

| <b>Free Paper I Vascular 時間：11/3(六)13:30~15:00 地點：4F 雅典廳</b>    |       |   |
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| 時間  | 編號    | 座長: 徐蔚、曾勝弘  |
| 13:30~13:40   | O-120 | <b>Aneurysmal remnants after microsurgical clipping: Reasons and outcomes from a retrospective study</b><br>Bing Zhao, Ming Zhong, Xian Xi Tan, Hui Shi<br>Departments of Neurosurgery, the first affiliated hospital of Wenzhou medical college.   |
| 13:40~13:50   | O-119 | <b>Expression of Notch1 and VEGF on hemorrhagic human brain arterovenous malformations</b><br>XING Hai-xia, ZHAO Bing, Wan-li, TAN Xiang-xin, ZHONG Ming<br>Department of Pathology, the first affiliated hospital of Wenzhou medical college.  |
| 13:50~14:00   | O-93  | <b>Microsurgical Treatment of Hypertensive Brainstem Hemorrhage: Report of 46 cases</b><br>Zhi Gang Lang, M.D.; Hao Li, M.D.; Yi Liu, M.D.; Chao You, M.D.<br>Department of Neurosurgery, West China Hospital of Sichuan University, Chengdu, China   |
| 14:00~14:10   | O-123 | <b>Midterm follow up of patients with poor-grade aneurysmal subarachnoid hemorrhage (aSAH): A multicenter Prospective Clinical Trail (AMPAS)</b><br>Ming Zhong, Bing Zhao, investigators of AMPAS<br>Departments of Neurosurgery, the first affiliated hospital of Wenzhou medical college.   |
| 座長：潘亞文、關曉麗  |       |   |
| 14:10~14:20   | O-42  | <b>Hybrid surgery for chronic symptomatic total occlusion of carotid artery</b><br><i>Yuang-Seng Tsuei</i> , Chunn-Chi Shen<br>Department of Neurosurgery, Taichung Veterans General Hospital   |
| 14:20~14:30   | O-77  | <b>Acute Pulmonary Edema And Congestive Heart Failure Following Intracranial Aneurysm Rupture And Spontaneous Subarachnoid Hemorrhage</b><br>Che-Chao Chang, M.D., Wei-Sheng Juan, M.D., Chih-Hao Tien, M.D., Shih-Huang Tai, M.D., Yu-Chang Hung, M.D., M.Sc., E-Jian Lee, M.D., Ph. D.<br>Division of Neurosurgery, Department of Surgery, National Cheng Kung University Hospital, National Cheng Kung University Medical College  |
| 14:30~14:40   | O-47  | <b>Investigation of the effect of hyperglycemia on intracerebral hemorrhage by proteomic approach</b><br>Cheng-Di Chiu <sup>1,2</sup> , Han-Min Chen <sup>3,4</sup> , Chiung-Chyi Shen <sup>5</sup> , Der-Yang Cho <sup>1</sup><br>1. Graduate Institute of Medical Sciences, National Defense Medical Center, Taipei, Taiwan<br>2. Department of Neurosurgery, China Medical University Hospital, Taichung, Taiwan<br>3. Department of Life Science, Catholic Fu-Jen University, Taipei, Taiwan<br>4. Biomedical and Photonic Interdisciplinary Research Center, Catholic Fu-Jen University, Taipei, Taiwan<br>5. Department of Neurosurgery, Veteran General Hospital, Taichung, Taiwan   |
| 14:40~14:50   | O-79  | <b>Supraorbital Key Hole Craniotomy: Personal seven year experience</b><br>Lin-Hsue Yang, Jionn-Jon Wu, Ee-Sing Tsai, Shih-Hao Huang<br>亞東醫院神經外科  |
| <b>Free Paper II Functional 時間：11/3(六)15:40~17:00 地點：4F 雅典廳</b> |       |   |
| 時間  | 編號    | 座長: 龐琦、黃金福  |
| 15:40-16:10   |       | <b>癲癇外科进展-病例报道和讨论 Advanced in Epilepsy Surgery-Case Report and Review</b><br>李勇杰  |
| 16:10-16:20   | O-73  | <b>“血管懸吊”技術在三叉神經痛和面肌痙攣微血管減壓術中的應用</b><br>张恒<br>四川大学华西医院神经外科  |
| 16:20-16:30   |       | <b>An Easy Adjustable Method of Ecstatic Vertebrobasilar Artery Transposition for Micro-vascular Decompression</b><br>林俊甫<br>台北榮民總醫院神經外科  |
| 16:30-16:40   | O-71  | <b>Microvascular Decompression for Hemifacial Spasm: What Is the Time Point to End the Surgery?</b><br>Shi-Ting Li, Hui Sun, Jun Zhong, Wen-Chuan Zhang, Xuming Hua, Liang Wan, Xue-Sheng Zheng, Jin Zhu<br>Department of Neurosurgery, Xinhua Hospital, Shanghai Jiaotong University School of Medicine, The Cranial Nerve Disease Center of Shanghai  |
| 座長: 劉寧、陳武福  |       |   |
| 16:40-16:50   | O-69  | <b>Clinical Application of Motor Pathway Mapping Using Diffusion Tensor Imaging Tractography and Intraoperative Direct Subcortical Stimulation in Cerebral Glioma Surgery: A Prospective Cohort Study</b><br>1Feng-Ping Zhu, M.D., 2Jin-Song Wu, M.D., Ph.D., 3Yan-Yan Song, M.D., Ph.D., 2Cheng-Jun Yao, M.D., Ph.D., 2Dong-Xiao Zhuang, M.D., Ph.D., 2Geng Xu, M.D., 4Wei-jun Tang, M.D., 2Zhi-Yong Qin, M.D., Ph.D., 2Ying Mao, M.D., Ph.D., 2Liang-Fu Zhou, M.D.<br>1Shanghai Medical College, Fudan University, Shanghai 200040, China<br>2Glioma Surgery Division, Department of Neurologic Surgery, Huashan Hospital, Shanghai Medical College, Fudan University, Shanghai 200040, China<br>3Department of Biostatistics, Medical School of Shanghai Jiaotong University, Shanghai, 200040, China<br>4Department of Radiology, Huashan Hospital, Shanghai Medical College, Fudan University, Shanghai, 200040, China |
| 16:50-17:00   | O-70  | <b>Intra-operative neurophysiological monitoring in 3 Tesla intraoperative MRI environment: phantom study and clinical experience with 57 consecutive cases</b><br>Feng-Ping Zhu, Jin-Song Wu*, Geng Xu, Ying Mao, Liangfu Zhou<br>Neurological Surgery Department, Shanghai Neurosurgical Center, Huashan Hospital, Shanghai Medical College, Fudan University, Shanghai, 200040, China.   |

