

出國報告（出國類別：開會）

2023 年中國香港亞太中風大會(APSC) 心得報告

服務機關：高雄榮民總醫院/外科部神經外科

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派赴國家：中國香港

出國期間：2023/12/01-2023/12/03

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摘要

2023 年亞太中風大會由香港中風協會與亞太中風組織於香港科學園舉辦，是亞太地區重要的中風領域醫學會議。本次有兩篇院內研究成果獲選於壁報口頭報告單元發表研究成果。報告內容圍繞在蛛網膜下腔出血病患在後續分流管依賴型水腦症的發生風險。除了發表自身的研究成果，也吸收其他國家的醫療照護與臨床研究。許多大師的演講可以讓我了解其他國家正在進行的前瞻性或多中心研究，此類研究的複雜度與難度都很高，但是研究成果能改變許多臨床醫師的醫療行為，能真正推進醫學的進展，欣賞大師們的研究執行細節能夠提升自身的研究能量。

關鍵字

自發性腦出血、腦脊髓液、分流管依賴型水腦症

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一、目的

- (一) 於國際會議上呈現本院對於出血性腦中風的研究成果。
- (二) 在會議中與其他領域專家(神經內科、神經放射科)討論，並吸收不同領域的專家意見。
- (三) 了解最近中風治療的趨勢與發展近況，期望對未來治療能有所啟發。

二、過程

第一天下飛機後直接前往大會會場，現場觀察中國及香港當地醫療人員約占半數，其餘半數來自亞太地區個國家(台灣、日本、韓國、越南、馬來西亞、印尼、澳洲…)，跟過往在台灣本地參加的學術會議，呈現出完全不同的景象。此次會議中發表兩張學術壁報發表，分別呈現本院在蛛網膜下腔出血病患在後續分流管依賴型水腦症的發生風險。

動脈瘤性蛛網膜下腔出血(aSAH)的病人有 20%-35%會併發腦積水。腦積水是 aSAH 患者常見的併發症，根據患者的臨床情況，報導的發生率從 18%到 64%不等。慢性腦積水會延長住院和入住重症監護病房的時間，並增加神經系統缺陷的發病率。腦積水的急性治療通常需要置入臨時性的腦室外引流管(EVD)，因為存在感染風險。EVD 移除之後，有 8%-63%的患者需要永久性的腦脊液分流，大多採用採用腦室-腹腔分流。第一篇研究是利用院內資料庫查找罹患動脈瘤性蜘蛛網膜下腔出血，後續因慢性腦積水從而需要接受永久性的腦脊液分流(腦室-腹腔分流)的病人，回溯性收集其抽血資料及腦部電腦斷層圖像並分析之，並且根據院內資料建立預測模型。第二篇研究則是後續的延伸研究，聚焦於現有科學知識上有哪些有被發表過的臨床因子，利用系統性文獻回顧(systematic review, SR)與統合分析(meta-analysis, MA)的技術，確立真正有意義的臨床因子，以提供未來研究的方向。

三、心得及建議

- (一) Poster presentation 同時有安排口頭報告與討論的環節，報告者在自己的壁報旁口頭報告三分鐘，並接受評審的發問。有趣的是，在我發表完自己的研究報告後，有香港中文大學醫學系的學生，認真的提問了研究的相關問題，後續我們還一同參觀並討論其他人的研究。跟同好聊天的過程中了解到光是在香港當地的香港中文大學跟香港大學的醫學系學制就有所不同，但是共同之處就是他們在學校的時候，就會積極參與基礎或是臨床研究，他們的老師也很鼓勵學生前往各大醫學會發表自己的成果。這位同學便是將他目前分析過後的研究整理好，來做壁報發表。
- (二) 聆聽大會演講也是收穫滿滿的行程，最令我印象深刻的是墨爾本大學的 Professor Bernard Yan 的演講，題目是 Distal thrombectomy: the next FRONTIER in neurointervention，遠端血管內血栓取出術（EVT）作為治療急性缺血性中風（AIS）相關的遠端中等血管阻塞（DMVOs）是個前景光明的新領域。DMVOs 是引起 24% 至 40% AIS 的原因，可能是自發性血栓堵塞或是對大血管阻塞（PLVOs）進行 EVT 治療的意外後果。雖然靜脈內纖維蛋白溶解治療對遠端阻塞比對近端阻塞更有效，但它仍然不能再通一半到三分之二的血栓，這樣代表我們還有很大的努力空間。關於 EVT 治療 DMVOs 的好處，歸因於更細更柔軟的導管，還有更易於導航的支架取回器和血栓吸引裝置的發展，對 DMVOs 進行 EVT 在技術上是安全且有效的。但是，這種治療的潛在缺點包括對更遠端、更脆弱的目標動脈的導管導航，以及可能因為手術時間延遲、麻醉導致的血壓下降，從而損害側枝血流。或許這些疑問都可以在 Professor Bernard Yan 的前瞻性多中心研究中獲得解答。建議未來可多鼓勵醫師參與國際會議交流，精進學術發展。

