23rd Annual Scientific Meeting

Controversies in Neurosurgery

The Hong Kong Neurosurgical Society

Date: 25th and 26th November 2016
Time: 9:00am – 5:00pm
Venue: Cordis Hong Kong at Langham Place, Mongkok, Kowloon

www.ns.org.hk
Long-term Survival with Glioma Lies in your Hands

- Concomitant and Adjuvant TEMODAL® extends survival vs radiation monotherapy in newly diagnosed GBM^1
- TEMODAL® shows efficacy regardless of MGMT methylation status^1,*
- TEMODAL® has a high efficacy with prolonged PFS-6 & OS-6 in recurrent AA/GBM^2,3,**

^ A randomized trial comparing effects of standard radiotherapy and identical radiotherapy with concomitant temozolomide in 571 adult patients with newly diagnosed glioblastoma. Temozolomide regimen was followed by -6 cycles of adjuvant temozolomide. 37% (17%) of 380 patients in the radiotherapy alone group and 254 (199%) of 371 in the combined treatment group died during 5 years of follow-up. Overall survival was 22.2% (23.9% 32.2% 32.0%) at 3 years, 16.0% (23.8% 25.6% 23.0%) at 5 years, 12.3% (17.8% 19.4% 16.0%) at 4 years, and 8.8% (14.9% 19.4% 16.0%) at 5 years with temozolomide, versus 10.3% (7.8 14.1% 2.4% 2.0%), 3.0% (1.4 7.7%) and 1.9% (0.8 4.4%) with radiotherapy alone (hazard ratio 0.6 0.5 0.4, P<0.001).

^ A randomized, multicentre, open-label, phase II study comparing temozolomide (TMZ), an oral second-generation alkylating agent, and procarbazine (PCB) in 228 patients with glioblastoma multiforme at first relapse. Primary objectives were to determine progression-free survival (PFS) at 6 months and safety for TMZ and PCB in adult patients who failed conventional treatment. TMZ was given orally at 200 mg/m^2 or 150 mg/m^2/day for 5 days, repeated every 28 days. PCB was given orally at 150 mg/m^2/day or 125 mg/m^2/day (prior chemotherapy) for 2 days, repeated every 28 days. The 6-month PFS rate for patients who received TMZ was 21%, which met the protocol objective. The 6-month PFS rate for those who received PCB was 8.2% (P = 0.001), for the comparator. Overall PFS significantly improved with TMZ, with a median PFS of 12.4 weeks in the TMZ group and 3.32 weeks in the PCB group (Po<0.001). The 6-month overall survival rate for TMZ patients was 80% vs. 44% for PCB patients (Po<0.001).

SELECTED SAFETY INFORMATION:
Temozolomide® is contraindicated in patients who have a history of hypersensitivity reaction to its components or to dacarbazine (DTIC); for use during pregnancy is not recommended by the manufacturer. It is associated with severe myelosuppression.

Precautions: Prophylaxis against Pneumocystis jirovecii pneumonia is required for all patients receiving concomitant temozolomide® and radiotherapy for the 21 days regimen (with a maximum of 45 days). Nausea and vomiting are very commonly associated with temozolomide® and the use of anti-emetic prophylaxis is recommended. No data are available in the administration of temozolomide® in patients with severe hepatic dysfunction (Child-Pugh grade C) or with renal dysfunction, caution should be exercised when temozolomide® is administered in these patients. No clinical experience with use in children under the age of 12 years. Elderly patients (> 70 years of age) appear to be at increased risk of toxicity and should be monitored, compared with younger patients.

Common side effects: For GBM: very common = 10%; nausea, vomiting, anorexia, headache, fatigue, constipation, convulsions, anemia, rash. For recurrent or progressive glioma, in malignant melanoma (5-8%); gastrointestinal disturbances, specifically nausea, and vomiting. Fatigue, constipation, headache and anorexia. Grade 3 or 4 hemobycytopenia and neutropenia.

References:
3. Hong Kong Product circular (TEMODAL® M200).

GBM, glioblastoma multiforme; MGMT, O-6-methylguanine-DNA methyltransferase; PFS, progression-free survival; OS, overall survival; AA, anaplastic astrocytoma.

Before prescribing, please consult the full prescribing information available at the manufacturer.
# Content

Welcome Message 2

Council Members of The Hong Kong Neurosurgical Society 6

Guest Faculties 7

Venue Floor Plan 12

Programme at a Glance 16

Programme for Free Paper 20

Poster Presentation 22

Programme for Nursing Session 24

Acknowledgement 25
Dear friends and colleagues,

I would like to express my warmest welcome to you to attend the 23rd Annual Scientific Meeting of the Hong Kong Neurosurgical Society on “Controversies in Neurosurgery”.

Today we are living in a world of diversities which would certainly lead to differences in opinions and controversies. In Neurosurgery, there are different choices of existing established and new innovative treatment strategies, different treatment modalities, the extent of treatment and functional preservation. It would be helpful to listen to the experts’ views when controversies arise.

We are honoured to have Dr Yong-kwang TU and Dr Basant K. MISRA to be our Guest Speakers for the 23rd ASM. Dr. MISRA and Dr TU are leading Neurosurgeons in the World. Dr TU is the current President of the World Federation of Neurological Surgeons (WFNS) and Attending Physician in Neurosurgery in the National Taiwan University Hospital, Taiwan. Dr MISRA is the Secretary in WFNS and the Head of the Department of Neurosurgery and Gamma Knife Radiosurgery in P. D. Hinduja Hospital and Medical Research Centre, India. I am sure that both of them will provide their vast experience in the different aspects of Neurosurgery like vascular surgery, skull base surgery and tumour management.