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| 17:00-17:10   | O-130 | <b>The Application of MR Diffusion-Weighted Imaging in Targeting Glioma for Stereotactic Biopsy</b><br>Yi-Chieh Hung <sup>1</sup> , M.D., Huai-Che Yang <sup>1</sup> M.D., Kang-Du Liu <sup>1,4</sup> , M.D., Sanford P.C. Hsu, M.D. <sup>1,4</sup> , Donald Ming-Tak Ho <sup>3,4</sup> M.D., David Hung-Chi Pan <sup>1,4</sup> , M.D., Wan-Yuo Guo <sup>2,4</sup> M.D. Ph.D.<br><sup>1</sup> Division of Neurosurgery, Neurological Institute, Taipei Veterans General Hospital<br><sup>2</sup> Department of Radiology, Taipei Veterans General Hospital, Taipei, Taiwan<br><sup>3</sup> Department of Pathology, Taipei Veterans General Hospital, Taipei, Taiwan<br><sup>4</sup> School of Medicine, National Yang-Ming University, Taipei, Taiwan |
| 17:10-17:20   | O-57  | <b>Brainstem cavernous malformations: the role of Gamma-Knife surgery</b><br>CHENG-CHIA LEE, M.D., <sup>1,2</sup> DAVID HUNG-CHI PAN, M.D., <sup>1,2</sup> WEN-YUH CHUNG, M.D., <sup>1,2</sup> KANG-DU LIU, M.D., <sup>1,2</sup> HUAI-CHE YANG, M.D., <sup>1,2</sup> HSIU-MEI WU, M.D., <sup>1,3</sup> WAN-YUO GUO, M.D., PH.D., <sup>1,3</sup> AND YANG-HSIN SHIH, M.D., <sup>1,2</sup><br><sup>1</sup> Department of Neurosurgery, Neurological Institute, Taipei Veterans General Hospital<br><sup>2</sup> School of Medicine, National Yang-Ming University, Taipei<br><sup>3</sup> Department of Radiology, Taipei Veterans General Hospital, Taiwan  |
| 17:20-17:30   | O-90  | <b>Gamma Knife radiosurgery of meningiomas involving the cavernous sinus: long-term follow-up of 95 patients</b><br>Wen-Yuh Chung, Yi-Chieh Hung, David Hung-Chi Pan, Kang-Du Liu, Huai-Che Yang, Cheng-Chia Lee, Wan-Yuo Guo, Cheng-Ying Shiau, Hsiu-Mei Wu, Ling-Wei Wang<br>Neurological Institute, Department of Radiology, Cancer Center, Taipei Veterans General Hospital and National Yang-Ming University, Taiwan  |
| 17:30-17:40   | O-114 | <b>影响显微血管减压术治疗</b><br>袁越 于炎冰 张黎<br>卫生部中日友好医院神经外科   |
| <b>Free Paper III Spine 時間：11/4(日)08:10~09:40 地點：3F 宴會廳</b> |       |  |
| 時間  | 編號    | 座長：李剛、盧康   |
| 08:10~08:20   | O-28  | <b>One-off Surgery of Posterior Reduction and Fixation for the Treatment of Basilar Invagination With Atlantoaxial Dislocation</b><br>LIU Jia-gang, HUANG Si-qing<br>Department of Neurosurgery, West China Hospital, Sichuan University, Chengdu 610041, China  |
| 08:20~08:30   | O-98  | <b>Transmuscular insertion of non-cannulated screw in minimal invasive spinal surgery: technical feasibility and initial results</b><br>劉善傑 <sup>1</sup> ，劉榮東 <sup>1</sup> ，張正修 <sup>1</sup> ，廖文瑞 <sup>1</sup> ，李祖信 <sup>1</sup> ，陳偉健 <sup>1</sup><br><sup>1</sup> Department of Neurosurgery, Chung Shan Medical University Hospital, Taichung, 402, Taiwan   |
| 08:30~08:40   | O-51  | <b>Transpedicular thoracolumbar corpectomies with posterior expandable cage placement and circumferential arthrodesis</b><br>Yu-Cheng Chou <sup>1</sup> , Kuo-Feng Huang <sup>2</sup> , Tomor Harnod <sup>1</sup> , Tsung-Lang Chiou <sup>1</sup> , Shin-Yuan Chen <sup>1</sup> , Chain-Fa Sul<br><sup>1</sup> Department of Neurosurgery, Buddhist Tzu Chi General Hospital and Tzu Chi University, Hualien,<br><sup>2</sup> Division of Neurosurgery, Department of Surgery, Buddhist Tzu Chi General Hospital, Taipei Branch and Tzu Chi University, Taiwan   |
| 08:40~08:50   | O-10  | <b>Unilateral Approach for Bilateral Decompression for Contralateral Lateral Spinal Canal Stenosis</b><br>Jiann-Her Lin, M.D. Yung-Hsiao Chiang, M.D., Ph.D.<br>Department of Neurosurgery, Taipei Medical University Hospital, Taipei, Taiwan   |
| 08:50~09:00   | O-126 | <b>微创神经内窥镜下椎管内肿瘤切除 16 例</b><br>周明卫 刘宁 傅震<br>南京医科大学第一附属医院（江苏省人民医院）神经外科  |
| 09:00~09:10   | O-49  | <b>The Correlation between Lumbar Lordosis Restoration and Outcome in the Treatment of Low-Grade Lumbar Spondylolisthesis with Spinal Fusion</b><br>Hsien-Ta Hsu, Chao-Wei Tu, Kuo-Feng Huang, Chung-Shi Wen, Tin-Chou Li, Po-An Tai<br>Division of Neurosurgery, Buddhist Tzu Chi Hospital, Taipei Branch, Taipei, Taiwan   |
| 09:10~09:20   | O-64  | <b>Primary spinal extradural primitive neuroectodermal tumor (PNET)</b><br>Isao Aoi M.D., Kuo-Hsing Liao M.D.<br><sup>1</sup> Departments of Neurosurgery, WanFang Medical Center, Taipei, Taiwan  |
| 08:20~09:30   | O-99  | <b>Tanycytic Ependymoma of Cervical Spinal Cord</b><br>Yi-Syue Tsou, Jiann-Her Lin, Yung-Hsiao Chiang<br>Department of Neurosurgery, Taipei Medical University Hospital, Taipei, Taiwan  |
| 09:30~09:40   | O-54  | <b>Myodil-induced synringomyelia and adhesion arachoroiditis - a case report</b><br>Yi-shan Yang, MD; Jiannher Lin, MD; Yung-Hsiao Chiang, MD PhD<br>Neurosurgery department, Taipei medical university hospital, Taipei Taiwan  |
| <b>Free Paper IV Tumor 時間：11/4(日)08:10~09:40 地點：4F 柏林廳</b>  |       |  |
| 時間  | 編號    | 座長：樂新平、蕭勝煌   |