附錄

議程與壁報口頭發表時程

Programme					Day 1 (1 Dec 2023, Fri)					Day 2 (2 Dec 2023, Sat)					Programme							
Time (UTC + 8)	Grand Hall (Room 1)	CKK (Room 2)	CH05 (Room 3)	CH06 (Room 4)	Time (UTC + 8)	Grand Hall (Room 1)	CKK (Room 2)	CH05 (Room 3)	CH06 (Room 4)	Time (UTC + 8)	Grand Hall (Room 1)	CKK (Room 2)	CH05 (Room 3)	CH06 (Room 4)	Time (UTC + 8)	Grand Hall (Room 1)	CKK (Room 2)	CH05 (Room 3)	CH06 (Room 4)			
08:00 - 08:30	Registration (08:00 - 17:30)				08:00 - 08:30	Registration (08:00 - 17:30)				08:00 - 08:30	Registration (08:00 - 17:30)				08:00 - 08:30	Registration (08:00 - 17:30)						
08:30 - 10:30	Session 1: Thrombectomy Workshop	Session 2: VasCog Asia 12 Workshop	Session 3: Neurooncology Workshop		08:30 - 10:30	Session 13: Stroke: Asia-Pacific Perspectives	Session 14: Stroke Genetics Workshop	Session 15: Asia-Pacific Stroke Nursing Workshop	NSRG Examination	08:30 - 10:30	Session 13: Stroke: Asia-Pacific Perspectives	Session 14: Stroke Genetics Workshop	Session 15: Asia-Pacific Stroke Nursing Workshop	NSRG Examination	08:30 - 10:30	Session 13: Stroke: Asia-Pacific Perspectives	Session 14: Stroke Genetics Workshop	Session 15: Asia-Pacific Stroke Nursing Workshop	NSRG Examination			
10:30 - 11:00	Coffee Break and Poster Tour (Grand Hall / CKK Pre-function Area)				10:30 - 11:00	Coffee Break and Poster Tour (Grand Hall / CKK Pre-function Area)				10:30 - 11:00	Coffee Break and Poster Tour (Grand Hall / CKK Pre-function Area)				10:30 - 11:00	Coffee Break and Poster Tour (Grand Hall / CKK Pre-function Area)						
11:00 - 12:30	Session 4: Presidential Plenary Session (Grand Hall)				11:00 - 12:30	Session 4: Presidential Plenary Session (Grand Hall)				11:00 - 12:30	Session 4: Presidential Plenary Session (Grand Hall)				11:00 - 12:30	Session 4: Presidential Plenary Session (Grand Hall)						
12:30 - 13:30	Session 5: HKSS Lunch Symposium (Grand Hall)				12:30 - 13:30	Session 5: HKSS Lunch Symposium (Grand Hall)				12:30 - 13:30	Session 5: HKSS Lunch Symposium (Grand Hall)				12:30 - 13:30	Session 5: HKSS Lunch Symposium (Grand Hall)						
13:30 - 15:00	Session 6: Advances in MT Workshop	Session 7: Small Vessel Disease	Session 8: CAIS: Cancer Associated Ischaemic Stroke	FP 1: Free Paper Presentation 1	13:30 - 15:00	Session 16: APSO - WSO Session	Session 17: Post-stroke Complication Management Case	FP 4: Free Paper Presentation 4	NSRG Examination	13:30 - 15:00	Session 16: APSO - WSO Session	Session 17: Post-stroke Complication Management Case	FP 4: Free Paper Presentation 4	NSRG Examination	13:30 - 15:00	Session 16: APSO - WSO Session	Session 17: Post-stroke Complication Management Case	FP 4: Free Paper Presentation 4	NSRG Examination			
15:00 - 15:30	Coffee Break and Poster Tour (Grand Hall / CKK Pre-function Area)				15:00 - 15:30	Coffee Break and Poster Tour (Grand Hall / CKK Pre-function Area)				15:00 - 15:30	Coffee Break and Poster Tour (Grand Hall / CKK Pre-function Area)				15:00 - 15:30	Coffee Break and Poster Tour (Grand Hall / CKK Pre-function Area)						
15:30 - 17:00	Session 9: Heart & Brain	Session 10: Extracranial Large Artery Disease	FP 2: Free Paper Presentation 2	FP 3: Free Paper Presentation 3	15:30 - 17:00	Session 18: Lunch Symposium (Stroke & Genetics) (Grand Hall)	Session 19: Updates in Secondary Stroke Prevention	Session 20: Atrial Fibrillation I (Hypertension)	Session 21: Innovation in Stroke Rehabilitation	FP 5: Free Paper Presentation 5	15:30 - 17:00	Session 18: Lunch Symposium (Stroke & Genetics) (Grand Hall)	Session 19: Updates in Secondary Stroke Prevention	Session 20: Atrial Fibrillation I (Hypertension)	Session 21: Innovation in Stroke Rehabilitation	FP 5: Free Paper Presentation 5	15:30 - 17:00	Session 18: Lunch Symposium (Stroke & Genetics) (Grand Hall)	Session 19: Updates in Secondary Stroke Prevention	Session 20: Atrial Fibrillation I (Hypertension)	Session 21: Innovation in Stroke Rehabilitation	FP 5: Free Paper Presentation 5
17:00 - 17:15	Break Time before Opening Ceremony				17:00 - 17:15	Break Time before Opening Ceremony				17:00 - 17:15	Break Time before Opening Ceremony				17:00 - 17:15	Break Time before Opening Ceremony						
17:15 - 18:00	Session 12: Opening Ceremony (Grand Hall)				17:15 - 18:00	Session 12: Opening Ceremony (Grand Hall)				17:15 - 18:00	Session 12: Opening Ceremony (Grand Hall)				17:15 - 18:00	Session 12: Opening Ceremony (Grand Hall)						
18:00 - 19:00	Welcome Reception (Grand Hall + Exhibition Area)				18:00 - 19:00	Welcome Reception (Grand Hall + Exhibition Area)				18:00 - 19:00	Welcome Reception (Grand Hall + Exhibition Area)				18:00 - 19:00	Welcome Reception (Grand Hall + Exhibition Area)						
19:00	End of Day 1 Programme				19:00	End of Day 1 Programme				19:00	End of Day 1 Programme				19:00	End of Day 1 Programme						
19:30 - 21:00	Faculty Dinner (Double Haven 1, 4/F, HKJC Shatin Clubhouse)				19:30 - 21:00	Faculty Dinner (Double Haven 1, 4/F, HKJC Shatin Clubhouse)				19:30 - 21:00	Faculty Dinner (Double Haven 1, 4/F, HKJC Shatin Clubhouse)				19:30 - 21:00	Faculty Dinner (Double Haven 1, 4/F, HKJC Shatin Clubhouse)						
					21:00	End of Day 2 Programme				21:00	End of Day 2 Programme				21:00	End of Day 2 Programme						

