.cienhus.com)



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## Welcome to the 2020 International Web-Based Neurosurgery Congress 2020

Nowadays, neurosurgical education is facing difficulties. As you know, there is a restriction in academic meetings due to social isolation during the COVID-19 pandemic. Therefore, we have created a strategy for promoting global academic education through conferences with world-class neurosurgeons and spine surgeons in the collective interest of neurosurgery. On behalf of the Center for Research and Training in Neurosurgery (CIEN), Hospital Universitario Mayor – Méderi, Hospital Universitario Barrios Unidos – Méderi, Hospital Universitario de la Samaritana and Universidad del Rosario School of Medicine, we are pleased to invite the neurosurgical community to join the first International Web-Based Neurosurgery Congress (IWBNC).

The IWBNC features a three-day online non-profit event dedicated to neurosurgeons, spine surgeons, neurosurgery residents, fellows, and medical students. With a high-quality scientific program, the meeting will gather leading neurosurgeons and spine surgeons, acknowledged by the most remarkable world-renowned contributions to the neurosurgery field. The meeting will have a total of 30 conferences, going through different neurosurgical topics. The program includes vascular, oncology, pediatric, spine, functional and epilepsy neurosurgery, and neurosurgery education topics.

We offer our gratitude to the speakers who embraced this idea. Joining from different countries, including the United States, France, Japan, and Colombia, they are the cornerstone of this meeting. We would also like to thank our residents, fellows, and professors who have worked relentlessly to bring this dream to life.

Finally, we extend our sincere appreciation and gratitude to all of you around the world who, despite different time zones, work, and other duties, have shown interest in participating in our congress. We know you will find this meeting a valuable and rewarding experience.

Sincerely,



**W. Mauricio Riveros, MD, MSc.**

Professor of Neurosurgery, Universidad del Rosario  
Director, Neurosurgery Residency Program, Universidad del Rosario  
Director, Center for Research and Training in Neurosurgery (CIEN)  
Chief, Department of Neurosurgery, Hospital Universitario de la Samaritana  
Chief, Neurosurgery Service, Hospital Universitario Mayor – Méderi, Hospital Universitario Barrios Unidos – Méderi





## Organizing Committee

David Vergara-Garcia, MD, Chief Resident  
Mauricio Barrios, MD, Resident  
Francisco Pérez, MD, Resident  
Camilo Benavides, MD, Resident  
Humberto Madriñan, MD, Resident  
Luis Arquez, MD, Resident  
Alberto Daza, MD, Resident  
Pablo Sánchez, MD, Resident  
Luis Beltrán, MD, Resident  
Esteban Ramírez, MD, Resident  
Miguel Ruiz, MD, Research Fellow  
Javier Saavedra, MD, Msc  
Mauricio Riveros, MD, Msc

**Bogotá, Colombia.**

## Event details

**Date: May 21<sup>st</sup> - 23<sup>rd</sup>, 2020.**

**Time: 9:00 - 20:00 Eastern Daylight Time (EDT).**

[Register Here](#)

IWBNC will be streamed via ZOOM.  
Please download the app.

[Download Zoom](#)

### Conference Rules:

- The assigned duration for each lecture will be 40 minutes, followed by a 10-minute question and answer session.
- Your picture/video may be published online; you are consenting to this by joining the conference.
- All participants will be muted to avoid multiple speakers; host(s) will take questions from the question and answer panel.
- Please sign in using your full name to facilitate identification and discussions.
- If the conference room on Zoom is full, you are invited to join the YouTube LIVE broadcast



**Vascular Neurosurgery**

**Fady Charbel, MD**

Head and Professor  
Department of  
Neurosurgery  
Chief of Neurovascular Section  
University of Illinois



**Michael Lawton, MD**

President and CEO, Professor and  
Chair of Neurosurgery and  
Neurovascular Surgery, Barrow  
Neurological Institute



**Christopher Loftus, MD**

Professor of Neurosurgery, Temple  
University Lewis Katz School of  
Medicine, CEO Division of Neurological  
and Physical Medicine Devices



**Jacques Morcos, MD**

Professor and Co-Chairman,  
Department of Neurological Surgery  
Jackson Memorial Hospital. Director,  
Cerebrovascular and Skull Base  
Fellowship Program University of Miami



**Christopher Ogilvy, MD**

Professor of Neurosurgery, Harvard  
Medical School. Director,  
Endovascular and Operative  
Neurovascular Surgery,  
Beth Israel Deaconess Medical  
Center Brain Aneurysm Institute



