

**4th Congress of Asian-Australasian Society for Pediatric
Neurosurgery
(AASPN 2023 Yokohama, Japan)**

Theme: Controversies in Pediatric Neurosurgery

Wednesday, December 13

Room A

✿ Opening Ceremony 12:00-12:25

(Chairperson: Morota N)

1. Opening remarks Shirane R
2. Address from AASPN Wang KC
3. Address from Japanese Society for Pediatric Neurosurgery (JSPN) Nonaka M
4. Address from the Japan Neurosurgical Society (JNS) Arai H
5. Overview of the scientific program Morota N

Symposium 1 12:30-13:30

Ventriculo-peritoneal shunt

(Chairperson: Suryaningtyas W, Shimoji K)

12:30-12:45 Invited lecture
Sun P: Management of shunt infection: intraventricular
infusion of anti-biotics

AASPN faculty lectures

12:45-12:55 Ganesan D: Programable valve
12:55-13:05 Bhattacharjee S: Chhabra valve
13:05-13:15 Kusma AA: Selection of the shunt valve in Asia-Australasia
13:15-13:30 Discussion

Symposium 2 13:30-14:30

Infantile hydrocephalus

(Chairperson: **Baticulon R** & **Muroi A**)

13:30-13:45 Invited lecture

Cinalli G: Pathophysiology of external hydrocephalus and its management

13:45-14:00 Invited lecture

Constantini S: Best practice of infant ETV: does CPC work or no use?

AASPN faculty lectures

14:00-14:10 **Suryaningtyas W**: ETV for small or slit ventricle: Risk management

14:10-14:20 **Orkhontuul S**: What is the best practice of infantile hydrocephalus in LMIC (low-middle income country) in Asia-Australasia

14:20-14:30 Discussion

✿AASPN 10th Anniversary Session 1

AASPN in the global pediatric neurosurgery 14:40-16:00

(Chairperson: **Deopujari C**, **Seow WT**, **Wong TT**)

14:40-14:55 **Boop F**

Introduction: past, present and future of ISPN (International Society for Pediatric Neurosurgery)

14:55-15:05 TBA

The status quo and activity of AASPN

15:05-15:15 **Baticulon R**

Pediatric neurosurgery in Southeast Asia

15:15-15:30 **Narenthiran G**

Global networking in pediatric neurosurgery

15:30-15:40 ISPN-AASPN MOU (Memorandum of Understanding) ceremony

Wang KC, **Constantini S**

15:40-15:55 **Constantini S**

AASPN in ISPN

15:55-16:00 **Suryaningtyas W**

Next AASPN 2025 in Indonesia

✿AASPN 10th Anniversary Session 2 16:00-16:15

Memorials of ISPN comrades for AASPN

(Chairperson: Wang KC, Sakamoto H)

16:00-16:05 Maixner V: James T. Goodrich

16:05-16:10 Deopujari C: Michel Zerah

Silence

Symposium 3 16:25-17:40

Plagiocephaly: Positional or synostotic? Diagnosis & management

(Chairperson: Thanh Can CC, Miwa M)

16:25-16:40 Invited lecture

Di Rocco: Current surgical management of anterior and posterior
plagiocephaly

16:40-16:55 Invited lecture

Durham S: Guideline of positional plagiocephaly

AASPN faculty lectures

16:55-17:05 Harada A: Diagnosis and management of positional plagiocephaly

17:05-17:15 Shim KW: Quantitative assessment of shape deformation: Positional
vs. craniosynostotic plagiocephaly

17:15-17:25 Hikosaka M: Cranial shape induction: management by helmets

17:25-17:40 Discussion

Room C

Oral presentation 1 12:30-13:30

(Chairperson: AASPN & JSPN)

Oral presentation 2 13:30-14:30

(Chairperson: AASPN & JSPN)

Educational Session 1 16:25-17:50

from basic to advanced management

Neuroendoscopic tumor surgery

(Chairperson: Whittayanakorn N, Kurozumi K)

16:25-16:40	Cinalli G: Intraventricular tumor
16:40-16:55	Thomale UW: Periventricular tumor
16:55-17:10	Arakawa Y: Tubular brain tumor surgery
17:10-17:25	Gui S: Endoscopic transnasal surgery for pediatric craniopharyngiomas
17:25-17:40	Sankhla S: Pediatric endonasal skull base surgery
17:40-17:50	Discussion