Programme					Day 3 (3 Dec 2023, Sun)				
Time (UTC + 8)	Grand Hall (Room 1)	CKK (Room 2)	CH05 (Room 3)		Time (UTC + 8)	Grand Hall (Room 1)	CKK (Room 2)	CH05 (Room 3)	
08:00 - 08:30	Registration (08:00 - 17:00)				08:00 - 08:30	Registration (08:00 - 17:00)			
08:30 - 10:00	Session 28: Intracerebral Hemorrhage	Session 29: Translational Neuroscience	Session 30: Stroke Service in Asia		08:30 - 10:00	Session 28: Intracerebral Hemorrhage	Session 29: Translational Neuroscience	Session 30: Stroke Service in Asia	
10:00 - 10:30	Coffee Break and Poster Tour (Grand Hall / CKK Pre-function Area)				10:00 - 10:30	Coffee Break and Poster Tour (Grand Hall / CKK Pre-function Area)			
10:30 - 12:00	Session 32: Innovation in Stroke Imaging	Session 33: Rare Causes of Stroke in Asia	Session 34: Young Leadership for Stroke & Research		10:30 - 12:00	Session 32: Innovation in Stroke Imaging	Session 33: Rare Causes of Stroke in Asia	Session 34: Young Leadership for Stroke & Research	
12:00 - 13:00	Session 35: Late-Breaking Session (Grand Hall)				12:00 - 13:00	Session 35: Late-Breaking Session (Grand Hall)			
13:00 - 13:30	Session 36: Awards Presentation / Closing Ceremony (Grand Hall)				13:00 - 13:30	Session 36: Awards Presentation / Closing Ceremony (Grand Hall)			
13:30 - 14:30	Lunch (seating available in Grand Hall)				13:30 - 14:30	Lunch (seating available in Grand Hall)			
14:30	End of Day 3 Programme				14:30	End of Day 3 Programme			
14:30 - 17:30	Session 38: 中風康復新劑交流論壇	Session 39: HKSS Stroke Roundtable Meeting (Booths & Exhibitors)	Session 40: Burden of ICH related to Anticoagulants (Anti-Cancer)		14:30 - 17:30	Session 38: 中風康復新劑交流論壇	Session 39: HKSS Stroke Roundtable Meeting (Booths & Exhibitors)	Session 40: Burden of ICH related to Anticoagulants (Anti-Cancer)	

**Asia Pacific Stroke Conference 2023
Poster Presentation Session Details**

Session	Date and Time	Venue
PP1	1 Dec 2023 (Fri) 15:00 - 15:30 UTC + 8	CKK Auditorium Entrance Pre-Function Area, 1/F, 10W, Hong Kong Science Park, Pak Shek Kok, Hong Kong SAR
PP2	2 Dec 2023 (Sat) 10:00 - 10:30 UTC + 8	CKK Auditorium Entrance Pre-Function Area, 1/F, 10W, Hong Kong Science Park, Pak Shek Kok, Hong Kong SAR
PP3	2 Dec 2023 (Sat) 14:30 - 15:00 UTC + 8	CKK Auditorium Entrance Pre-Function Area, 1/F, 10W, Hong Kong Science Park, Pak Shek Kok, Hong Kong SAR
PP4	3 Dec 2023 (Sun) 10:00 - 10:30 UTC + 8	Grand Hall, 1/F, 12W, Hong Kong Science Park, Pak Shek Kok, Hong Kong SAR