In addition, we would like to use this meeting as a platform for our local and overseas medical and nursing colleagues to share their magnificent work on Neurosurgical Research.

It is also our tradition to invite distinguished guests in all walks of life to share with us their brilliant views. This year, we are delighted to have Mr. James Pei-chun TIEN, GBS, OBE, JP, our experienced veteran LegCo member, to be the Guest Speaker of the ASM Dinner.

Lastly I would like to wish everyone to find this meeting useful and have a nice and enjoyable weekend in Hong Kong.

Yin-Chung Po
President,
Hong Kong Neurosurgical Society.
Welcome Message

Message from the Honorary Secretary

Welcome to the 23rd ASM of the Hong Kong Neurosurgical Society. This year the theme of the ASM is “Controversies in Neurosurgery”. Amidst global chaos and turmoil, we long for perspicacious and sagacious leaders showing us the correct path. It is our great honour to be able to invite Professor Yong Kwang TU from the National Taiwan University, Taiwan, and Professor Basant Kumar MISRA from the Parmanand Deepchand Hinduja Hospital & Medical Research Centre, India as our guest speakers. Needing no introduction, they are the President and Secretary of the World Federation of Neurosurgical Societies Executive Committee respectively and they can shed some light on the controversial issues in neurosurgery. We believe that it will be an invaluable learning opportunity not only for knowledge, but also for the embracement of a modern, patient-orientated and disease-based approach in neurosurgery through which major advances can be made and patient care further improved.

We sincerely wish you all a very enjoyable and fruitful experience.

Dr Michael WY Lee
Honorary Secretary
To Make a difference in your patients’ life
Deliver the Difference
Right muscle, Right dose.

Improving your bladder control

Helping hands
around the world

Turning heads
with a wealth of publications

BOTOX®: one of the world’s most widely researched medicines

BOTOX®: a wealth of experience

- Treating serious and/or debilitating conditions for over 20 years worldwide
- Over 4000 clinical publications
- More licensed indications than any other botulinum toxin:
  - Strabismus and blepharospasm
  - Hemifacial spasm
  - Cervical dystonia
  - Dynamic equinus foot deformity due to spasticity in juvenile cerebral palsy
  - Wrist and hand disability due to upper limb spasticity associated with stroke
  - Severe axillary hyperhidrosis
  - Chronic migraine
  - Urinary incontinence due to detrusor overactivity associated with a neurologic condition (e.g., SCI, MS)
  - Overactive bladder with symptoms of urinary incontinence, urgency, and frequency

References:
1. Allergan, data on file.
3. Search strategies are identical across all products. Searches are conducted on STN International® in the following databases: Medline, EMBASE, Embase, Hospitl, PsycINFO, Biosis, Scopus. Data are reported separately from either peer-reviewed articles, letters, reports, or from congress abstracts, meeting posters. Reports include clinical studies, case reports, reviews, and exclude trade magazines, news, book chapters.

Allergan Hong Kong Limited
Suites 1309-10 & PT8, Cityplaza 4, 12 Taikoo Wan Road, Taikoo Shing, Island East, Hong Kong
Tel.: 862-2610 2525

HKO1-810015
Council Members of The Hong Kong Neurosurgical Society

Council Members & Organising Committee

President : Dr. Yin-chung PO
Vice President : Dr. Gilberto LEUNG
Honorary Secretary : Dr. Michael LEE
Honorary Treasurer : Dr. Sui-to WONG
Council Members : Dr. Danny CHAN
Dr. Kwong-yau CHAN
Dr. Derek WONG
Dr. Wai-kei WONG
Dr. Kwong-yui YAM

IT Subcommittee

Dr. David CHAN
Dr. Norren CHAN
Dr. Jason MK HO
Dr. Joanna HO
Dr. Remy HUNG
Dr. Sarah LAU
Dr. Calvin MAK (Team Leader)
Dr. Kevan SHAM

Audio-visual support

Mr. Kai-chi CHENG

Photographer

Ms Amelia YUNG
Guest Faculties

The Organising Committee would like to thank the following guest faculties for their invaluable contributions to the 23rd Annual Scientific Meeting

Prof. Basant K. MISRA
Head, Dept. of Neurosurgery and Gammaknife Radiosurgery
P. D. Hinduja National Hospital and MRC, Mumbai, India

Prof. Yong Kwang TU
Professor Emeritus
Department of Neurosurgery
National Taiwan University
President, World Federation of Neurosurgical Societies

Mr. James TIEN
Honorary Chair of Liberal Party
Prof. Basant K. MISRA
Head, Dept. of Neurosurgery and Gammaknife Radiosurgery
P. D. Hinduja National Hospital and MRC, Mumbai, India

Previously:
Professor (Addl), Dept of Neurosurgery,
Sree Chitra Thirunal Institute of Medical Sciences & Technology,
Trivandrum
Clinical Professor, Dept. of Neurosurgery, Macquarie University, NSW, Australia.