Thursday, December 14

Room A

Symposium 4 8:30-9:30

Neurosurgical management of intracranial cystic lesions

(Chairperson: Bahttacharjee S & Kameda M)

8:30-8:45	Invited lecture
	Sun P: Middle fossa arachnoid cyst: Surgery or observation
AASPN faculty lectures	
8:45-8:55	Kurihara A: What is the best practice? Endoscopic or microsurgery or shunt?
8:55-9:05	Awais M: What is the best practice? Endoscopic or microsurgery or shunt?
9:05-9:15	Thu M: Surgery of naso-facial encephalocele
9:15-9:30	Discussion

❁ The Japanese Guidelines of Pediatric Brain Tumors 9:30-12:35

9:30-9:40 Introduction (Chairperson: Nagane M)

Sugiyama K: Development of the Japanese guideline of pediatric brain tumors

9:40-12:30 Japanese guideline of pediatric brain tumors

(Chairpersons: Nishikawa R, Kumabe T, Terashima K)

1: Diffuse intrinsic pontine glioma

9:40-9:55	Hirose Y: Outline of the Japanese guideline
9:55-10:05	Jallo G: Comment

10:05-10:15 **Deopujari C:** Comment

2: Germ cell tumors

10:15-10:30 **Nakamura H:** Outline of the Japanese guideline

10:30-10:40 **Wong TT:** Comment

10:40-10:50 **Ma J:** Comment (Germinoma)

10:50-11:00 **Gong J:** Comment (NGGCT)

3: Medulloblastoma

11:00-11:15 **Hashimoto N:** Outline of the Japanese guideline

11:15-11:25 **Sala F:** Comment

11:25-11:35 **Pant B:** Comment

4: Ependymoma

11:35-11:50 **Uzuka T:** Outline of the Japanese guideline

11:50-12:00 **Boop F:** Comment

12:00-12:10 **Liang ML:** Comment

5: Optic / hypothalamic glioma

12:10-12:25 **Nakada M:** Outline of the Japanese guideline

12:25-12:35 **Cinalli G:** Comment

12:35-12:45 **Kim SK:** Comment

✿Special lecture 1 12:45-13:00

(Chair: **Saito N**):

Smith ER: Novel topic of urinary biomarkers in diagnosis of brain tumors

Meet experts 1 (Luncheon seminar) 13:10-14:20

Epilepsy management in Tuber Sclerosis Complex

(Chairperson: **Kim DS**, **Yamamoto T**)

13:10-13:25 **Weiner HL:** Treatment strategy and surgical tactics

13:25-13:40 **Fujimoto A:** mTOR inhibitor, VNS and open cranial surgery

13:40-13:55 **Ichikawa T:** Japanese guideline of Tuber Sclerosis Complex
(TSC)

13:55-14:10 **Wittayanacorn N :** Epilepsy management in TSC

14:10-14:20 Discussion

✿AASPN 10th Anniversary Session 3 14:30-15:40

Mami Yamasaki memorial session: Woman pediatric

neurosurgeons in Asia-Australasia

(Chairperson: **Maixner W**, **Sobana M**, **Kato M**)

14:30-14:35: **Lee JY**: Introduction

14:35-14:50 **Kuo MF**: Women pediatric neurosurgeon in Asia-Australasia: career development and life

14:50-15:05 **Durham S**: Women pediatric neurosurgeon in North America: career development and the life

15:05-15:20 **Pettorini B**: Women pediatric neurosurgeon in Europe: career development and the life

15:20-15:30 **Wittayanacorn N**: My career as a pediatric neurosurgeon

15:30-15:40 **Maixner W**: AASPN woman pediatric neurosurgeons in ISPN: future perspective

Symposium 5 15:40-16:40

Pediatric Chiari type 1: What is the best practice?

Open or not to open the dura / Tonsillar coagulation or not / Management of a huge syrinx

(Chairperson: **Sankhla S**, **Shin M**)

15:40-15:55 **Brockmeyer DL**: What is the best practice?

15:55-16:10 **Jackson E**: What is the best practice?

16:10-16:25 **Ra YS**: What is the best practice?