Please see the presenter list in next page

Presenter list

Abstract No.	Ref Code	Session	Presenter	Abstract Title
1	AB000033	PP1	Dr. Hanuhiko Hoshino	Clinical Features of Stroke Occurred with Bathing
2	AB000042	PP1	Ms. Weikuo (魏科) Huang	The Mediating Role of Coping Style in the Relationship Between Perceptions of Relapse and Depression in Rural First-time Stroke Patients
3	AB000058	PP1	Dr. Yuet Lan CHAO	Reliability of the Figure-of-Eight Walk Test for Assessing Motor and Walking Performance in People with Hemiparesis After Stroke
6	AB000065	PP1	Ms. Wai Yan Vivian Kwok	Sustaining telecare consultations in nurse-led clinics: Perceptions of stroke patients and advanced practice nurses: a qualitative study
7	AB000066	PP1	Mr. BOAN Chen	Sex-Specific Implications of Inflammation in Covert Cerebral Small Vessel Disease
8	AB000070	PP1	Ms. Yayun Wang	Summary of best evidence of nursing management in patients with indwelling nasogastric tube after stroke
9	AB000074	PP1	Prof. Joong-Goo Kim	Endovascular treatment for stenosis of the petro-cavernous segment of the internal carotid artery
10	AB000077	PP1	Dr. Tatyana Danilova	MRI features in ischemic stroke patients with acute symptomatic seizures and poststroke epilepsy
12	AB000084	PP1	Mr. Fenglai Mao	The Safety And Efficacy Of Early Blood Pressure Reduction For Acute Ischemic Stroke: A Systematic Review And Meta-analysis
13	AB000091	PP1	Mr. Phirat Petchprom	Factors associated with venous collateral in patients with cerebral venous thrombosis
14	AB000093	PP1	Ms. Yongjiao Wang	GLP-1 Receptor Agonists Ameliorate CNI Nerve Injury by Alleviating Endoplasmic Reticulum Stress