Neurosurgical Training:
Neurosurgery Residency and Neurosurgery Board from All India Institute of Medical Sciences, New Delhi 1983
Commonwealth Medical Scholar, British Medical Council 1984
Research Lecturer, University Department of Neurosurgery, Edinburgh University, 1986-7

Membership:
Secretary, World Federation of Neurosurgical Societies (WFNS)
President, Asian Australasian Society of Neurological Surgery
President, International Conference of Cerebrovascular Surgery.
President, World Federation of Skull Base Societies
Founder Member, World Academy of Neurosurgeons
Guest Member, Japan Neurosurgical Society
Corresponding Member, American Academy of Neurological Surgery
Past President, Cerebro Vascular Society of India (2010-11)
Past President (2009-10), Bombay Neurosciences Association
Past President (2008), Neurological Society of India
Past President (2004-06), Asian Conference of Neurological Surgeons
Past President (2002-04), Skull Base Surgery Society of India
EC Member of Asian Oceanian Skull Base Society
Congress of Neurological Surgeons, U.S.A.
WFNS Skull Base Committee, Education & Training Committee, Cerebro Vascular Disease & Therapy Committee
Member of the Academia Neurochirurgia
Associate Member, South Cone Society of Neurological Surgeons, Argentina
Association of Medical Consultants, Mumbai
Member of Indian Society for Pediatric Neurosurgery
Indian Society of Stereotactic and Functional Neurosurgery
Prof. Yong-Kwang TU

Dr. Tu completed his medical education at the Medical School of the National Taiwan University, Taipei, Taiwan in 1976. He completed his neurosurgical resident training at the same university in 1981 and obtained his Ph.D. degree at the Institute of Clinical Science, National Taiwan University in 1984.

He joined the Taiwanese Medical Mission to the Kingdom of Saudi Arabia and served as the Chief of Neurosurgery at the King Fahd General Hospital in Jeddah for one year. He then spent four years as a research fellow in neurosurgery of Harvard Medical School and Massachusetts General Hospital in Boston. In his last year in Boston, he served as a lecturer in surgery at Harvard Medical School. Since returning to Taiwan, he has been on the staff of the Department of Neurosurgery at National Taiwan University, and has become Professor and Chairman of the Department since 1998. He was appointed as the Deputy Director of Institute of Clinical Neuroscience and Behavioral Medicine of the National Taiwan University since 2011. Dr. Tu retired from the National University in 2013 and soon was appointed as an endowing chair professor of at the Medical College of the Catholic Fujen University in Taipei.

His major clinical and research interests are the physiology of cerebral hemodynamics and metabolism, cerebral protection, cerebrovascular surgery, skull base surgery and neurosurgical intensive care. He is the author of over 150 publications and has organized many national and international conferences. He is a member of the American Academy of Neurological Surgery and of the World Academy of Neurological Surgery. Dr. Tu has been the President of the Taiwan Neurosurgical Society, the Taiwan Stroke Society, the Taiwan Society for Skull Base Surgery, the Asian-Oceanian Society for Skull Base Surgery and the Asian-Australasian Society of Neurological Surgery. In 2011 He became President-elect of the World Federation of Neurosurgical Societies. His 4-year term as President started in September 2013. He was nominated to be the recipient of the Annual Award of the Formosan Medical association as well as the Orator of Surgery at the 2012 Formosan Medical Association Annual Congress, an honor reserved for a surgeon who has made a major contribution to the country's surgical practice over his or her career.
GO AIRO
MOBILE INTRAOPERATIVE CT
BRAINLAB.COM/AIRO
KEPPRA® is contraindicated for use in patients who are sensitive to the active substance or other pyrrolidone derivatives or any of the excipients. The tablet formulation is not adapted for use in infants and children under the age of 6 years and initial treatment in children weighing <25 kg. The administration of KEPPRA® to patients with renal impairment (especially elderly ≥65 years) may require dose adjustment. In patients with severely impaired hepatic function, assessment of renal function is recommended before dose selection.

ABBREVIATED PRESCRIBING INFORMATION

- Name of medicinal product: Keppra®
- Formulation and quantitative composition:
  - Tablets: 250 mg, 500 mg, 1000 mg
  - Oral solution: 100 mg/5 mL
- Indications: Keppra® is indicated for the treatment of partial onset seizures with or without secondary generalization in adults and children from 15 years of age, with or without secondary generalization in adults, and adults and children from 1 month of age with secondary generalization in adults.
- Dosage and Administration:
  - Initial dose for adults and children from 15 years of age: 10 mg/kg/day in two divided doses.
  - Initial dose for adults and children from 1 month of age: 30 mg/kg/day in two divided doses.
  - Maintenance dose: Up to 60 mg/kg/day in three divided doses.
- Contraindications:
  - Hypersensitivity to any component of the formulation.
  - Children <2 years of age.
  - Infants and children weighing <25 kg.

Further information is available in the full prescribing information.
### Venue Floor Plan

#### 25 November 2016

![Floor Plan Image]

---

<table>
<thead>
<tr>
<th>Booth No.</th>
<th>Company</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Full Care Medical</td>
</tr>
<tr>
<td>2</td>
<td>Johnson &amp; Johnson (HK) Ltd.</td>
</tr>
<tr>
<td>3</td>
<td>GlaxoSmithKline Limited</td>
</tr>
<tr>
<td>4</td>
<td>Allergan Asia Limited</td>
</tr>
<tr>
<td>5</td>
<td>Baxter Healthcare Ltd.</td>
</tr>
<tr>
<td>6</td>
<td>BrainLab Ltd.</td>
</tr>
<tr>
<td>7</td>
<td>Stryker China Limited</td>
</tr>
<tr>
<td>8</td>
<td>B. Braun Medical (H.K.) Ltd.</td>
</tr>
<tr>
<td>9</td>
<td>The Industrial Promoting Co., Ltd.</td>
</tr>
<tr>
<td>10</td>
<td>NewTech International Trading Limited</td>
</tr>
<tr>
<td>11</td>
<td>MontsMed Company Limited</td>
</tr>
<tr>
<td>12</td>
<td>Medtronic International, Ltd.</td>
</tr>
</tbody>
</table>
Venue Floor Plan