**Rokuya Tanikawa, MD**

Professor of Neurosurgery, Tokyo  
Medical University. Executive vice  
President, Director Department of  
Neurosurgery, Stroke center  
Teishinkai Hospital, Sapporo, Japan



**Ajith Thomas, MD**

Associate Professor of Neurosurgery,  
Harvard Medical School. Director,  
Endovascular and Operative  
Neurovascular Surgery, Beth Israel  
Deaconess Medical Center Brain  
Aneurysm Institute



**Oncological Neurosurgery**

**Hugues Duffau, MD, PhD**

Professor and Chairman, Department of Neurosurgery, Gui de Chauliac Hospital, Montpellier University Medical Center, Director of the Team "Brain plasticity, Human stem cells and Glial Tumors"



**Juan Fernandez-Miranda, MD**

Professor of Neurosurgery and Medicine, Stanford University. Surgical Director of Brain Tumor, Skull Base and Pituitary Centers. Director, Neurosurgical Training and Innovation Center-NeuroTraIn Center, Stanford University Medical Center



**Paul Gardner, MD**

Peter J. Jannetta Professor of Neurological Surgery, University of Pittsburgh School of Medicine. Director, Center for Skull Base Surgery, University of Pittsburgh Medical Center



**L Dade Lunsford, MD**

Lars Leksell Professor of Neurological Surgery Distinguished Professor of Neurological Surgery, University of Pittsburgh. Director, Center for Image Guided Neurosurgery. Director, Neurosurgery Residency Program. Chair, Technology and Innovative Practice Committee



**Nader Sanai, MD**

J.N. Harber Professor of Neurological Surgery, Francis & Dionne Najafi Chair in Neurosurgical Oncology. Director, Division of Neurosurgical Oncology Director, Ivy Brain Tumor Center, Barrow Neurological Institute



**Theodore H. Schwartz, MD**

David and Ursel Barnes Professor of Minimally Invasive Neurosurgery. Director, Anterior Skull Base and Pituitary Surgery. Director, Epilepsy Research Laboratory, New York Presbyterian Hospital-Weill Cornell Medical Center



**Spine Surgery**

**Mark Bilsky, MD**

William E. Snee Endowed Chair  
Vice-Chairman of Clinical Affairs,  
Neurosurgery, Chief, Multi-Disciplinary  
Spine Tumor Service at Memorial  
Sloan Kettering's New York City



**Roger Härtl, MD**

Professor of Neurological Surgery  
Weill Cornell Brain and Spine Center.  
Director, Weill Cornell Medical  
Center for Comprehensive Spine  
Care. Director, Spinal Surgery and  
Neurotrauma, Department of  
Neurological Surgery



**Paul Park, MD**

Professor of Neurological Surgery  
and Orthopaedic Surgery,  
University of Michigan. Director,  
Neurosurgery Spine Program  
University of Michigan Health  
Systems



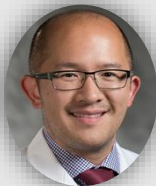
**John Shin, MD**

Assistant professor of Neurosurgery,  
Harvard Medical School. Director, Spinal  
Deformity & Spine Oncology Surgery,  
Massachusetts General Hospital



**Khoi Than, MD**

Associate Professor, Departments of  
Neurosurgery and Orthopaedic  
Surgery, Duke Raleigh Hospital,  
Duke Spine Center



**Jorge Torres, MD, MSc**

Professor of Neurosurgery Universidad  
del Rosario. Fellow minimally invasive  
spine surgery, Co-director spine  
laboratory , CIEN HUS-Méderi



**Juan Uribe, MD**

Professor and Vice-Chairman  
Department of Neurological Surgery.  
Chief, Division of Spinal Disorders.  
Volker K. H. Sonntag Chair of Spine  
Research, Barrow Neurological  
Institute





**Pediatric Neurosurgery**

**David Adelson, MD**

Director, Barrow Neurological Institute at Phoenix Children's Hospital, Diane and Bruce Halle Endowed Chair, Pediatric Neurosurgery



**Jeffrey H. Wisoff, MD**

Professor of Neurosurgery and Pediatrics, New York School of Medicine. Director, Pediatric Neurosurgery Hassenfeld Children's Hospital



**Michael L. Levy, MD, PhD**

Professor of Neurosurgery, UC San Diego School of Medicine. Chief, Pediatric Neurosurgery, Rady Children's Hospital-San Diego



**Functional and Epilepsy Neurosurgery**

**Mark Richardson, MD, PhD**

Associate Professor of Neurosurgery, Harvard Medical School. Director, Functional Neurosurgery, Massachusetts General Hospital. Visiting Associate Professor, Massachusetts Institute of Technology



