



**2nd. Cuban
Course on
Pediatric
Neurosurgery
HABANA '09**

Scientific Program



Organized by

International Society for Pediatric Neurosurgery. (ISPNN)

Cuban Society for Neurology and Neurosurgery. (SCNN)



INVITATION

Dear colleagues and friends:

It gives me great pleasure in inviting you to the **"2do Cuban Course on Pediatric Neurosurgery of the International Society for Pediatric Neurosurgery"** to be held in Havana from **12 th - 14 th February 2009**. We are indeed honored that the International Society for Pediatric Neurosurgery (ISPN) is going to start the second Course in Havana. ISPN has gathered together a very strong team of international faculties responsible for a three day course that covers a wide range of entities commonly encountered in the field of pediatric neurosurgery.

This event will propitiate the participants, an ideal scenario for the fraternal exchange of experiences and knowledge on the most novel technical and treatment plans on our specialty, as well as to narrow the knots of friendship among the Pediatric Neurosurgeons of the world.

We are all aware that a child's brain is not a small version of the adult brain but rather it has its own characteristics. In turn, it requires special technique and understanding in getting the best result in the course of treatment. That explains why pediatric neurosurgery has been the first and best-developed subspecialty in all fields of neurosurgery.

Our beautiful Havana opens up its doors, with our people hospitality, architecture, wonderful beaches and history waiting for you.

"PEDIATRIC NEUROSURGERY 2009"

I sincerely hope that you will take hold of this opportunity and come to Havana for a fruitful learning experience!

Yours faithfully,



Tania Leyva Mastrapa.MD.
Organizing Committee Chairwoman
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ORGANIZING COMMITTEE.

President of Honor:

Dr. Francisco Goyenechea Gutiérrez. (Cuba)

Scientific Chairman

Tadanori Tomita, M.D (Chicago, USA)

Local Organizing Committee

Chairperson: Tania Leyva Mastrapa, M.D. (Cuba)

Secretary: Luis Alonso Fernández, M.D. (Cuba)

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Prof. Rick Abbott. (New York, USA)

Prof. Adrian Caceres. (San José, Costa Rica)

Prof. Michael H. Handler. (Denver, USA)

Prof. William Harkness. (Londres, Inglaterra)

Prof. John Ragheb. (Miami, USA)

Prof. Paul Steinbok. (Vancouver, Canada)

Prof. Enrique Ventureyra. (Ottawa, Canada)

INTERNATIONAL FACULTY



Tadanori Tomita, M.D (Chicago, USA)

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McMurry Seebaum Chair and Chief of Pediatric Neurosurgery
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Enrique Ventureyra, M.D. (Ottawa, Canada)

Professor and Chief, Division of Neurosurgery, Children's Hospital of Eastern Ontario and
Department of Surgery, University of Ottawa, Ottawa, Ontario, Canada.

Former ISPN President.

SCIENTIFIC PROGRAM

Day 1 – Thursday, February 12th

07.30 - 08.00 Registration.

08.00 - 08.30 Opening Ceremony. Tania Leyva Mastrapa.MD , Tadanori Tomita.MD

08.30 - 10.30 **SESSION I: BRAIN TUMORS I** Cerebellum/IV ventricle and Brainstem Tumours.

Moderator: Tania Leyva Mastrapa.

08.30 - 08.50 General treatment concept (Steinbok).

08.50 - 09.05 How I do it: Medulloblastoma. (Harkness)

09.05 - 09.20 How I do it: Ependymoma. (Rhageb)

09.20 - 09.30 Discussion.

09.30 - 09.50 General treatment concept / Pons (Caceres)

09.50 - 10.05 How I do it: Medulla Oblongata. (Abbott)

10.05- 10.20 How I do it: Midbrain. (Tomita)

10.20 - 10.30 Discussion.

10.30- 11.00 **Coffee break.**

11.00- 13.00 **SESSION II: BRAIN TUMORS II** Sellar Tumors, Germinoma and Craniopharyngioma.

11.00 - 11.20 Sellar Tumors. General treatment concept. (Abbott)

11.20 - 11.35 Surgical approach to the IIIrd ventricle (Tomita)

11.35 - 11.50 ¿Como lo hago yo? Chiasmal/Hypothalamic tumor. (Handler)

11.50 - 12.05 Craniopharyngiomas. Surgical approaches / resection. (Harkness)

12.05 - 12.20 Craniopharyngiomas. Conservative approach. (Steinbok).

12.20- 12.30 How I do it: Craniopharyngioma. (Rhageb)

12.30 - 13.00 Discussion.

13.00- 14.00 **LUNCH**

14.00 - 16.30 **SESSION III: BRAIN TUMORS III.**

Pineal Tumors, Infantile Brain / Hemispheric Tumors, Neonatal Tumors. (Less than 1 year old).

14.00 - 14.20 Pineal Tumors. General treatment concept and Surgical Approaches. (Ventureyra)

14.20 - 14.35 How I do it: Occipital approach. (Tomita)

14.35 - 14.50 How I do it: Infratentorial Supracerebellar. (Handler)

14.50 - 15.00 Discussion.