26 NOVEMBER 2016

<table>
<thead>
<tr>
<th>Booth No.</th>
<th>Company</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>B. Braun Medical (H.K.) Ltd.</td>
</tr>
<tr>
<td>2</td>
<td>Stryker China Limited</td>
</tr>
<tr>
<td>3</td>
<td>Baxter Healthcare Ltd.</td>
</tr>
<tr>
<td>4</td>
<td>GlaxoSmithKline Limited</td>
</tr>
<tr>
<td>5</td>
<td>Medtronic International, Ltd.</td>
</tr>
<tr>
<td>6</td>
<td>Johnson &amp; Johnson (HK) Ltd.</td>
</tr>
<tr>
<td>7</td>
<td>BrainLab Ltd.</td>
</tr>
<tr>
<td>8</td>
<td>Allergan Asia Limited</td>
</tr>
<tr>
<td>9</td>
<td>MontsMed Company Limited</td>
</tr>
<tr>
<td>10</td>
<td>NewTech International Trading Limited</td>
</tr>
<tr>
<td>11</td>
<td>Full Care Medical</td>
</tr>
<tr>
<td>12</td>
<td>The Industrial Promoting Co., Ltd.</td>
</tr>
</tbody>
</table>

Function Space | Non-Function Space | Flow Space | Rest Rooms | Pool Deck
Versatility

Simplicity with control.

Optimal management of hydrocephalus patients requires a versatile device. Only CODMAN CERTAS® Plus Programmable Valves provide all these features combined:

- A range of 8 settings including a "Virtual Off"
- MRI Resistant up to 3 Tesla¹
- Tool Kit options to accommodate different tissue thicknesses
- Available with BACTISEAL® Antimicrobial Catheter and/or SIPHONGUARD® Anti-Siphon Device

¹The clinician should confirm the valve setting after a magnetic resonance imaging procedure (MRI).

www.depuyssynthes.com
LIVE THE EXPERIENCE

Nim-Eclipse™ E4
Nerve Monitoring System

Making changes at a moment’s notice is important in today’s OR. The Nim-Eclipse™ E4 System software boasts an updated interface that is simpler to use, more intuitive, and flexible.

SIMPLIFY. CUSTOMIZE. MODIFY.

For more information please contact Medtronic representatives.
# Program at a Glance

**Venue:** Ballroom I & II, 7/F, Cordis Hong Kong at Langham Place, Mongkok

<table>
<thead>
<tr>
<th>Time</th>
<th>25 November 2016 (Friday)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 am – 9:00 am</td>
<td><strong>Registration</strong></td>
</tr>
<tr>
<td>9:00 am – 9:10 am</td>
<td><strong>Welcome Speech – Dr. Y.C. Po</strong></td>
</tr>
<tr>
<td>9:10 am – 9:50 am</td>
<td><strong>Keynote Lecture I – Prof. Yong Kwang TU</strong>&lt;br&gt;<em>Surgery for trigeminal schwannoma</em>&lt;br&gt;Chairpersons: Dr. Dawson FONG &amp; Dr. Y.C. PO</td>
</tr>
<tr>
<td>9:50 am – 10:30 am</td>
<td><strong>Keynote Lecture II – Dr. Basant K. MISRA</strong>&lt;br&gt;<em>Treatment strategy in acoustic neuroma</em>&lt;br&gt;Chairpersons: Dr. T.S. TSE &amp; Dr. C.P.YU</td>
</tr>
<tr>
<td>10:30 am – 11:00 am</td>
<td><strong>Tea Break</strong></td>
</tr>
<tr>
<td>11:00 am – 12:00 pm</td>
<td><strong>Free Paper I</strong>&lt;br&gt;Chairpersons: Dr. H.M. CHIU &amp; Dr. S.C. SO</td>
</tr>
<tr>
<td>12:00 pm – 12:30 pm</td>
<td><strong>Free Paper II</strong>&lt;br&gt;Chairpersons: Dr. Wilson HO &amp; Dr. Daniel NG</td>
</tr>
<tr>
<td>12:30 pm – 1:40 pm</td>
<td><strong>Lunch - Shanghai Room on 8/F</strong></td>
</tr>
<tr>
<td>1:40 pm – 2:20 pm</td>
<td><strong>Keynote Lecture III – Dr. Basant K. MISRA</strong>&lt;br&gt;<em>Current trends in the Management of Petroclival Meningioma</em>&lt;br&gt;Chairpersons: Dr. C.F. FUNG &amp; Dr. K.Y. YAM</td>
</tr>
<tr>
<td>2:20 pm – 3:00 pm</td>
<td><strong>Keynote Lecture IV - Prof. Yong Kwang TU</strong>&lt;br&gt;<em>Far lateral approach for foramen magnum and jugular foramen lesions</em>&lt;br&gt;Chairpersons: Dr. Y.T. KAN &amp; Dr. H.T. WONG</td>
</tr>
<tr>
<td>3:00 pm – 3:25 pm</td>
<td><strong>Tea Break</strong></td>
</tr>
<tr>
<td>3:25 pm – 4:15 pm</td>
<td><strong>Free Paper III</strong>&lt;br&gt;Chairpersons: Dr. K.Y. CHAN &amp; Dr. S.T. CHAN</td>
</tr>
<tr>
<td>4:15 pm – 5:00 pm</td>
<td><strong>Panel Discussion on Skull Base Surgery by all Guest Speakers</strong>&lt;br&gt;Chairpersons: Dr. Gilberto LEUNG &amp; Dr. W.K. WONG</td>
</tr>
</tbody>
</table>

**Venue for ASM Gala Dinner:** 8/F, Shantung Room, Cordis Hong Kong at Langham Place

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00 pm – 7:00 pm</td>
<td><strong>Cocktail Reception</strong></td>
</tr>
<tr>
<td>7:00 pm – 9:00 pm</td>
<td><strong>ASM Gala Dinner &amp; Lecture - Mr. James TIEN</strong></td>
</tr>
</tbody>
</table>
# Program at a Glance