**Neurosurgery Education**

**Javier M. Saavedra, MD, MSc**

Professor of Neurosurgery, Universidad del Rosario. Fellowship in Endoscopic Skull Base Surgery. Scientific Director at CIEN. Co-Director Laboratory of Anatomy and Digital Technologies, CIEN HUS-Méderi



**INTERNATIONAL WEB-BASED NEUROSURGERY CONGRESS - 2020 IWBNC**
**Day 1 - Thursday, May 21, 2020**

<b>Time (EDT US)</b>	<b>Topic</b>	<b>Speaker</b>	<b>Affiliation</b>	<b>Subspecialty</b>
<b>8:55 - 9:00</b>	Welcome	Carlos Sefair	President Hospital Universitario Mayor Méderi	
		Fernando Mancera	Director Hospital Universitario de la Samaritana	
<b>9:00 - 10:00</b>	The Evolution of Pediatric Traumatic Brain Injury and Neurocritical Care	David Adelson	Barrow Neurological Institute at Phoenix Children's Hospital, Phoenix	Pediatric
<b>10:00 - 11:00</b>	Long-term Outcome After Endonasal Surgery for Suprasellar Meningiomas and Craniopharyngiomas	Theodore Schwartz	New York Presbyterian Hospital-Weill Cornell Medical Center, New York	Oncology
<b>11:00 - 12:00</b>	Surgical Strategies for Insular Gliomas	Nader Sanai	Barrow Neurological Institute, Phoenix	Oncology
<b>12:00 - 13:00</b>	Seven Bypasses	Michael Lawton	Barrow Neurological Institute, Phoenix	Vascular
<b>13:00 - 14:00</b>	Brain Metastasis Radiosurgery: A Game-changer for Neurosurgeons and Oncologists	L Dade Lunsford	University of Pittsburgh, Pittsburgh	Oncology
<b>14:00 - 15:00</b>	Refining the Role of Endoscopic Endonasal Surgery: When Is It Standard of Care	Paul Gardner	University of Pittsburgh School of Medicine, University of Pittsburgh Medical Center, Pittsburgh	Oncology
<b>15:00 - 16:00</b>	EC-IC Bypass: The Art and the Logic	Fady Charbel	University of Illinois, Chicago	Vascular
<b>16:00 - 17:00</b>	Anticoagulation, Hemostasis, and Reversal in Neurosurgery	Christopher Loftus	Temple University Lewis Katz School of Medicine, Philadelphia	Vascular
<b>17:00 - 18:00</b>	Contemporary Management of Unruptured Aneurysms in the United States	Christopher Ogilvy	Beth Israel Deaconess Medical Center, Harvard Medical School, Boston	Vascular
<b>18:00 - 19:00</b>	Step-wise Anatomically-based Resection of the Medial Wall of the Cavernous Sinus: A Game-changing Technique in Pituitary Surgery	Juan Fernandez-Miranda	Stanford University Medical Center, Stanford University, Stanford	Oncology
<b>19:00 - 20:00</b>	Five Principles of Spinal MIS: Target, Technology, Technique, Training and Testing the Boundaries	Roger Härtl	Weill Cornell Medical Center, New York	Spine