15	AB000098	PP1	Prof. Seung-Jae Lee	Doppler Abnormality and Vertebral Artery Steno-occlusion associated with Vertebral Artery Hypoplasia
16	AB000099	PP1	Dr. Yao-Chung Yang	A Predictive Nomogram for Shunt-Dependent Hydrocephalus in Subarachnoid Hemorrhage Patients Undergoing External Ventricular Drainage: Single-Center Study and Literature Review
19	AB000116	PP1	Ms. Lumina Li	Differences in Adjacent Vessel Geometry Ipsilateral and Contralateral to Middle Cerebral Artery Stenosis
21	AB000131	PP1	Dr. HUI FUNG JEROME WU	Cervical Spinal Hematomas Mimicking Acute Ischemic Stroke in Hong Kong: A Case Series
152	AB000650	PP2	Mr. Jin Heon Koh	Ethnic Differences in the Safety and Efficacy of Tenecteplase versus Alteplase for the Treatment of Acute Ischemic Stroke: A Systematic Review and Meta-Analysis.
154	AB000656	PP2	Prof. sang mi noh	Glaucoma as a rare complication of ICA stent insertion
155	AB000657	PP3	Dr. Yao-Chung Yang	Cerebrospinal fluid predictors of shunt-dependent hydrocephalus after hemorrhagic stroke: a systematic review and meta-analysis
156	AB000660	PP3	Ms. Alvasdesty Rahmalita	Indonesia
157	AB000663	PP3	Prof Dong-Eog Kim	Neuroprotective effects of ginseng gintonin in a mouse model of focal ischemic stroke
159	AB000667	PP3	Ms. SITI ROHAIDA BINTI RAHMAT	Perspectives of healthcare professionals on sexual health for stroke survivors in a Singapore tertiary hospital
160	AB000676	PP3	Ms. Charming Yeung	Triple Anti-hypertensive Medication Prediction after Intracerebral Hemorrhage (The TRICH Score)

大會報到處



麥兜的中風衛教

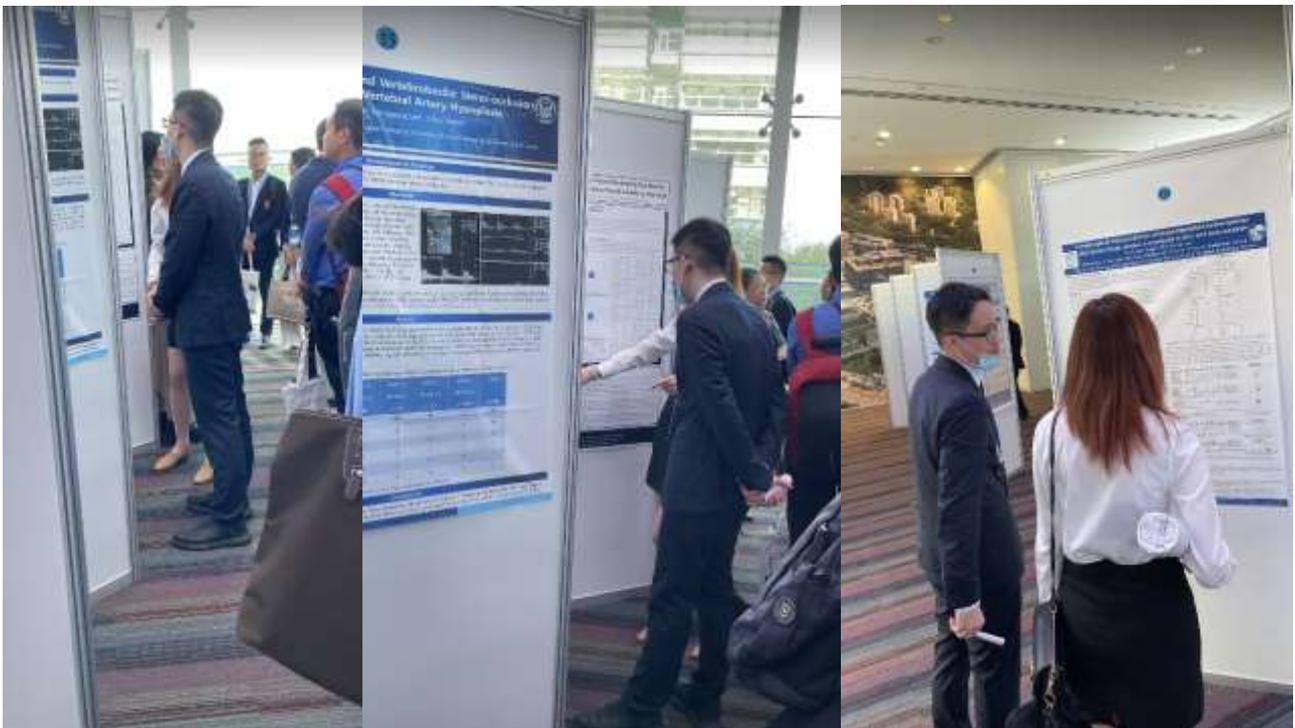
麥兜是源自香港的卡通人物，由謝立文撰寫，麥家碧繪畫。故事開始時是用他的表弟麥嘜命名的。麥兜是唯一獲香港星光大道設立塑像的動畫角色，而香港漫畫星光大道亦有為其設立塑像。(Wiki)