**Venue:** Ballroom I & II, 7/F, Cordis Hong Kong at Langham Place, Mongkok

<table>
<thead>
<tr>
<th>Time</th>
<th>26 November 2016 (Saturday)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 am – 9:00 am</td>
<td>Registration</td>
</tr>
<tr>
<td>9:00 am – 9:40 am</td>
<td><strong>Keynote Lecture V</strong> - Dr. Basant K. MISRA</td>
</tr>
<tr>
<td></td>
<td>Microsurgery of complex intracranial aneurysms</td>
</tr>
<tr>
<td></td>
<td>Chairpersons: Dr. Joseph LAM &amp; Prof. W. POON</td>
</tr>
<tr>
<td>9:40 am – 10:20 am</td>
<td><strong>Keynote Lecture VI</strong> - Prof. Yong Kwang TU</td>
</tr>
<tr>
<td></td>
<td>Management of dural arteriovenous fistula</td>
</tr>
<tr>
<td></td>
<td>Chairpersons: Dr John KWOK &amp; Dr. W.M. LUI</td>
</tr>
<tr>
<td>10:20 am – 11:00 am</td>
<td><strong>Tea Break</strong></td>
</tr>
<tr>
<td>11:00 am – 12:00 pm</td>
<td><strong>Free Paper IV</strong></td>
</tr>
<tr>
<td></td>
<td>Chairpersons: Dr. K.H. CHAN &amp; Dr. Michael LEE</td>
</tr>
<tr>
<td>12:00 pm – 12:32 pm</td>
<td><strong>Venue: Ballroom III</strong></td>
</tr>
<tr>
<td></td>
<td>Nursing Session</td>
</tr>
<tr>
<td></td>
<td><strong>Synergy in Neurosurgical Nursing</strong></td>
</tr>
<tr>
<td></td>
<td>Chairpersons: Ms H.Y. HO &amp; Mr. M.L. NG</td>
</tr>
<tr>
<td>12:32 pm – 12:40 pm</td>
<td><strong>Group Photo for All</strong></td>
</tr>
<tr>
<td>12:40 pm – 1:40 pm</td>
<td><strong>Lunch Buffet</strong></td>
</tr>
<tr>
<td></td>
<td>– Shanghai Room &amp; Shantung Room on 8/F</td>
</tr>
<tr>
<td>1:40 pm – 2:20 pm</td>
<td><strong>Keynote Lecture V</strong> - Prof. Yong Kwang TU</td>
</tr>
<tr>
<td></td>
<td>Long term results of high flow cerebral revascularization</td>
</tr>
<tr>
<td></td>
<td>Chairpersons: Dr. P.H. CHAN &amp; Dr. S.C. YUEN</td>
</tr>
<tr>
<td>2:20 pm – 3:00 pm</td>
<td><strong>Keynote Lecture VI</strong> - Dr. Basant K. MISRA</td>
</tr>
<tr>
<td></td>
<td>Decision making in the management of Cerebral AVMs</td>
</tr>
<tr>
<td></td>
<td>Chairpersons: Dr. Y.W. FAN &amp; Dr. C.K. WONG</td>
</tr>
<tr>
<td>3:00 pm – 3:25 pm</td>
<td><strong>Tea Break</strong></td>
</tr>
<tr>
<td>3:25 pm – 4:05 pm</td>
<td><strong>Free Paper VI</strong></td>
</tr>
<tr>
<td></td>
<td>Chairpersons: Dr. W.M. HUNG &amp; Dr. Vincent PANG</td>
</tr>
<tr>
<td>4:05 pm – 4:50 pm</td>
<td><strong>Panel Discussion on Unruptured Cerebral Aneurysms by All Guest Speakers</strong></td>
</tr>
<tr>
<td></td>
<td>Chairpersons: Dr. K.M. LEUNG, Derek WONG &amp; Prof. George WONG</td>
</tr>
<tr>
<td>4:50 pm – 5:00 pm</td>
<td>Lucky Draw and Concluding Remarks</td>
</tr>
</tbody>
</table>
Stryker NAV3i™
Surgical Navigation Platform
VERCISE™
Deep Brain Stimulation System

Now for Parkinson’s disease and Dystonia

The first and only DBS system with current steering designed for precise neural targeting to customize therapy for your patients.

It’s time to move forward...
# Programme for Free Paper

## Sessions on 25 November 2016

### Free Paper I

*Chairpersons: Dr. H.M. CHIU & Dr. S.C. SO*

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00 a.m. – 11:10 a.m.</td>
<td>Extracranial-intracranial Bypass and Craniofacial Resection for complex skull base tumor involving the Internal Carotid Artery</td>
<td>Carol PY CHIEN</td>
</tr>
<tr>
<td>11:10 a.m. – 11:20 a.m.</td>
<td>Glioblastoma and its Relationship with the Subventricular Zone – A Multicenter Retrospective Study</td>
<td>HO Man-kit Jason</td>
</tr>
<tr>
<td>11:20 a.m. – 11:30 a.m.</td>
<td>Venous preservation in parasagittal meningioma resection: recurrence and outcome</td>
<td>Remy SL HUNG</td>
</tr>
<tr>
<td>11:30 a.m. – 11:40 a.m.</td>
<td>Stereotactic radiosurgery (SRS) plus whole brain radiotherapy (WBRT) versus surgery plus whole brain radiotherapy for brain metastasis. 10 years result in single institute</td>
<td>HUNG Cheung Yu</td>
</tr>
<tr>
<td>11:40 a.m. – 11:50 a.m.</td>
<td>Simpson Grading revisit; retrospective review of recurrence rate of meningioma after surgical excision</td>
<td>NL CHAN</td>
</tr>
<tr>
<td>11:50 a.m. – 12:00 noon.</td>
<td>Histopathology classification of meningioma (WHO grade I &amp; II) and its clinical profile correlation</td>
<td>WN HO</td>
</tr>
</tbody>
</table>