**INTERNATIONAL WEB-BASED NEUROSURGERY CONGRESS - 2020 IWBNC**
**Day 2 - Friday, May 22, 2020**

<b>Time (EDT US)</b>	<b>Topic</b>	<b>Speaker</b>	<b>Affiliation</b>	<b>Subspecialty</b>
<b>9:00 - 10:00</b>	Current Application of Robotics in Spine Surgery	Paul Park	University of Michigan, Ann Arbor	Spine
<b>10:00 - 11:00</b>	The MIS Lateral Paradigm	Juan Uribe	Barrow Neurological Institute, Phoenix	Spine
<b>11:00 - 12:00</b>	Early Maximal Safe Resection In Low-grade Gliomas: A Personalized Connectome-based Approach About > 1000 Awake Surgeries	Hugues Duffau	Gui de Chauliac Hospital, Montpellier University Medical Center, France	Oncology
<b>12:00 - 13:00</b>	Tissue-Based Clinical Trials for Aggressive Brain Tumors	Nader Sanai	Barrow Neurological Institute, Phoenix	Oncology
<b>13:00 - 14:00</b>	The Role of Resection in Craniopharyngioma	Jeffrey Wisoff	Hassenfeld Children's Hospital, New York School of Medicine, New York	Pediatric
<b>14:00 - 15:00</b>	The Management of Complex Pediatric Aneurysmal Malformations	Michael Levy	Rady Children's Hospital, UC San Diego School of Medicine, San Diego	Pediatric
<b>15:00 - 16:00</b>	Movement Disorders Surgery Research and Innovation	Mark Richardson	Massachusetts General Hospital, Harvard Medical School, Boston	Functional
<b>16:00 - 17:00</b>	Modern Epilepsy Evaluation and Advanced Treatment Options	Mark Richardson	Massachusetts General Hospital, Harvard Medical School, Boston	Epilepsy
<b>17:00 - 18:00</b>	Cervical Spinal Deformity: Alignment Considerations and Osteotomy Techniques for Correction	John Shin	Massachusetts General Hospital, Harvard Medical School, Boston	Spine
<b>18:00 - 19:00</b>	Bypass Surgery for Aneurysms and Moyamoya: A Necessary Skill. Rationale, Techniques, and Results	Jacques Morcos	Jackson Memorial Hospital, University of Miami, USA	Vascular
<b>19:00 - 20:00</b>	Vascular Reconstructions and Appropriate Approaches for Complex Aneurysm	Rokuya Tanikawa	Sapporo Teishinkai Hospital, Japan	Vascular
<b>20:00 - 21:00</b>	Application of Skull Base Approaches for Complex Aneurysm	Rokuya Tanikawa	Sapporo Teishinkai Hospital, Japan	Vascular

**INTERNATIONAL WEB-BASED NEUROSURGERY CONGRESS - 2020 IWBNC**
**Day 3 - Saturday, May 23, 2020**

<b>Time (EDT US)</b>	<b>Topic</b>	<b>Speaker</b>	<b>Affiliation</b>	<b>Subspecialty</b>
<b>8:00 - 9:00</b>	Challenges in Neurosurgical Training: Establishing Hi-Tech Neurosurgery Research and Training Laboratories	Javier Saavedra	CIEN, Méderi University Hospital, Samaritana University Hospital, Rosario University, Colombia	Education
<b>9:00 - 10:00</b>	The Ever-Changing Role of Surgery in the Treatment of Metastatic Spine Tumors	Mark Bilsky	Memorial Sloan Kettering Cancer Center, New York	Spine
<b>10:00 - 11:00</b>	Brainstem Cavemomas: Concepts, Strategies, and Technical tips	Jacques Morcos	Jackson Memorial Hospital, University of Miami, USA	Vascular
<b>11:00 - 12:00</b>	Evaluation and Management of Dural Arteriovenous Fistulas	Ajith Thomas	Beth Israel Deaconess Medical Center, Harvard Medical School, Boston	Vascular
<b>12:00 - 13:00</b>	The Case Against PEEK for ACDF	Khoi Than	Duke University, Durham	Spine
<b>13:00 - 14:00</b>	MIS Surgery in The Treatment Of Spinal Metastatic Disease	Jorge Torres	CIEN, Méderi University Hospital, Samaritana University Hospital, Rosario University, Colombia	Spine
<b>14:00 - 15:00</b>	Pediatric Neurosurgery	Michael Levy	Rady Children's Hospital, UC San Diego School of Medicine, San Diego	Pediatric
<b>15:00 - 15:05</b>	Closure	Mauricio Riveros	CIEN, Méderi University Hospital, Samaritana University Hospital, Rosario University, Colombia	Education



## Center for Research and Training in Neurosurgery (CIEN)

The Center for Research and Training in Neurosurgery (CIEN) is a Colombian non-profit organization whose purpose is to promote research and training in the neurosurgical field.


Since its foundation, it has been offering collaboration and free education to neurosurgeons, neurosurgery residents, fellows, and medical students worldwide. Nowadays, it has become one of the most relevant neurosurgical research centers in Latin America.