| 08:10~08:20   | O-89  | <b>Clinic opathological analysis of rhabdoid meningiomas: report of 12 cases and a systematic review of the literature</b><br>YE GONG, MD (*Corresponding Author), YU ZHOU, Master, QING XIE, MD, YING MAO, MD, PING ZHONG, MD, XIAOMING CHE, MD, CHENGCHUAN JIANG, MD, FENGPING HUANG, MD, KANG ZHENG, MD, SHIQI LI, MD, YUXIANG GU, MD, WEIMIN BAO, MD, BOJIE YANG, MD, JINSONG WU, MD, YIN WANG, MD, HONG CHEN, MD, LIQIAN XIE, MD, MINGZHE ZHENG, MD, HAILIANG TANG, MD, DAIJUN WANG, Master, HONGDA ZHU, Master, XIANCHENG CHEN, MD<br>Department of Neurosurgery, Huashan Hospital of Fudan University, Shanghai, China 200040   |

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| 08:20~08:30  | O-26  | <b>2Tumor-associated macrophages canceration : New findings in the dual -color fluorescent tumor tracing model</b><br>Ai-dong Wang、 Bao-qian Cui、 Jun Dong、 Qiang Huang<br>Department of Neurosurgery and Central Laboratory, 2nd Affiliated Hospital, Suzhou University, Suzhou 215004, China  |
| 08:30~08:40  | O-16  | <b>Bevacizumab alone and in combination with irinotecan in recurrent glioblastoma multiforme: A meta-analysis</b><br><i>Guo-Bin Zhang<sup>1</sup></i> , Sheng-Yue Huang <sup>2</sup> , Zhong-Cheng Wang <sup>1,*</sup><br><sup>1</sup> Department of Neurosurgery, Beijing Neurosurgical Institute, Beijing Tiantan Hospital affiliated to Capital Medical University, Beijing, 100050, P.R. China<br><sup>2</sup> Department of Neurosurgery, Fujian Provincial Hospital, Fujian Medical University, Fuzhou, 350001, P.R. China<br>座長: 王海軍、黃銘超   |
| 08:40~08:50  | O-100 | <b>Cervico-medullary cystic ependymoma</b><br>Chun-Hsun Chen, Chih-Peng Wei*, Ming-Dar Tsai<br>Department of Neurosurgery, Shin Kong Wu Ho-Su Memorial Hospital,<br>*Cardinal Tien Hospital, Taipei, Taiwan   |
| 08:50~09:00  | O-39  | <b>Microcirculation patterns in human glioblastoma</b><br>陳忠平<br>Department of Neurosurgery/Neuro-oncology, Cancer Center, Sun Yat-Sen University Guangzhou, Guangdong, 510060, P.R. China  |
| <b>Free Paper V Intraoperative 時間：11/4(日)08:10~09:40 地點：4F 倫敦廳</b> |       |   |
| 時間   | 編號    | 座長: 榮耀、蔡承嘉  |
| 08:10~08:20  | O-111 | <b>A unique case of Chinese language and music dissociation with tumor located in Broca' s area: Multimodal mapping for tumor resection and functional preservation.</b><br><i>Jie Zhang</i> , Jun-Feng Lu, Jin-Song Wu*, Tian-Ming Qiu, Cheng-Jun Yao, Dong-Xiao Zhuang, Ying Mao, Liang-Fu Zhou<br><sup>1</sup> Division of Glioma surgery, Department of Neurosurgery, Huashan Hospital, Shanghai Medical College, Fudan University, Shanghai, China   |
| 08:20~08:30  | O-41  | <b>Hybrid operation room in neurosurgical field: Taichung Veterans General Hospital' s Experience</b><br>Yuang-Seng Tsuei、 Chunn-Chi Shen<br>Department of Neurosurgery, Taichung Veterans General Hospital   |
| 08:30~08:40  | O-110 | <b>Intraoperative functional MRI maps sensorimotor cortex in awake patients with cerebral gliomas</b><br>Junfeng Lu 1, Jinsong Wu 1, Han Zhang 2, Chengjun Yao 1, Dongxiao Zhuang 1, Tianming Qiu 1, Ying Mao 1, and Liangfu Zhou<br><sup>1</sup> Department of Neurosurgery, Huashan Hospital, Fudan University, Shanghai, 200040 China<br><sup>2</sup> Center for Cognition and Brain Disorders, Hangzhou Normal University, Hangzhou, Zhejiang Province, 310015 China  |
| 08:40~08:50  | O-3   | <b>Preoperative and Intraoperative Sensorimotor Mapping for Glioma Patients Using Function Connectivity with Resting State Functional Magnetic Resonance Imaging</b><br>Tian-Ming Qiu <sup>1</sup> , Jing-Song Wu <sup>1</sup> , Dong-Xiao Zhuang <sup>1</sup> , Cheng-Jun Yao <sup>1</sup> , Wei-Jun Tang <sup>2</sup> , Jun-Feng Lu <sup>1</sup> , Feng-Ping Zhu <sup>1</sup> , Yin Mao <sup>1</sup> , Liang-Fu Zhou <sup>1</sup><br><sup>1</sup> Department of Neurosurgery, Huashan Hospital, Shanghai Medical School, Fudan University<br><sup>2</sup> Department of Radiology, Huashan Hospital Fudan University, Shanghai, China<br>座長: 洪濤、陳明德 |
| 08:50~09:00  | O-18  | <b>Prognostic value of intraoperative monitoring of lateral spread response in microvascular decompression for hemifacial spasm: a cohort study and systematic review</b><br><i>Yuan Fang</i> 、 Heng Zhang、 Ding Lei、 Chao You<br>Department of Neurosurgery, West China Hospital, Sichuan University, Sichuan, China   |
| 09:00~09:10  | O-43  | <b>Intraoperative angiography for surgical obliteration of brain AVM and dural AVF</b><br><i>Yuang-Seng Tsuei</i> , Chunn-Chi Shen<br>Department of Neurosurgery, Taichung Veterans General Hospital  |
| 09:10~09:20  | O-19  | <b>Comparison the Impact of three Induction Regimens using Succinylcholine or Vecuronium or not using Muscle Relaxant on the Intraoperative Monitoring of Lateral Spread Response: a Randomized Controlled Trial</b><br><i>Yuan Fang</i> <sup>1</sup> , Heng Zhang <sup>1</sup> , Yu Li <sup>2</sup> , Ding Lei <sup>1</sup> , Chao You <sup>1</sup><br><sup>1</sup> Department of Neurosurgery, West China Hospital, Sichuan University, Sichuan, China<br><sup>2</sup> Department of Anesthesiology, West China Hospital, Sichuan University, Sichuan, China  |
| 08:20~09:30  | O-44  | <b>Successful rescue of arterial perforation during endovascular procedures: report of 3 cases in Taichung Veterans General Hospital hybrid OR</b><br><i>Yuang-Seng Tsuei</i> , Chunn-Chi Shen<br>Department of Neurosurgery, Taichung Veterans General Hospital  |