16:25-16:40 Discussion

✿Special lecture 2 16:50-17:20

(Chairperson: **Date I**)

16:50-17:05: **Ichi S**: Folate supplementation in Japan and AASPN countries

17:05-17:20 **Narenthiran G**: Machine learning, metaverse and AI in neurosurgery

Symposium 6 17:20-18:20

Non-accidental head injury in children

(Chairperson: **Kusuma AA**, **Araki T**)

17:20-17:35

Invited lecture

DiRocco F: Non-accidental head injury (AHI) in children:
update

AASPN faculty lectures

17:35-17:45

Akutsu A: Minor head trauma and acute subdural
hemorrhage (SDH) in relation with non-AHI in children

17:45-17:55

Nonaka M: What is Nakamura type 1 infantile acute SDH?

17:55-18:05

Kho GS: non-AHI in Asia-Australasia

18:05-18:20

Discussion

Room C

Educational Session 2 8:30-9:30

from basic to advanced management

Neurosurgical management of spina bifida

(Chairperson: **Ma J**, **Gomi R**)

8:30-8:45

Ahn ES: Intrauterine repair of myelomeningocele (MMC):
its evolution in the world and future in AASPN
countries

8:45-9:00

Lee JY: Embryology of the spinal cord and development of
congenital anomalies

9:00-9:15

Kato M: Impact of the new classification of spinal lipoma

9:15-9:30

Kong V: How I operate MMC

Meet experts 2 (Luncheon seminar) 13:10-14:20

Intravascular surgery in pediatric CNS lesions

(Chairperson: **Phi JH**, **Miyachi S**)

13:10-13:30:

Smith ER: Treatment strategy and surgical tactics of the
pediatric AVM

13:30-13:50

Lian ML: Pediatric CVD: Future of open vs. intravascular
surgery

13:50-14:10

Iizuka J: Management of Vein of Galen Aneurysm

14:10-14:20 Discussion

Oral presentation 3 15:40-16:40

(Chairperson: AASPN & JSPN)

Educational Session 3 17:20-18:20

from basic to advanced management

Pediatric epilepsy

(Chairperson: **Pant B**, **Kunii N**)

17:20-17:40 **Weiner HL**:

Evolution of Pediatric Epilepsy Surgery over 25 years

17:40-17:55 **Heppner P**: Pediatric epilepsy surgery in Asia-Australasia

17:55-18:05 **Iwasaki M**: Pediatric epilepsy surgery in Japan

18:05-18:15 **Cai L**: Diconnection surgery in pediatric intractable epilepsy

18:15-18:25 **Phi JH**: Preoperative focus localization and surgery in pediatric epilepsy

Room B

Poster session 1A 15:40-16:10 (Chairperson: JSPN)

1B 15:40-16:10 (Chairperson: JSPN)

Poster session 2A 16:10-16:40 (Chairperson: JSPN)

2B 16:10-16:40 (Chairperson: JSPN)

Poster session 3A 17:20-17:50 (Chairperson: JSPN)

3A 17:20-17:50 (Chairperson: JSPN)

Poster session 4A 17:50-18:20 (Chairperson: JSPN)

4A 17:50-18:20 (Chairperson: JSPN)

Friday, December 15

Room A

Symposium 7 8:30-9:30

Tethered cord syndrome: how to diagnose, when and how to operate?

(Chairperson: **Kuo MF**, **Yoshifuji K**)

AASPN faculty lectures

8:30-8:45 **Seow WT**: Diagnosis, surgical procedure, and prevention of re-tethering

8:45-8:55 **Hayashi T**: Diagnosis, surgical procedure, and prevention of re-tethering

8:55-9:05 **Limpastan K**: How I manage tethered cord syndrome

9:05-9:15 **Zaw HH**: How I manage tethered cord syndrome

9:15-9:30 Discussion

Symposium 8 9:30-10:40

Surgery for pediatric hypertonia

(Chairperson: **Xiao Bo**, **Kishima H**)

9:30-9:50 Invited lecture

Pettorini B: Rhizotomy vs. Intrathecal Baclofen treatment (ITB),
how to start spasticity unit

AASPN faculty lectures

9:50-10:10 **Horisawa S**: ITB in Asia-Australasia

10:10-10:30 **Xiao B**: Neurophysiology and surgery of dorsal rhizotomy

10:30-10:40 Discussion

✳Invited lecture 10:50-11:40

Neurofluid: a new concept of the CNS fluid dynamics

(Chairperson: **Akai T**, **Hayashi Y**)