### Free Paper II

*Chairpersons: Dr. Wilson HO & Dr. Daniel NG*

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00 noon – 12:10 p.m.</td>
<td>Diversity of tumor pathology in the pineal region, a review of pathology and evolving minimal invasive surgical approach</td>
<td>WK WONG</td>
</tr>
<tr>
<td>12:10 p.m. – 12:20 p.m.</td>
<td>Validation of Unruptured Intracranial Aneurysm Treatment Score in Southern Chinese</td>
<td>CHAN Shing Kit Robert</td>
</tr>
<tr>
<td>12:20 p.m. – 12:30 p.m.</td>
<td>Management of subarachnoid hemorrhage due to ruptured intracranial aneurysms: a dual-center review</td>
<td>Joanna WK HO</td>
</tr>
</tbody>
</table>

### Free Paper III

*Chairpersons: Dr. K.Y. Chan & Dr. S.T. Chan*

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:25 p.m. – 3:35 p.m.</td>
<td>Persistence of aneurysms after pipeline embolization device – local one center experience</td>
<td>TF ZHUANG</td>
</tr>
<tr>
<td>3:35 p.m. – 3:45 p.m.</td>
<td>Awake Craniotomy for Excision of Arteriovenous Malformations? Technical Challenges, Surgical Safety and Treatment Outcomes</td>
<td>CHAN David Yuen Chung</td>
</tr>
<tr>
<td>3:45 p.m. – 3:55 p.m.</td>
<td>Endovascular treatment for acute ischemic stroke: review of a single centre experience</td>
<td>JK SHAM</td>
</tr>
<tr>
<td>3:55 p.m. – 4:05 p.m.</td>
<td>Treatment outcomes of unruptured brain arteriovenous malformations with respect to the ARUBA study: a regional retrospective review</td>
<td>CHOW Shuk Wan Joyce</td>
</tr>
<tr>
<td>4:05 p.m. – 4:15 p.m.</td>
<td>Outcome of Endovascular Treatment in the Management of Traumatic and Spontaneous Carotid Cavernous Fistula: A Single Center Review</td>
<td>Natalie KO</td>
</tr>
</tbody>
</table>
## 23rd Annual Scientific Meeting
### Controversies in Neurosurgery

#### Sessions on 26 November 2016

**Free Paper IV**
*Chairpersons: Dr. K.H. CHAN & Dr. Michael LEE*

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00 a.m. – 11:10 a.m.</td>
<td>Angiographic Negative Subarachnoid Haemorrhage- Data from a local neurosurgical centre and review of literature</td>
<td>CHAN SK</td>
</tr>
<tr>
<td>11:10 a.m. – 11:20 a.m.</td>
<td>Knowledge and expectations of the general public in Hong Kong on the symptomatology, risk factors and contemporary management of acute stroke</td>
<td>Yin Yu LAM</td>
</tr>
<tr>
<td>11:20 a.m. – 11:30 a.m.</td>
<td>Transluminal angioplasty for the treatment of cerebral vasospasm following subarachnoid haemorrhage: a ten-year retrospective review</td>
<td>HF YEE</td>
</tr>
<tr>
<td>11:30 a.m. – 11:40 a.m.</td>
<td>Intracranial and extracranial stenting of Artery Occlusive Disease</td>
<td>Ronald LI</td>
</tr>
<tr>
<td>11:40 a.m. – 11:50 a.m.</td>
<td>A Prospective, territory-wide, observational study of external ventricular drains outcome and complication after introduction of antibiotics and silver-impregnated catheters in Hong Kong (The HKNS EVD Study)</td>
<td>ACO TSANG</td>
</tr>
<tr>
<td>11:50 a.m. – 12:00 noon</td>
<td>Case series of Surgical Decompression for Cervical spinal involvement in mucopolysaccharidosis IVA (Morquio-Brailsford or Morquio A syndrome)</td>
<td>KT YEUNG</td>
</tr>
</tbody>
</table>

**Free Paper V**
*Chairpersons: Dr. K.M. CHENG & Dr. S.T. WONG*

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00 noon – 12:10 p.m.</td>
<td>Lateral Lumbar Interbody Fusion - 5 year clinical experience</td>
<td>Joseph MK LAM</td>
</tr>
<tr>
<td>12:10 p.m. – 12:20 p.m.</td>
<td>Mild Traumatic Brain Injury (mTBI) Patients with Post Concussion Symptom (PCS) Have a Reduced Incidence of Returning to Work: A Prospective Cohort Study with Risk Factor Analysis and 6-month Clinical Outcome Investigation</td>
<td>Anna HY CHAN</td>
</tr>
<tr>
<td>12:20 p.m. – 12:32 p.m.</td>
<td>Survey on Non-surgical Management of Traumatic Brain Injury Amongst Local Neurosurgeons</td>
<td>HKNS Research Sub-committee</td>
</tr>
</tbody>
</table>