| <b>Free Paper VI Basic science 時間：11/4(日)08:10~09:40 地點：4F 雅典廳</b> |       |   |
| 時間   | 編號    | 座長: 劉松、馬辛一  |
| 08:10~08:20  | O-33  | <b>GOLPH3 inhibits the endocytosis and degradation of EGFR and promotes gliomagenesis</b><br><i>Shao Xie</i> , Xiuping Zhou, Wenjian Zhan, Guoqiang Luo, Qiong Shi, Rutong Yu<br><sup>1</sup> Department of Neurosurgery, Affiliated Hospital of Xuzhou Medical College, Xuzhou, Jiangsu, China<br><sup>2</sup> Lab of Neurosurgery, Xuzhou Medical College, Xuzhou, Jiangsu, China<br><sup>3</sup> Key Laboratory of Brain Disease Biology, Affiliated Hospital of Xuzhou Medical College, Jiangsu, China<br><sup>4</sup> The Graduate School, Xuzhou Medical College, Xuzhou, Jiangsu, China  |

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| 08:20~08:30   | O-37  | <b>NF-<math>\kappa</math>B mediates Bex2 promoting the proliferation of glioma cells</b><br>Tongle Zhi, Xiuping Zhou, Qingming Meng, Xuebin Xu, Rutong Yu<br>1Department of Neurosurgery, Affiliated Hospital of Xuzhou Medical College, Xuzhou, Jiangsu, China<br>2Lab of Neurosurgery, Xuzhou Medical College, Xuzhou, Jiangsu, China<br>3Key Laboratory of Brain Disease Biology, Affiliated Hospital of Xuzhou Medical College, Jiangsu, China<br>4The Graduate School, Xuzhou Medical College, Xuzhou, Jiangsu, China  |
| 08:30~08:40   | O-87  | <b>Intrathecal granulocyte colony-stimulating factor improves functional recovery in spinal cord injured rats: the role of glutamate transporter 1 and glial cells activation</b><br>Fu-Yuan Shih <sup>1</sup> , Shi-Ying Huang <sup>2</sup> , Zhi-Hong Wen <sup>2</sup> , Wu-Fu Chen <sup>1,2</sup><br><sup>1</sup> Department of Neurosurgery, Kaohsiung Chang Gung Memorial Hospital & Chang Gung University College of Medicine, Kaohsiung, Taiwan<br><sup>2</sup> Department of Marine Biotechnology and Resources, Asia-Pacific Ocean Research Center, National Sun Yat-Sen University  |
| 08:40~08:50   | O-31  | <b>ONEDD4-1 regulates migration and invasion of glioma cells through CNrasGEF ubiquitination</b><br>Xiuping Zhou <sup>1, 2, 3, *</sup> , Hao Zhang <sup>1, 4*</sup> , Wenchen Nie <sup>4*</sup> , Huaibing Wu <sup>4</sup> , Gentang Zhang <sup>4</sup> , Zhiqiang Li <sup>4</sup> , Qiong Shi <sup>1, 2, 3</sup> , Rutong Yu <sup>1, 2, 3</sup><br>1Department of Neurosurgery, Affiliated Hospital of Xuzhou Medical College, Xuzhou, Jiangsu, China<br>2Lab of Neurosurgery, Xuzhou Medical College, Xuzhou, Jiangsu, China<br>3Key Laboratory of Brain Disease Biology, Affiliated Hospital of Xuzhou Medical College, Jiangsu, China<br>4The Graduate School, Xuzhou Medical College, Xuzhou, Jiangsu, China |
| 座長: 姜曉丹、張丞圭   |       |   |
| 08:50~09:00   | O-29  | <b>Research on the role of EEG in evaluation of early neurological function following intracerebral hemorrhage in rats</b><br>Wei Shi, Jing-Nan Pu, Bo Chen, Sheng-Li Huang, Chong-Xiao Liu, Jian-Jun Sun, Rui-Zhi Wang, Rong-Hui Jin, Fang-Ru Wang<br>Department of Neurosurgery, The Second Affiliated Hospital, School of Medicine, Xi'an Jiaotong University, Xi'an, China.   |
| 09:00~09:10   | O-102 | <b>The Role of Autonomic Nervous System in the Pathophysiology of Hemifacial Spasm</b><br>仲駿 · Shi-Ting Li, MD, PhD<br>The Department of Neurosurgery, XinHua Hospital, Shanghai JiaoTong University School of Medicine; The Cranial Disease Center of Shanghai, Shanghai 20092, China  |
| 09:10~09:20   | O-24  | <b>Establishing radiation-induced optic neuropathy model of rhesus monkey by gamma knife</b><br>Jing Chen, Yong Xia, Jun Chen, Li Xiong, Jiagang Liu, Xuesong Liu, Lu Ma, Qiao Zhang, Chao You, Xuyang Liu, Xiaoyu Wang, Yan Ju<br>1 Department of Neurosurgery, West China Hospital, Sichuan University, Chengdu, Sichuan Province, P. R. China<br>2 Department of Ophthalmology, West China Hospital, Sichuan University, Chengdu, Sichuan Province, P. R. China  |
| 08:20~09:30   | O-82  | <b>Inhibitory effect of valproic acid on neurotransmitter release from primary cortical neurons of rats</b><br>Hang-Wei Liu <sup>1</sup> , Ming-Dar Tsai <sup>1,2</sup> , Hsian-Wei Hu <sup>2</sup> , Yih-Jing Lee <sup>2</sup><br>1 Department of Neurosurgery, Shin Kong Wu Ho-Su Memorial Hospital<br>2 School of Medicine, Fu-Jen Catholic University   |
| <b>Free Paper VII Tumor 時間：11/4(日)10:10~12:00 地點：4F 柏林廳</b> |       |   |
| 時間  | 編號    | 座長: 漆松濤、陳志偉   |
| 10:10~10:20   | O-97  | <b>Diagnosis of a suprasellar tumor mimicking craniopharyngioma as germinoma with rapid regression after computed tomography (CT) scan</b><br>Chih-Chang Chang, Yu-Shu Yen, Yang-Hsin Shih<br>Department of Neurosurgery, Neurological Institute, Taipei Veterans General Hospital, and National Yang-Ming University, School of Medicine, Taipei, Taiwan   |
| 10:20~10:30   | O-75  | <b>Effects of a novel lipophilic folate derivative containing liposomes loaded with doxorubicin on cell viability in nonfunctional pituitary adenomas</b><br>劉小海<br>Director of Neurosurgery Department of Peking Union Medical College Hospital  |
