

Intensive Course in Pediatric Neurosurgery



Managua, June 12 and 13, 2026

Vamos Adelante! **TRABAJO, PAZ,
SEGURIDAD,
PROSPERIDAD**

Intensive Course in Pediatric Neurosurgery
Target Audience: Neurosurgeons, pediatricians,
residents, and surgical nurses.

Dates: June 12 and 13, 2026

Location: Manuel de Jesús Rivera Children's Hospital
"La Mascota"

Time: 8:00 a.m. - 5:30 p.m.

Coordinators:

Dr. María Carolina Cantarero

Dr. Artur Henrique Galvão Bruno Da Cunha (ISPN)

Information and registration:

carolinacantarero@hotmail.com

General Objective:

To strengthen the theoretical and practical knowledge of health professionals in the field of pediatric neurosurgery, through updates on surgical techniques, scientific advances and multidisciplinary approaches for the diagnosis and treatment of pediatric neurological pathologies.

Specific Objectives

1. Analyze the historical evolution and current advances in the management of pediatric hydrocephalus, including the role of the gliolymphatic system and shunt and endoscopic techniques.
2. Train participants in the appropriate selection of patients and the application of endoscopic procedures, such as ventricular lavage, third ventriculostomy, and treatment of isolated ventricles.
3. Promote a comprehensive and multidisciplinary approach to complex pathologies, such as craniosynostosis, tethered spinal cord, and post-shunt complications, highlighting surgical timing and cranial remodeling techniques.
4. Update participants on fetal surgery and advanced pediatric neurosurgery, including posterior fossa tumors, craniopharyngiomas, epilepsy, traumatic brain injury, and the role of radiotherapy in neurosurgery, with an emphasis on Latin American experiences and clinical outcomes.



Gobierno de Reconciliación
y Unidad Nacional

El Pueblo, Presidente!



*Vamos
Adelante!*

TRABAJO, PAZ,
SEGURIDAD,
PROSPERIDAD

Friday 12 June 2026		
Time	Topic	Speaker
8:00-08:30 a.m.	Inscripción	
8:30-09:50 a.m.	Inauguración	Autoridades Minsa
8:50-09:00 a.m.	Acto cultural	
9:00-09:20 a.m.	State of the art of pediatric neurosurgery in Nicaragua.	Dra. María Carolina Cantarero Moreira Coordinadora comisión nacional de neurocirugía Neurocirujana pediatra Hospital Manuel de Jesús Rivera "La Mascota"
9:20-09:40 a.m.	History and evolution of hydrocephalus.	Dr. Fernando Chico Ponce de León Neurocirujano Pediatra Hospital Infantil de México Federico Gómez, México
9:40-10:00 a.m.	Gliolymphatic and hydrodynamic system.	Dra. Griselda Ramírez Neurocirujana pediatra Hospital medico siglo XXI, México
10:00-10:20 a.m.	Guideline shunt or endoscopic surgery for the selection of patients with hydrocephalus.	Dra. Lola Taveras Neurocirujano Pediatra Hospital infantil universitario Arturo Grullon, República Dominicana
10:20-10:40 a.m.	Endoscopic ventricular lavage in neuroinfections.	Dr. Felipe Chavelas Ochoa Neurocirujano Pediatra, Neurocirujano de Columna, Neurocirugía endoscópica Transcraneal y neurocirujano fetal. Hospital del niño y la Mujer de Querétaro, México
10:40-11:00 a.m.	Coffee Break	TRABAJO, PAZ, SEGURIDAD, PROSPERIDAD
11:00-11:20 a.m.	Endoscopic treatment of isolated fourth ventricle. (online)	Dr. Luca Massimi Neurocirujano pediatra Istituto di Neurochirurgia, Roma, Italy.

	<p>Gobierno de Reconciliación y Unidad Nacional</p> <p><i>El Pueblo, Presidente!</i></p>	
<p>11:20-11:40 a.m.</p>	<p>Endoscopic third ventriculostomy.</p>	<p>Dra. María Carolina Cantarero Moreira Neurocirujana Pediatra, Neurocirujana de Epilepsia Hospital Manuel de Jesús Rivera “La Mascota”</p>
<p>11:40-12:00 a.m.</p>	<p>Diagnosis and treatment of post-shunt narrow skull.</p>	<p>Dra. Graciela Zucaro Argentina Neurocirujana Pediatra Hospital Garrahan, Argentina</p>
<p>12:00- 1:00 p.m.</p>	<p>Lunch Time</p>	
<p>1:00-1:20 p.m.</p>	<p>Multidisciplinary panel: Role of external shunt systems in hydrocephalus due to infection and hemorrhage.</p>	<p>Dr. Abilio Portillo Coordina Neurocirujano pediatra Hospital Manuel de Jesús Rivera “La Mascota, Nicaragua</p> <p>Dr. Javier Danilo González Ramos Neurocirujano Pediatra Hospital Garrahan, Argentina</p> <p>Dra. Graciela Zuccaro Argentina Neurocirujana Pediatra Hospital Garrahan, Argentina</p> <p>Dr. Sammer Elbaba Neurocirujano pediatra Orlando Health Children’s Neuroscience Institute, EEUU</p>
<p>1:20-1:20 p.m.</p>	<p>Craniosynostosis: Open vs endoscopic cranial remodeling techniques.</p>	<p>Dr. Samer Elbabaa Neurocirujano pediatra Orlando Health Children’s Neuroscience Institute, EEUU</p>
<p>1:20-1:40 p.m.</p>	<p>Multidisciplinary panel: Craniosynostosis: Surgical indications and ideal timing, controversies, helmet use, what to do first in syndromic cases.</p>	<p>Dra. Ana Lucia Osejo Coordina Neurocirujana pediatra Hospital Manuel de Jesús Rivera “La Mascota, Nicaragua</p> <p>Dr. Fernando Chico Ponce de León Neurocirujano Pediatra</p>