**Free Paper VI**
*Chairpersons: Dr. W.M. HUNG & Dr. Vincent PANG*

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:25 p.m. – 3:35 p.m.</td>
<td>Chronic Subdural Haematoma: a Trainee's perspective</td>
<td>Sarah LAU</td>
</tr>
<tr>
<td>3:35 p.m. – 3:45 p.m.</td>
<td>Combined Treatment of Baicalein and Low Dose Levodopa (L-DOPA) Improves Gait Deficits in Experimental Parkinson’s Disease (PD)</td>
<td>Vera Z.Y. ZHENG</td>
</tr>
<tr>
<td>3:45 p.m. – 3:55 p.m.</td>
<td>MicroRNA-182 Regulates Neurite Outgrowth Involving PTEN/ AKT Pathway</td>
<td>Wu Ming WANG</td>
</tr>
<tr>
<td>3:55 p.m. – 4:05 p.m.</td>
<td>Natural history of the neck remnant of cerebral aneurysm treated with endovascular coiling in Tuen Mun Hospital</td>
<td>LAU Chun Man Lawrence</td>
</tr>
<tr>
<td>Ref. No.</td>
<td>Title &amp; Author</td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td>----------------</td>
<td></td>
</tr>
<tr>
<td>P101</td>
<td>See-saw Nystagmus in a Patient with a Giant Pituitary Macroadenoma: A Description of the Pathogenesis of this Rare Sign &lt;br&gt; Saori TAKEMURA</td>
<td></td>
</tr>
<tr>
<td>P102</td>
<td>Chordoid Glioma: A case report and review on different surgical approaches &lt;br&gt; CHAN Tin Chak Timothy</td>
<td></td>
</tr>
<tr>
<td>P103</td>
<td>Whole brain radiotherapy for more than 3 brain metastases: a single center experience &lt;br&gt; LUI CWF</td>
<td></td>
</tr>
<tr>
<td>P104</td>
<td>Incidence of pathologically confirmed CNS neoplasms in New Territories West Cluster (NTWC): an epidemiological study based on 2000 cases over 20 years &lt;br&gt; HE Zhexi</td>
<td></td>
</tr>
<tr>
<td>P105</td>
<td>A rare case of pituitary chondrosarcoma, an usual presentation with unusual histology &lt;br&gt; LAM Fong Yee</td>
<td></td>
</tr>
<tr>
<td>P106</td>
<td>A Rare Cause of Sciatica and the Importance of Digital Rectal Examination: Case Report of an Intrapelvic Sciatic Notch Schwannoma &lt;br&gt; HO Man-kit Jason</td>
<td></td>
</tr>
<tr>
<td>P107</td>
<td>Clinical Review of Transnasal Endoscopic Transsphenoidal Surgery for Pituitary Adenoma, Single Centre Experience &lt;br&gt; Ronald LI</td>
<td></td>
</tr>
<tr>
<td>P108</td>
<td>A case of tumefactive demyelinating lesion in a young woman mimicking brain tumour or abscess &lt;br&gt; LEE Kam Fung Alex</td>
<td></td>
</tr>
<tr>
<td>P109</td>
<td>Recurrent meningitis as initial presentation of pituitary adenoma &lt;br&gt; LEUNG Ho Sang</td>
<td></td>
</tr>
<tr>
<td>P110</td>
<td>5 aminolevulinic acid (5-ALA) fluorescence guided resection of glioma: a single centre experience &lt;br&gt; HSIEH Yi Pin Sonia</td>
<td></td>
</tr>
<tr>
<td>P111</td>
<td>Magnetic navigation-guided endoscopic transventricular biopsy for pituitary stalk lesions &lt;br&gt; LI Ka Hin Gabriel</td>
<td></td>
</tr>
<tr>
<td>P112</td>
<td>Atypical intracranial dermoid cyst in an adult patient &lt;br&gt; WONG Ruby YY</td>
<td></td>
</tr>
<tr>
<td>P113</td>
<td>Spinal Lipoma of the filum terminale: review of 30 patients in Queen Mary Hospital &lt;br&gt; HWANG Chin Amanda</td>
<td></td>
</tr>
<tr>
<td>P114</td>
<td>The role of long non-coding RNA CRNDE in gliomagenesis &lt;br&gt; Karrie Mei Yee KIANG</td>
<td></td>
</tr>
<tr>
<td>P115</td>
<td>Quinacrine may Increases the Cytotoxicity of Temozolomide in Glioblastoma via Autophagy Inhibition &lt;br&gt; ZHANG Pingde</td>
<td></td>
</tr>
<tr>
<td>P116</td>
<td>Progesterone benefits experimental non-operable glioma bearing rats in aspects of survival and neurofunctional deterioration &lt;br&gt; Stephen Y. CHENG</td>
<td></td>
</tr>
<tr>
<td>P117</td>
<td>Caffeine sensitizes Temozolomide's chemo-efficacy by impeding cell cycle arrest in the glioma cell line &lt;br&gt; Ning Li</td>
<td></td>
</tr>
<tr>
<td>P118</td>
<td>Basal ganglia germinoma: MRI features and clinical outcome &lt;br&gt; LUK KLB</td>
<td></td>
</tr>
<tr>
<td>Ref. No.</td>
<td>Title &amp; Author</td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td>----------------</td>
<td></td>
</tr>
<tr>
<td>P201</td>
<td>In trauma patients with moderate to severe head injury, what are the risk factors associated with extracranial injuries&lt;br&gt;CHAN Sau Ying Jenny</td>
<td></td>
</tr>
<tr>
<td>P202</td>
<td>Aspirin: a two-edged sword in traumatic subdural hematoma – experience of a tertiary neurosurgical center&lt;br&gt;SEE Ka Wing</td>
<td></td>
</tr>
<tr>
<td>P203</td>
<td>Antiplatelet resistance in patients undergoing flow-diverter treatment for intracranial aneurysm&lt;br&gt;KY CHENG</td>
<td></td>
</tr>
<tr>
<td>P204</td>
<td>Tuberculous arachnoiditis with kyphotic deformity and syringomyelia: case report and literature review&lt;br&gt;CHUNG Man Ting Marvin</td>
<td></td>
</tr>
<tr>
<td>P205</td>
<td>Complications of ventricular over-shunting: Cervical myelopathy in the background of cervical prolapsing intervertebral discs&lt;br&gt;LAM Fong Yee</td>
<td></td>
</tr>
<tr>
<td>P206</td>
<td>Simple frameless stereotactic guider for frontal EVD placement&lt;br&gt;TF ZHUANG</td>
<td></td>
</tr>
<tr>
<td>P207</td>
<td>A Systemic Review on the Use of Atorvastatin for Chronic Subdural Haematoma&lt;br&gt;CHAN David Yuen Chung</td>
<td></td>
</tr>
<tr>
<td>P208</td>
<td>Autologous skull bone for cranioplasty? A study on cranial bone flaps’ viability and microbial contamination&lt;br&gt;CHAN David Yuen Chung</td>
<td></td>
</tr>
<tr>
<td>P209</td>
<td>How doctors should approach risk-disclosure when informing patients of their surgical operation during a preoperative meeting&lt;br&gt;醫生應該如何於手術前會議中講解手術時告知病患者手術的風險&lt;br&gt;David VACEK</td>
<td></td>
</tr>
<tr>
<td>P210</td>
<td>Endoscopic Third Ventriculostomy – A single Institute Experience&lt;br&gt;HUI Ka Ho</td>
<td></td>
</tr>
<tr>
<td>P211</td>
<td>Neuroprotection of Hypoxic Preconditioned Mesenchymal Stem Cells (MSCs) in Experimental Traumatic Brain Injury (TBI)&lt;br&gt;MA Hui</td>
<td></td>
</tr>
<tr>
<td>P212</td>
<td>The Effect of GLP-1 Receptor on Axon Regeneration in a Murine Stroke Model&lt;br&gt;Hao LYU</td>
<td></td>
</tr>
<tr>
<td>P213</td>
<td>Clinical outcomes after lumbar laminectomy and spinal fusion&lt;br&gt;YE Xiao Fan</td>
<td></td>
</tr>
<tr>
<td>P214</td>
<td>A Case of Sodium Valproate Induced Hyperammonemic Encephalopathy&lt;br&gt;YEUNG Wai Yue, Gloria</td>
<td></td>
</tr>
<tr>
<td>P215</td>
<td>Delayed Coil Migration after Embolisation of Ruptured Posterior Communicating Artery Aneurysm: A Case Report&lt;br&gt;HARRIES RJ</td>
<td></td>
</tr>
<tr>
<td>P216</td>
<td>Hearing loss and hydrocephalus: case report and literature review&lt;br&gt;LEE Ying Ki</td>
<td></td>
</tr>
<tr>
<td>P217</td>
<td>Spontaneous Acute Spinal Subarachnoid Hematoma As A Complication Of Warfarin Therapy&lt;br&gt;YT TONG</td>
<td></td>
</tr>
</tbody>
</table>
## Programme for Nursing Session