| 10:30~10:40   | O-117 | <b>Post-Transplantation Primary Central Nervous System Lymphoma : Diagnosis and treatment experience with two cases report in NCKUH</b><br>Liang-Chun Chao, Wei-Sheng Juan, Che-Chao Chang, Shih-Huang Tai, Yu-Chang Hung, E-Jian Lee<br>Neurosurgical Service, Departments of Surgery, National Cheng Kung University Hospital, College of Medicine, National Cheng Kung University, Tainan, Taiwan.   |
| 10:40~10:50   | O-74  | <b>Preliminary application of multimodal neuronavigation and 3.0 T intraoperative magnetic resonance imaging navigation for needle biopsy.</b><br>Cheng-jun Yao, Jin-song Wu, Dong-xiao Zhuang, Jun Guo, Tian-ming Qiu, Ying Mao, Liang-fu Zhou.<br>Glioma Surgery Division, Neurological Surgery Department, Huashan Hospital  |
| 10:50~11:00   | O-27  | <b>Preliminary studies on the mechanisms of tumor tissue remodeling based on dual-color fluorescence human glioma model</b><br>Xingliang Dai, Jun Dong, Aidong Wang, Qin Lan, Qiang Huang<br>Department of Neurosurgery, 2 <sup>nd</sup> Affiliated hospital of Suzhou University, Suzhou, 215004, China  |
| 座長: 于如同、蔡承嘉   |       |   |
| 11:00~11:10   | O-105 | <b>经双额前颅底扩展入路切除巨大颅鼻沟通肿瘤</b><br>吴斌、王计强、周文江、杨庆哲、宋明<br>首都医科大学第十一临床医学院；北京三博脑科医院   |

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| 11:10~11:20   | O-62  | <b>The anticancer effects and molecular mechanisms of Sann-Joong-Kuey-Jian-Tang in human brain tumor DBTRG cells</b><br>鄭均涇,黃毓婷,曾宛萍,蘇進成<br>彰化基督教醫院 1.神經外科 2.中西結合腫瘤研究中心  |
| 11:20~11:30   | O-23  | <b>Role of glioma stem cells in tissue remodeling of gliomagenesis</b><br>Jun Dong,Jun Dong, Qiang Huang, Qing Lan<br>Department of Neurosurgery, 2 <sup>nd</sup> Affiliated hospital of Suzhou University, Suzhou,215004, China  |
| 11:30~11:40   | O-106 | <b>丘腦膠質瘤的手術治療</b><br>高之憲 <sup>1</sup> , 季楠 <sup>2</sup> , 謝堅 <sup>2</sup> , 王江飛 <sup>2</sup> , 張鵬 <sup>2</sup> , 王忠誠 <sup>3</sup><br>1 (通訊作者):醫學博士;首都醫科大學附屬北京天壇醫院神經外科,北京,中國<br>2:醫學博士;首都醫科大學附屬北京天壇醫院神經外科,北京,中國<br>3:醫學博士;現任中華醫學會神經外科學會主任委員,中國醫學科學院神經科學研究所所長、中國醫學科學院北京天壇醫院名譽院長,世界衛生組織(WHO)神經外科專家諮詢團委員,國際腦研究協會成員,美國、日本神經外科學會名譽會員。首都醫科大學附屬北京天壇醫院神經外科,北京,中國   |
| 11:40~11:50   | O-101 | <b>Ommaya Implantations in Cystic Brain tumors for Stereotactic radiosurgery and Reduction of Mass Effect</b><br>Yu-Ning Chen, Lian Chun Chao, Chi-Hau Tien, E-Jian Lee<br>Division of Neurosurgery, Department of Surgery, National Cheng Kung University Hospital, Tainan, Taiwan   |
| <b>Free PaperVIII Skull base 、Infection、Hydrocephalus 時間:11/4(日)10:10~12:00 地點:4F 倫敦廳</b> |       |   |
| 時間  | 編號    | 座長: 喬惠、葉昭宏  |
| 10:10~10:20   | O-50  | <b>5MICROSURGICAL TREATMENT FOR BRAIN STEM LESIONS</b><br>Yu-Gang Jiang, Yong Peng, Ming-Ming Zhang<br>Departments of Neurosurgery, the second XiangYa hospital of Central South University, ChangSha, HuNan, China   |
| 10:20~10:30   | O-91  | <b>Application of neuroendoscope in the treatment of skull base chordoma</b><br>Zhang Ya-zhuo, Wang Zhong-cheng, Zong Xu-yi, Wang Xin-sheng, Gui Song-bai, Zhao Peng, Li Chu-zhong, He Yue, Wang Hong-yun<br>Beijing Neurosurgical Institute Department of Neurosurgery, Beijing Tiantan Hospital, Capital Medical University, Beijing China  |
| 10:30~10:40   | O-66  | <b>Surgical treatment for the neoplasms involving both lateral skull base and middle skull base ---anatomy &amp; surgical approach</b><br>伊志强 鮑聖德<br>Dept. of Neurosurgery, Peking University First Hospital  |
| 10:40~10:50   | O-124 | <b>Diagnosis and Endoscopic surgery strategy for the posterior cranial fossa cysts combined with obstructive hydrocephalus</b><br>Zhu Guang-tong, <sup>1</sup> , hu zhiqiang <sup>1</sup> ,Huang Hui,Guan Feng <sup>1</sup> ,Dai Bin <sup>1</sup> ,Mao Bei-bei <sup>1</sup> , Wang shao-heng <sup>1</sup> , Kang Zhuang <sup>1</sup> ,<br><sup>1</sup> Department of Neurosurgery, Beijing Shijitan Hospital affiliated to Capital Medical University.Beijing,China.  |
| 座長: 王占祥、李文源   |       |   |
| 11:00~11:10   | O-72  | <b>大腦半球凸面蛛網膜囊腫的內鏡手術治療</b><br>桂松柏 <sup>1</sup> , 王新生 <sup>1</sup> , 宗緒毅 <sup>1</sup> , 曹楚南 <sup>3</sup> , 李博 <sup>1</sup> , 李儲忠 <sup>2</sup> , 張亞卓<br>1.首都醫科大學附屬北京天壇醫院神經外科;<br>2.北京市神經外科研究所;<br>3.貴陽市第二人民醫院 貴陽腦科醫院神經外科   |
| 11:10~11:20   | O-11  | <b>Management of severe intracranial hypertension in slit ventricle syndrome with apnea using cranial vault expansion</b><br>Qiang Li, M.D.; Chao You, M.D.; Zhiyong Liu, M.D.; Hao Liu, M.D.; Xiutian Sima, M.D.; Jianguo Xu, M.D.;<br>Department of Neurosurgery, West China Hospital of Sichuan University, Chengdu, China   |
| 11:20~11:30   | O-48  | <b>Bacterial Brain Abscess Formation: Is it a delayed complication of radiotherapy?</b><br>Jimmy Ming-Jung Chuang, M.D.<br>Department of Neurosurgery, Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan.   |
| 11:30~11:40   | O-112 | <b>Endovascular Treatment of Hypoglossal Canal Dural Arteriovenous Fistulas</b><br>1 Yu-Hone Hsu, 2 Chung-Wei Lee, 2 Yao-Hung Wang, 2 Hon-Man Liu<br><sup>1</sup> Departments of Neurosurgery, Cheng Hsin General Hospital, Taipei, Taiwan<br><sup>2</sup> Department of Medical Imaging, section of Neuroradiology, National Taiwan University Hospital, Taipei, Taiwan  |