15.00 - 15.20 Neonatal Tumors. (Less than 1 year old) (Rhageb)

15.20 - 15.35 Cerebral Hemispheric /Lateral ventricle Tumors. (Abbott)

15.35 - 15.50 Ventricular anatomy (Caceres)

15.50 – 16.05 How I do it: Choroid Plexus Papilloma. (Harkness)

16.05 – 16.15 Discussion.

16.15 - 16.30 Local Faculty Presentations (Brain Tumors)

16.30- 16.55 **Coffee break.**

16.55 - 18.10 **SESSION IV CRANIOFACIAL.** Craniosynostosis

- 16.55 - 17.15** General treatment concept. (Tomita)
17. 15 - 17.25 How I do it: **Sagittal** (Steinbok)
17. 25 - 17.35 How I do it: **Sagittal** (Caceres)
17. 35 - 17.50 How I do it: **Coronal / Metopic** (Ventureyra)
17. 50 - 18.10 Discussion.
18.10 Adjourn.

Day 2 - Friday February 13th

08.00 - 10.15 **SESSION V: SPINE I Spinal Dysraphism**

Moderator: Dr. Francisco Goyenechea Gutiérrez.

- 08.00 - 08.25** Myelomeningocele: Screening/Prevention/Long term care. (Tomita)
08.25 - 08.40 How I do it: Myelomeningocele. (Handler)
08.40 - 08.55 How I do it: Lipoma (Steinbok)
08.55 - 09.10 How I do it: Tethered cord recurrence (Caceres)
09.10 - 09.25 How I do it: Diasthematomyelia (Rhageb)
09.25 - 09.40 How I do it: Anterior sacral meningocele (Ventureyra)
09.40 - 09.55 How I do it: Fatty filum (Abbott)
09.55 - 10.15 Discussion
10.15- 10.45 **Coffee break.**

10.45- 13.00 **SESSION VI: SPINE II. Spinal Cord Tumors.**

- 10.45 - 11.00** General treatment concept. (Caceres)
11.15- 11.30 How I do it: Intramedullary. (Abbott)
11.30- 11.45 How I do it: Myxopapillary ependymoma. (Rhageb)
11.45- 12.00 How I do it: Benign spine tumor. (Handler)
12.00- 12.15 Discussion
13.00- 14.00 **LUNCH**

14.00 -16.10 **SESSION VII: HYDROCEPHALUS / CYST**

- 14.00 - 14.20** Shunt device selection. (Caceres)
14.20 - 14.35 Shunt complication and infection. (Steinbok)
14.35 - 14.50 Management of arachnoid cyst. (Rhageb)
14.50 -15.05 How I do it: Neuroendoscopy for Hydrocephalus. (Abbott)
15.05 - 15.20 How I do it: Temporal arachnoid cyst (Harkness)
15.20 - 15.35 How I do it: Posterior fossa cyst (Ventureyra)
15.35 - 15.50 How I do it: Management of IVH hydrocephalus (Handler)
15.50 - 16.10 Discussion
16.10 - 16.30 **Coffee break.**

16.30- 17.30 **SESSION VIII: CHIARI MALFORMATION / SKULL BASE.**

- 16.30- 16.50** Chiari I Malformation (Caceres)
17.05- 17.20 How I do it: Chiari Decompression (Handler)

16.50- 17.05 How I do it: Skull base dermoid (Tomita)
17.20- 17.30 Discussion
17.30- 18.30 Local Faculty Presentations (Spine/Hydrocephalus)
18.30 Adjourn

Day 3 - Saturday February 14th

08.00 - 10.00 **SESSION IX: FUNCTIONAL NEUROSURGERY** Epilepsy surgery.
Moderador: Dr. Luis Alonso Fernández.

08.00 - 08.20 General treatment concept (Harkness)
08.20 - 08.35 How I do it: Callosotomy. Ventureyra
08.35 - 08.50 How I do it: Lesionectomy (Handler)
08.50 - 09.05 How I do it: Lobectomy (Harkness)
09.05 - 09.20 How I do it: Hemispherectomy (Rhageb)
09.20 - 09.35 Case Presentation.
09.35 - 10.00 Discussion.

10.00 - 10.30 **Coffee break.**

10.30 - 11.15 **SESSION X: SPASTICITY**

10.30 - 10.50 General treatment concept. (Steinbok)
10.50 - 11.05 How I do it: dorsal rhizotomy. (Abbott)
11.05 - 11.15 Discussion.

11.15 - 12.15 **SESSION XI: VASCULAR NEUROSURGERY.**

11.35 - 11.50 General concept. Pediatric vascular malformations. (Tomita)
11.15 - 11.35 Management of pediatric AVM. (Ventureyra)
11.50 - 12.05 Moyamoya (Steinbok)
12.05 - 12.15 Discussion.

12.15 - 12.30 **CLOSING CEREMONY.**

13.00 - 16.00 **City Tour for the Old Havana with Lunch in a typical Cuban Restaurant.**