### 26 November 2016

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00 a.m. – 11:10 a.m.</td>
<td>The use of suction toothbrush to enhance oral hygiene of critically ill patients</td>
<td>CHU Ming-kei</td>
</tr>
<tr>
<td>11:10 a.m. – 11:20 a.m.</td>
<td>CQI Project: Reduction of Tracheostomy Peristomal Breakdown by Using New Dressing Protocol</td>
<td>LAM Kam-wah</td>
</tr>
<tr>
<td>11:20 a.m. – 11:30 a.m.</td>
<td>Pilot Study of Neuro-Modified Early Warning Score (Neuro-MEWS) – Early detection of deteriorating patients</td>
<td>WONG Wing Vivian</td>
</tr>
<tr>
<td>11:30 a.m. – 11:40 a.m.</td>
<td>Preoperative Patient Education Program In Neurosurgery</td>
<td>CHAN Sau-ying</td>
</tr>
<tr>
<td>11:40 a.m. – 11:50 a.m.</td>
<td>Higher versus conventional 11Hz/second stimulation rate in Intraoperative monitoring of Brainstem Auditory Evoked Potential (IOM-BAEP)</td>
<td>NG Cheung-kong</td>
</tr>
<tr>
<td>11:50 a.m. – 12:00 noon</td>
<td>Awake Craniotomy in Neurosurgery Kwong Wah Hospital</td>
<td>LO Kin-yee</td>
</tr>
<tr>
<td>12:00 noon – 12:10 p.m.</td>
<td>Nursing audit report in seven Neurosurgical Centers of Hospital Authority (HA) on “Care of patient with Low Vacuum Wound Drain in Neurosurgical Centers” in Hong Kong</td>
<td>HO Kwan-lun</td>
</tr>
<tr>
<td>12:10 p.m. – 12:30 p.m.</td>
<td>Discussion</td>
<td></td>
</tr>
</tbody>
</table>
Acknowledgement

The Organising Committee would like to extend their heartfelt thanks
to

Allergan Asia Limited
B. Braun Medical (HK) Ltd.
Baxter Healthcare Ltd.
BrainLAB Ltd.
Full Care Medical
Johnson & Johnson (HK) Ltd.
Medtronic International Ltd.
Merch Sharp & Dohme (Asia) Ltd.
MontsMed Company Limited
Newtech International Trading Ltd.
Prism Technologies Limited
Stryker China Limited
Synapse Therapeutics Ltd.
The Industrial Promoting Co., Ltd.

for the generous support and contribution to

23rd Annual Scientific Meeting
The Hong Kong Neurosurgical Society
CUSA® Excel+
Ultrasonic Surgical Aspirator

MAYFIELD
Cranial Stabilization

PRISMTECH
LEADING TECHNOLOGIES
Prism Technologies Limited

INTEGRA
LIMIT UNCERTAINTY