| <b>Free PaperIX Basic science 時間:11/4(日)10:10~12:00 地點:4F 雅典廳</b>                         |       |   |
| 時間  | 編號    | 座長: 萬虹、賴達明  |
| 10:10~10:20   | O-2   | <b>A new target of antiangiogenic therapy for glioblastoma: ER71 mediates the transdifferentiation of endothelial cells from glioblastoma stem cells</b><br>Fang Fang <sup>1</sup> , Chengjian Zhao <sup>2</sup> , Hanshuo Yang <sup>2</sup> , Yiwei Zhao <sup>2</sup> , Ruichao Liang <sup>1</sup> , Liangxue Zhou <sup>1</sup> , Jianguo Xu <sup>1</sup> , Chao You <sup>1</sup><br><sup>1</sup> Department of Neurosurgery, West China Hospital, Sichuan University, Chengdu, Sichuan, China<br><sup>2</sup> State Key Laboratory of Biotherapy and Cancer Center, West China Hospital, West China Medical School, Sichuan University, Chengdu, Sichuan, China |

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| 10:20~10:30   | O-36 | <b>Bex2 is critical for migration and invasion in malignant glioma cells</b><br><u>Xu Xuebin</u> , Zhou Xiuping, Meng Qingming, Hu Jinxia, Zhi Tongle, Shi Qiong, Yu Rutong<br><sup>1</sup> Department of Neurosurgery, Affiliated Hospital of Xuzhou Medical College, Xuzhou, Jiangsu, China<br><sup>2</sup> Lab of Neurosurgery, Xuzhou Medical College, Xuzhou, Jiangsu, China<br><sup>3</sup> Key Laboratory of Brain Disease Biology, Affiliated Hospital of Xuzhou Medical College, Jiangsu, China<br><sup>4</sup> The Graduate School, Xuzhou Medical College, Xuzhou, Jiangsu, China  |
| 10:30~10:40   | O-30 | <b>Bex2 regulates cell proliferation and apoptosis in malignant glioma cells via the c-Jun NH2-terminal kinase pathway</b><br><u>Qingming Meng</u> <sup>1, 4*</sup> , <u>Xiuping Zhou</u> <sup>1, 2, 3, *</sup> , Xuebin Xu <sup>4</sup> , Tongle Zhi <sup>4</sup> , Qiong Shi <sup>1, 2, 3</sup> , Yong Wang <sup>4</sup> , Rutong Yu <sup>1, 2, 3</sup><br><sup>1</sup> Department of Neurosurgery, Affiliated Hospital of Xuzhou Medical College, Xuzhou, Jiangsu, China<br><sup>2</sup> Lab of Neurosurgery, Xuzhou Medical College, Xuzhou, Jiangsu, China<br><sup>3</sup> Key Laboratory of Brain Disease Biology, Affiliated Hospital of Xuzhou Medical College, Jiangsu, China<br><sup>4</sup> The Graduate School, Xuzhou Medical College, Xuzhou, Jiangsu, China<br>*These authors contributed equally to this work |
| 10:40~10:50   | O-53 | <b>Synergistic augmentation of temozolomide-induced cytotoxicity by cinnamophilin in human malignant glioma cells</b><br><u>Yu-Wen Lin</u> <sup>1</sup> , Wei-Ting Lee <sup>1</sup> , Sheng-yang Huang <sup>1</sup> , Tian-Shung Wu <sup>2</sup> , E-Jian Lee <sup>1</sup><br><sup>1</sup> Neurophysiology Laboratory, Neurosurgical Service, Department of Surgery, National Cheng Kung University Medical College and Hospital, Tainan, Taiwan<br><sup>2</sup> Department of Chemistry, National Cheng Kung University, Tainan, Taiwan  |
| 10:50~11:00   | O-35 | <b>FRK controls migration and invasion of human glioma cells by regulating JNK/c-Jun Signaling</b><br><u>Lei Hua</u> <sup>1, 4</sup> , <u>Xiuping Zhou</u> <sup>1, 2, 3</sup> , Weijian Zhang <sup>4</sup> , Ming Zhu <sup>4</sup> , Qiong Shi <sup>1, 2, 3</sup> , Feng Li <sup>4</sup> , Liexiang Zhang <sup>4</sup> , Chao Song <sup>4</sup> , Rutong Yu <sup>1, 2</sup><br><sup>1</sup> Department of Neurosurgery, Affiliated Hospital of Xuzhou Medical College, Xuzhou, Jiangsu, China<br><sup>2</sup> Lab of Neurosurgery, Xuzhou Medical College, Xuzhou, Jiangsu, China<br><sup>3</sup> Key Laboratory of Brain Disease Biology, Affiliated Hospital of Xuzhou Medical College, Jiangsu, China<br><sup>4</sup> The Graduate School, Xuzhou Medical College, Xuzhou, Jiangsu, China<br>座長: 張慶俊、林志隆                   |
| 11:00~11:10   | O-34 | <b>Geranylgeranyltransferase I regulates HIF-1<math>\alpha</math> promoting glioblastoma cell migration and invasion</b><br><u>Zhi Liu</u> , <u>Xiuping Zhou</u> , <u>Qiong Shi</u> , Jiantong Jiao, Yinfu Xu, Jinming Qian, Rutong Yu<br><sup>1</sup> Department of Neurosurgery, Affiliated Hospital of Xuzhou Medical College, Xuzhou, Jiangsu, China<br><sup>2</sup> Lab of Neurosurgery, Xuzhou Medical College, Xuzhou, Jiangsu, China<br><sup>3</sup> Key Laboratory of Brain Disease Biology, Affiliated Hospital of Xuzhou Medical College, Jiangsu, China<br><sup>4</sup> The Graduate School, Xuzhou Medical College, Xuzhou, Jiangsu, China   |
| 11:10~11:20   | O-45 | <b>Glioblastoma Treated with rAAV2-mediated Interleukin-12 through Activation of Microglia and TRAIL in a Syngeneic Rat Model</b><br>Tsung-Lang Chiu <sup>1,2</sup> , Mei-Jan Wang <sup>3,4</sup> , Chin-Cheng Su <sup>5</sup><br><sup>1</sup> Division of Neuro-Oncology, Neuro-Medical Scientific Center, Buddhist Tzu-Chi General Hospital, Hualien, Taiwan,<br><sup>2</sup> Tzu-Chi University, Hualien, Taiwan<br><sup>3</sup> Department of Research, Buddhist Tzu Chi General Hospital, Hualien, Taiwan<br><sup>4</sup> Tzu Chi College of Technology, Hualien, Taiwan<br><sup>5</sup> Department of surgery and Comprehensive Breast cancer center, Changhua Christian Hospital, Changhua, Taiwan   |