	<p>Gobierno de Reconciliación y Unidad Nacional</p> <p><i>El Pueblo, Presidente!</i></p>	<p>Hospital Infantil de México Federico Gómez, México</p> <p>Dr. Artur Da Cunha Neurocirujano Pediatra, Hospital da Restauração Recife, Brazil</p> <p>Dr. Felipe Chavelas Ochoa Neurocirujano Pediatra, Neurocirujano de Columna, Neurocirugía endoscópica Transcraneal y neurocirujano fetal. Hospital del niño y la Mujer de Querétaro, México</p>
<p>1:40-2:00 p.m.</p>	<p>Tethered spinal cord: ideal time for surgery and role of prophylactic surgery.</p>	<p>Dra. Graciela Zuccaro Argentina Neurocirujana Pediatra Hospital Garrahan, Argentina</p>
<p>2:00-2:20 p.m.</p>	<p>Urodynamic aspects in post-surgical patients with tethered spinal cord.</p>	<p>Dra. María Nydiam Marengo Hernández Nicaragua Uróloga pediátrica Hospital infantil Manuel de Jesús rivera La Mascota, Nicaragua</p>
<p>2:20-3:20 p.m.</p>	<p>Practical workshop on transcranial endoscopy with 3D models.</p>	

Vamos Adelante! TRABAJO, PAZ, SEGURIDAD, PROSPERIDAD

Saturday June 13		
Time	Topic	Speaker
8:00 am-8:20 am	Fetal surgery: Prenatal selection criteria, what's new.	Dr. Néstor Pavón Cirujano Fetal Hospital Bertha Calderón Roque, Nicaragua.
8:20 am – 9:00am	Fetal surgery: current status in Latin America.	Dra. Lola Taveras Neurocirujana Pediatra Hospital infantil universitario Arturo Grullon, República Dominicana
9:00 am- 9:20am	Endoscopic surgery vs open fetal surgery	Dr. Sammy Elbaba Neurocirujano pediatra Orlando health childrens neuroscience institute, EEUU
9:20 am-09:40 am	Neurological and urological outcomes of fetal surgery experience in Mexico.	Dr. Felipe Chavelas Ochoa Neurocirujano Pediatra, Neurocirujano de Columna, Neurocirugía endoscópica Transcraneal y neurocirujano fetal. Hospital del niño y la Mujer de Querétaro, México
09:40am- 10:00 am	Current fetal surgery in Nicaragua.	Dra. María Carolina Cantarero Moreira Neurocirujana Pediatra, Neurocirujana de Epilepsia Hospital Manuel de Jesús Rivera “La Mascota”
10:00 am -10:20am	Arachnoid cysts: endoscopic management.	Dr. Artur Da Cunha Neurocirujano Pediatra, Hospital da Restauração Recife, Brazil

 <p>10:20 am -10:40am</p>	<p>Controversies and complications in bilateral galassi III arachnoid cysts</p>	<p>Dra. Griselda Ramírez Neurocirujana pediatra Hospital medico siglo XXI, México</p>
<p>10:40 am -11:00am</p>	<p>Coffee Break</p>	
<p>11:00 am -11:20am</p>	<p>Tumors of the pineal region in pediatric patients. (online)</p>	<p>Dr. Luca Massimi Neurocirujano pediatra Istituto di Neurochirurgia, Roma, Italy.</p>
<p>11:20 am – 11:40 am</p>	<p>Skull base surgery in pediatrics, endoscopic endonasal approach as I do it.</p>	<p>Dr. Javier Danilo González Ramos Neurocirujano Pediatra Hospital Garrahan, Argentina</p>
<p>11:40 – 12:00 pm</p>	<p>Craniopharyngioma current management.</p>	<p>Dra. Graciela Zucaro Neurocirujana Pediatra Hospital Garrahan, Argentina</p>
<p>12:00- 1:00 p.m.</p>	<p>Lunch Time</p>	
<p>1:00 pm – 1:20 pm</p>	<p>Posterior fossa tumors in pediatrics: experience and management.</p>	<p>Dr. Javier Danilo González Ramos Neurocirujano Pediatra Hospital Garrahan, Argentina</p>
<p>1:20pm -1:40 pm</p>	<p>Current role of radioneurosurgery in pediatrics.</p>	<p>Dra. Libeth López Peralta Radioterapia oncológica Alta especialidad en radio oncología pediátrica. Hospital infantil federico Gómez México</p>
<p>1:40 pm -2:00 pm</p>	<p>Updates in Pediatric Epilepsy Surgery.</p>	<p>Dra. Griselda Ramírez Neurocirujana pediatra Hospital medico siglo XXI, México</p>
<p>2:00pm -2:20pm</p>	<p>Updates on decompressive craniotomy for pediatric traumatic brain injury.</p>	<p>Dra. Lola Taveras Neurocirujano Pediatra Hospital infantil universitario Arturo Grullon, República Dominicana</p>
<p>2:20pm -3:00pm</p>	<p>Updates on Pediatric Spinal Trauma: What's New in Management.</p>	<p>Dr. Pedro Joaquin Gómez Neurocirujano oncólogo y mínimo invasivo Hospital Manuel de Jesús Rivera “La Mascota”</p>
<p>2:20pm -3:00pm</p>	<p>Practical workshop on the spinal column</p>	
<p>6pm</p>	<p>Closing dinner.</p>	