**Hands-on Courses at CIEN**

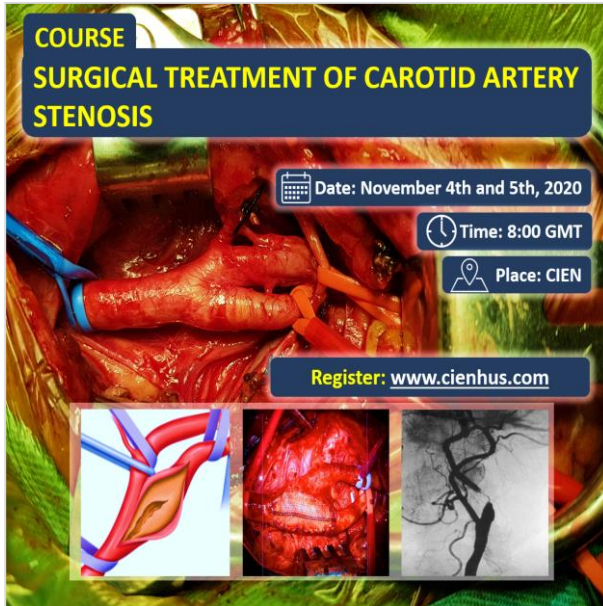


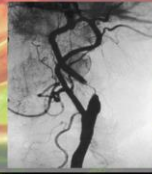
**COURSE**  
**SURGICAL TREATMENT OF CAROTID ARTERY STENOSIS**

 Date: November 4th and 5th, 2020

 Time: 8:00 GMT

 Place: CIEN

**Register: [www.cienhus.com](http://www.cienhus.com)**

**COURSE**  
**FUNDAMENTALS OF MINIMALLY INVASIVE SPINE SURGERY**

 Date: December 9th and 10th de 2020

 Time: 8:00 GMT.


 Place: CIEN


**Register: [www.cienhus.com](http://www.cienhus.com)**








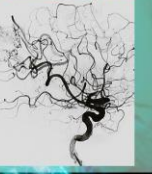

**COURSE**  
**SIMULATION TRAINING IN ENDOVASCULAR SURGERY SKILLS**

 Date: September 2nd - 3rd, 2020

 Time: 8:00 GMT.

 Date: CIEN

**Register: [www.cienhus.com](http://www.cienhus.com)**

**COURSE**  
**EPILEPSY SURGERY TECHNIQUES**

 Date: Noviembre 25th - 26th, 2020

 Time: 8:00 GMTG.

 Place: CIEN

**Register: [www.cienhus.com](http://www.cienhus.com)**






**Visit our Courses**



**Webinars CIEN**



**Theodore H. Schwartz, M.D., FACS**  
*David and Ursel Barnes Professor of Minimally Invasive Neurosurgery  
 Director, Anterior Skull Base and Pituitary Surgery  
 Director, Epilepsy Surgery and Research Laboratory  
 Departments of Neurological Surgery, Otolaryngology and Neuroscience.  
 Weill Cornell Medicine, Department of Neurosurgery, New York.*

Dr. Schwartz is a pioneer of Endoscopic Skull Base Surgery. He has been named on the "New York Super Doctors" and "Best Doctors in New York" lists, as well as been recognized as one of the country's Top Surgeons. His research has been widely published and he has received numerous awards for his work.

Visit Doctor Schwartz's YouTube Channel  Minimally Invasive Brain Tumor Surgery

## NUANCES IN MINIMALLY INVASIVE SKULL BASE SURGERY

Feb. 3rd, 2020 - 16:00





**WEBINAR**  
zoom

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**HUS**  
HOSPITAL UNIVERSITARIO DE LA SAMARITANA  
*Empresa Social del Estado*




**Leonardo Palacios Sánchez, M.D.**  
*Professor of Neurology at Rosario University, Fellowship in Pediatric Neurology at University of Paris "V" René Descartes. Director of the Neuroscience and Humanities research group at Rosario University. Former president of the School of Medicine and Health Sciences at Rosario University.*


Dr. Palacios is one of Colombia's most renowned neurologists and science broadcasters. An outstanding speaker and an expert on the brain and positive emotions. He is frequently Invited to deliver lectures at the country's most prestigious universities and scientific organizations. Considered a top expert in his field, he often addresses matters of science and public health on various news networks.

## ART AND NEUROSCIENCE

(WEBINAR IN SPANISH)


Wednesday, April 15th, 2020 | 19:00 | Bogota






**WEBINAR**  
LIVE zoom


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*Empresa Social del Estado*

**Visit our Webinars**



INTERNATIONAL WEB-BASED  
NEUROSURGERY CONGRESS

## 2021 International Web-Based Neurosurgery Congress

**Date: May 27<sup>th</sup>-29<sup>th</sup>, 2021**

Coming soon.

Please remain in contact for more information.

**2021  
IWBNC**

**INTERNATIONAL WEB-BASED  
NEUROSURGERY CONGRESS**

**May 27<sup>th</sup> – 29<sup>th</sup>, 2021  
08:00 – 18:00 EDT**

*Connecting the neurosurgical community around the globe*



**CIEN**  
CENTRO DE INVESTIGACIÓN Y  
ENTRENAMIENTO EN  
NEUROCIRUGÍA