| 11:20~11:30   | O-38 | <b>Geranylgeranyltransferase I Target Rac1 To Involve in the proliferation and apoptosis of human glioma cells</b><br><u>Jinming Qian</u> , Xiuping Zhou, Zhi Liu, Yinfu Xu, Lei Hua, Rutong Yu<br><sup>1</sup> Department of Neurosurgery, Affiliated Hospital of Xuzhou Medical College, Xuzhou, Jiangsu, China<br><sup>2</sup> Lab of Neurosurgery, Xuzhou Medical College, Xuzhou, Jiangsu, China<br><sup>3</sup> Key Laboratory of Brain Disease Biology, Affiliated Hospital of Xuzhou Medical College, Jiangsu, China<br><sup>4</sup> The Graduate School, Xuzhou Medical College, Xuzhou, Jiangsu, China  |
| 11:30~11:40   | O-32 | <b>Regulation of Rap2a by the ubiquitin ligase Nedd4-1 controls the migration and invasion in glioma</b><br><u>Wang Lei</u> , Zhou Xiuping, Zhang Du, Meng Qingming, Yu Rutong<br><sup>1</sup> Department of Neurosurgery, Affiliated Hospital of Xuzhou Medical College, Xuzhou, Jiangsu, China<br><sup>2</sup> Lab of Neurosurgery, Xuzhou Medical College, Xuzhou, Jiangsu, China<br><sup>3</sup> Key Laboratory of Brain Disease Biology, Affiliated Hospital of Xuzhou Medical College, Jiangsu, China   |
| 11:40~11:50   | O-14 | <b>Craniopharyngioma cell growth can be promoted by GH and inhibited by tamoxifen: involvement of GHR and IGF-1R</b><br><u>Qiang Li</u> , M.D.; Chao You, M.D. Liang Liu, M.D.; Zhengxi Rao, M.D.; Xiutian Sima, M.D.; Liangxue Zhou, M.D.; <u>Jianguo Xu</u> , M.D.;<br>Department of Neurosurgery, West China Hospital of Sichuan University, Chengdu, China  |
| <b>Free Paper X Spine 時間：11/4(日)15:40~16:30 地點：3F 宴會廳</b> |      |   |
| 時間  | 編號   | 座長: 張曉彪、方文貴   |
| 15:40~15:50   | O-59 | <b>Pediatric atlanto-axial rotatory subluxation after a minor trauma and chiropractic manipulation</b><br><u>Ying Kao</u> , Chih-Ju Chang, Cheng-Ta Hsieh<br>Division of Neurosurgery, Department of Surgery, Cathay General Hospital, Taipei, Taiwan   |
| 14:50~16:00   | O-85 | <b>A Lumbar Spinal Intradural Extramedullary Ganglioneuroma</b><br><u>Feng-ji Tsai</u> <sup>1,2</sup> , Boon-kee Lua <sup>1,2</sup> , Ann-shung Lieu <sup>1,2,3</sup> , Shiuh-Lin Hwang <sup>1,2,3</sup><br>Department of Neurosurgery, Kaohsiung Medical University Hospital, Kaohsiung, Taiwan <sup>1</sup> ;<br>College of Medicine, Kaohsiung Medical University, Kaohsiung, Taiwan <sup>2</sup> ;<br>Faculty of Medical School, College of Medicine, Kaohsiung Medical University, Kaohsiung, Taiwan <sup>3</sup>  |

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| 16:00~16:10   | O-1   | <b>Surgical management of giant pre-sacral tumor</b><br>Shang-wun Jhang, Chih-Chuan Yang, Chun-Yuan Cheng<br>Department of neurosurgery, Chunghua Christian Hospital, Chunghua, Taiwan  |
| 16:10~16:20   | O-76  | <b>Traumatic intraspinal herniation of lung tissue presented as radiological pneumorrhachis</b><br>Hui-Tzung Luh, Meng-Fai Kuo, Dar-Ming Lai, Chang-Mu Chen, Furen Xiao, Shih-Hung Yang<br>Division of Neurosurgery, Department of Surgery, National Taiwan University Hospital, Taipei, Taiwan   |
| <b>Free Paper X I Pediatric 時間：11/4(日)15:40~16:30 地點：4F 雅典廳</b>   |       |   |
| 時間  | 編號    | 座長：黨木仁·加蒲、郭夢菲   |
| 15:40~15:50   | O-83  | <b>Diagnosis and Treatment of Subependymal Giant Cell Astrocytoma in Beijing Tiantan Hospital</b><br>Tao Jiang, Ge Jia, ZhenYu Ma, ShiQi Luo, YuQi Zhang<br>Department of Neurosurgery, Beijing Tiantan Hospital, Capital Medical University, Beijing<br>Pediatric Neurosurgical Research Lab, Beijing Neurosurgical Institute, Capital Medical University,   |
| 14:50~16:00   | O-80  | <b>Surgical Outcomes of Epilepsy in Children with Focal Cortical Dysplasia</b><br>Hsin-Hung Chen, M.D., Chien Chen, M.D., Shih-Chieh Lin, M.D., Ting-Rong Hsu, M.D., Muh-Lii Liang, M.D., Kai-Ping Chang, M.D.,<br>Shang-Yeong Kwan, M.D., Donald M. Ho, M.D., Tai-Tong Wong, M.D.<br>Taipei Veterans General Hospital and<br>National Yang-Ming University School of Medicine  |
| 16:00~16:10   | O-115 | <b>CSF Shunt Procedures in Taiwan: An epidemiological study using the National Health Insurance Database</b><br>Wen-Kuei Chung, Meng-Fai Kuo <sup>1</sup> , Yong-Kwang Tu <sup>1</sup> , Chao-Hsiun Tang <sup>2</sup> , Kuan-Chi Huang <sup>2</sup> , Shih-Hung Yang <sup>1</sup><br>Department of Neurosurgery, National Taiwan University Hospital, Taipei, Taiwan <sup>1</sup><br>School of Health Care Administration, Taipei Medical University, Taipei, Taiwan <sup>2</sup>   |
| 16:10~16:20   | O-81  | <b>Basal Ganglia Germ Cell Tumors: report of 43 cases</b><br>Hsin-Hung Chen, M.D., <sup>1,6</sup> Feng-Chi Chang, M.D., <sup>2,6</sup> Yi-Wei Chen, M.D., <sup>5,6</sup> Shih-Chieh Lin, M.D., <sup>4,6</sup> Ting-Rong Hsu, M.D., <sup>3,6</sup> Muh-Lii Liang, M.D., <sup>1,6</sup> Kai-Ping Chang, M.D., <sup>3,6</sup> Sang-Hue Yang, M.D., <sup>5,6</sup> Donald M. Ho, M.D., <sup>4,6</sup> Tai-Tong Wong, M.D. <sup>1,6</sup><br><sup>1</sup> Pediatric Neurosurgical Division, The Neurological Institute,<br><sup>2</sup> Department of Radiology,<br><sup>3</sup> Department of Pediatrics,<br><sup>4</sup> Department of Pathology, <sup>5</sup> Radiotherapy Division, Cancer Center, Taipei Veterans General Hospital and <sup>6</sup> National Yang Ming University School of Medicine, Taipei, Taiwan, R.O.C.  |