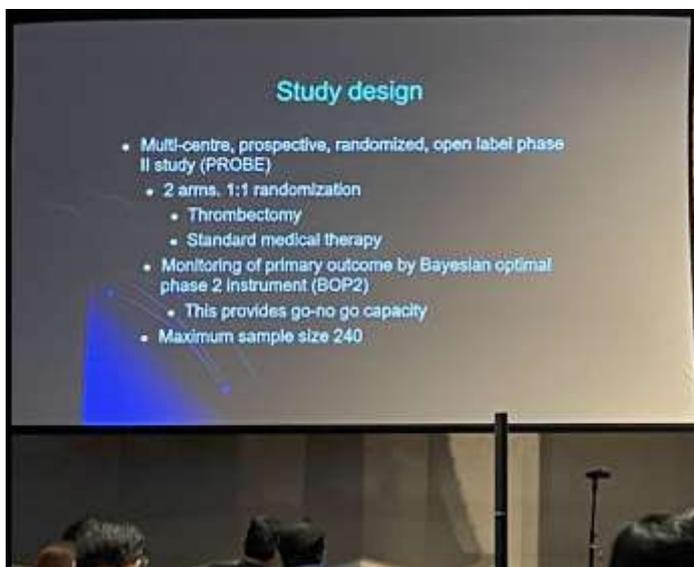
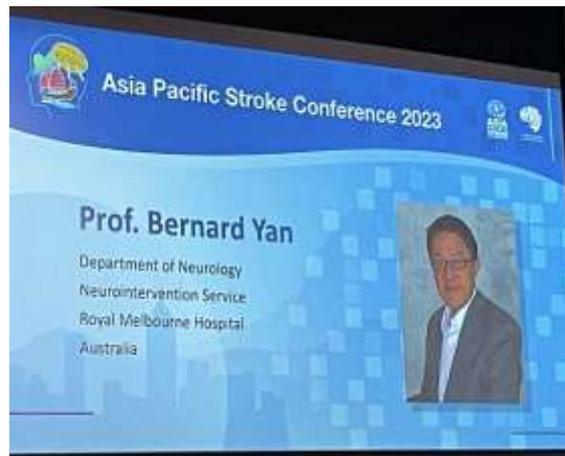
Poster presentation 會場



非常優秀且學識豐富的香港中文大學醫學生



Professor Bernard Yan 非常具啟發性的演講，因為明年(2024)的亞太中風大會在澳洲阿德雷德舉辦，身為澳洲墨爾本大學的教授，Professor Bernard Yan 不忘推薦大家明年到澳洲阿德雷德品嘗當地很有名的葡萄酒。



大會演講主會場



與兩張壁報的合影留念