10:50-11:20 **Miura M**

Neurofluid (basic): its extra-vascular fluid pathway

11:20-11:40 **Takahashi K**

Neurofluid (clinical): pediatric posttraumatic low ICP syndrome

Symposium 9 11:40-12:40

Management of neonatal intraventricular hemorrhage (IVH) & subsequent hydrocephalus

(Chairperson: **Heppner P**, **Ishizaki R**)

11:40-11:55 Invited lecture

Thomale UW: The latest management of neonatal IVH in Europe

AASPN faculty lectures

11:55-12:10 **Park YS**: Management of neonatal IVH in Japan

12:10-12:25 **Sobana M**: Management of neonatal IVH in low-middle income countries (LMIC)

12:25-12:40 Discussion

Meet experts 3 (Luncheon seminar) 12:50-13:50

Surgery for pediatric congenital deformative craniovertebral junction (CVJ) lesions

(Chairperson: **Nakase H**, **Ogiwara H**)

12:50-13:10 **Brockmeyer DL**: Complex deformative CVJ surgery in children

13:10-13:25 **Alias A**: Anterior or posterior approach to complex CVJ lesions in children

13:25-13:40 **Ando R**: Management of complex CVJ surgery in children

13:40-13:50 Discussion

Symposium 10 14:00-15:10

Moyamoya disease: what is the best practice?

(Chairperson: **Kim SK**, **Hara S**)

14:00-14:15 Invited lecture

Kuroda S: Japanese Guideline of Moyamoya disease

14:15-14:30 Invited lecture

Smith ER: Urinary biomarkers of moyamoya disease

AASPN faculty lectures

14:30-14:45 **Kuo MF**: Management of pediatric moyamoya disease in Asia

14:45-14:55 **Dorjsuren B**: First Moyamoya surgery in Mongolia

14:55-15:10 Discussion

✿Special session 15:10-17:00

Controversies in surgical management of pediatric brain tumors

(Chair: **Ra YS**, **Alias A**, **Yamamoto T**)

1: What is the best practice for pediatric craniopharyngioma?

15:10-15:20	Constantini S : Answer
15:20-15:30	Kim SD : Answer
15:30-15:40	Gong J : Answer
15:40-15:50	Boop F : Answer
15:50-16:00	Discussion

2: Convection Enhanced Delivery in Diffuse Intrinsic Pontine Glioma (DIPG): does it the way to go?

16:00-16:10	Jallo G : Answer
16:10-16:20	Saito R : Answer
16:20-16:30	Discussion

3: Low grade glioma as an incidentaloma: Surgery or observation?

16:30-16:40	Thomale UW : Answer
16:40-16:50	Baticulon R : Answer
16:50-17:00	Discussion

✿Closing remarks 17:00-17:10

Shirane R / Morota N

Room C

Educational Session 4 8:30-9:45

from basic to advanced management

Surgery for syndromic, complex craniosynostosis

(Chairperson: **Thu M**, **Usami K**)

8:30-8:45	Ahn ES : Endoscopic vs. open surgery: Long-term outcomes
8:45-9:00	DiRocco F : Management of associated tonsillar herniation
9:00-9:15	Sun P : minimally invasive craniosynostosis surgery

9:15-9:30 **Thanh Can DD**: How I operate complex craniosynostosis
9:30-9:45 **Tamai I**: How I operate complex craniosynostosis

Symposium 11 9:50-10:40

Intraoperative neurophysiological monitoring (IONM)

(Chairperson: **Shim KW**, **Ihara S**)

9:50-10:10 Invited lecture
Sala F: Evolution of intraoperative neurophysiological monitoring in pediatric neurosurgery

AASPN faculty lectures

10:10-10:20 **Ma J**: IONM in brain surgery in Asia-Australasia
10:20-10:30 **Pant B**: IONM in pediatric functional neurosurgery
10:30-10:40 Discussion

Oral presentation 4 11:40-12:40

(Chairperson: AASPN & JSPN)

Meet experts 4 (Luncheon seminar) 12:50-13:50

How to start up intraoperative neurophysiological monitoring in pediatric neurosurgery

(Chairperson: **Kong V**, **Sugano H**)

12:50-13:10 **Sala F**: Brain surgery: motor, sensory & language mapping
13:10-13:30 **Weiner HL**: Epilepsy Surgery for Children: focus versus network
13:30-13:50 **TBA**: Spinal surgery: motor, sensory & urinary function

Oral presentation 5 14:00-15:10

(Chairperson: AASPN & JSPN)