| <b>Free Paper X II Vascular 時間：11/4(日)15:40~16:30 地點：4F 巴紐廳</b>   |       |   |
| 時間  | 編號    | 座長：柳琛、黃祖源   |
| 15:40~15:50   | O-6   | <b>ICP monitoring and external ventricular drainage in aneurysmal subarachnoid hemorrhage</b><br>Xiang Wang, Qiao Zhang, Qing Mao, Chao You<br>Department of Neurosurgery, West China Hospital of Sichuan University, Chengdu   |
| 14:50~16:00   | O-15  | <b>Surgical treatment for large spontaneous basal ganglia hemorrhage: retrospective analysis of 253 cases</b><br>Qiang Li, M.D.; Chao-hua Yang, M.D.; Jianguo Xu, M.D.; Hao Li, M.D.; Chao You, M.D.<br>Department of Neurosurgery, West China Hospital of Sichuan University, Chengdu, China   |
| 16:00~16:10   | O-12  | <b>Fusiform dilation of internal carotid artery following craniopharyngioma resection: a different modality in adult?</b><br>Qiang Li, M.D.; Jianguo Xu, M.D.; Chao-hua Wang, M.D.; Shuang Liu, M.D.; Chao You, M.D.;<br>Department of Neurosurgery, West China Hospital of Sichuan University, Chengdu, China  |
| 16:10~16:20   | O-121 | <b>Safety, efficacy, complication of Neuroform, Enterprise and Solitaire devices in stent-assisted coiling of intracranial aneurysms: A single Center experience</b><br>Bing Zhao, Ming Zhong, Wei Xu, Xian Xi Tan<br>Departments of Neurosurgery, the first affiliated hospital of Wenzhou medical college.  |
| <b>Free Paper X III Tumor 時間：11/4(日)13:30~15:00 地點：5F 之 1 宴會廳</b> |       |   |
| 時間  | 編號    | 座長：陸永建、劉敏英  |
| 13:30~13:40   | O-113 | <b>Endoscopic Transnasal approach with Intraoperative Navigation: a minimally invasive approach for removal of Orbital lesions</b><br>Shih-Chieh Shen, Wei-Chieh Chang, Chiung-Chyi Shen<br>Departments of Neurosurgery, Tainchung Veterans General Hospital, Taichung, Taiwan  |
| 13:40~13:50   | O-58  | <b>Malignant Astrocytoma of Optic Pathway in Children</b><br>Cheng-Chia Lee, M.D. <sup>1</sup> , Tai-Tong Wong, M.D. <sup>1,5</sup> , Muh-Lii Liang, M.D. <sup>1,5</sup> , Yi-Wei Chen, M.D. <sup>3,5</sup> , Kai-Ping Chang, M.D. <sup>2,5</sup> , Donald Ming-Tak Ho, M.D. <sup>4,5</sup> , Yang-Hsin Shih, M.D. <sup>1,5</sup> , Hsin-Hung Chen, M.D. <sup>1,5</sup><br><sup>1</sup> Department of Pediatric Neurosurgery, Department of Neurosurgery, Neurological Institute, Taipei Veterans General Hospital, Taiwan<br><sup>2</sup> Department of Pediatrics, Taipei Veterans General Hospital, Taiwan<br><sup>3</sup> Department of Cancer center, Taipei Veterans General Hospital, Taiwan<br><sup>4</sup> Department of Pathology, Taipei Veterans General Hospital, Taiwan<br><sup>5</sup> School of Medicine, National Yang-Ming University, Taipei, Taiwan |
| 13:50~14:00   | O-104 | <b>Lateral Supracerebellar Transtentorial Approach to Cisternal Trochlear Nerve Schwannoma</b><br>YW Cheng, M.D., Herb PY Chang, M.D., Chun-Fu Lin, M.D., Cheng-Chia Lee, M.D., Hsin-Hung Chen, M.D., Chih-Hsiang Liao, M.D.,<br>Shao-Ching Chen, M.D., Min-Hsiung Chen, M.D., Ph.D., Yang-Hsin Shih, M.D., Sanford P.C. Hsu, M.D.<br>Department of Neurosurgery, Neurological Institute, Taipei Veterans General Hospital, National Yang Ming University, Taipei, Taiwan   |

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| 14:00~14:10  | O-65  | Endoscopic-Assisted Microsurgery for Large Intraventricular Tumors – Preliminary Experience in 12 Consecutive Cases<br>Yu-Shu Yen, Jau-Ching Wu, Wen-Yuh Chung, Hong-Chi Pan, Yang-Hsin Shih<br>Department of Neurosurgery, Neurological Institute, Taipei Veterans General Hospital, and National Yang-Ming University, School of Medicine, Taipei, Taiwan                              |
| 14:10~14:20  | O-131 | <b>Spinal Arachnoiditis Occipital mimic with Intraspinial Tumor: Case Report</b><br>Chao-Hung Kuo, Chin-Chu Ko, Li-Yu Faye, Tsung-Hsi Tu, Jau-Ching Wu, Wen-Cheng Huang, Henrich Cheng, Yang-Hsin Shih<br>Department of Neurosurgery, Neurological Institute, Taipei Veterans General Hospital, Taipei, Taiwan   |
| <b>Free Paper X IV Vascular 時間：11/4(日)13:30~15:00 地點：5F 之 2 宴會廳</b>                    |       |  |
| 時間   | 編號    | 座長：郝解賀、葉宜憲   |
| 13:30~13:40  | O-68  | <b>后交通动脉动脉瘤瘤颈位置与分型</b><br>李良 段鸿洲 伊志强 张扬<br>北京大学第一医院神经外科  |
| 13:40~13:50  | O-5   | <b>多層螺旋 CT 血管成像對顱內微小動脈瘤的評價</b><br>楊運俊、付鳳麗、陳偉建<br>Department of Radiology, The First Affiliated Hospital of Wenzhou Medical College   |
| 13:50~14:00  | O-127 | <b>Clinical features, surgical treatment, and long-term outcome in adult patients with moyamoya disease in China</b><br>Lian Duan, MD, PhD; Xiang-Yang Bao, MM; De-Sheng Li, MD; Wei-Zhong Yang, BS; Wei-Jian Sun, MM; Zheng-Shan Zhang, MM; Cong Han, MM.<br>Department of Neurosurgery, 307 Hospital, PLA, The center for cerebral vascular disease, PLA, Beijing China                |
| 14:00~14:10  | O-4   | <b>Intraoperative DSA guided microsurgical management of spinal perimedullary arteriovenous fistula in hybrid operation room</b><br>Yi Liu M.D. Ph.D., Xu-dong Cao M.D., Zhong-xin Zhao M.D., Fei Qiao M.D., Peng Li M.D., Chao-hua Wang M.D., Chang-wei Zhang M.D., Xiao-dong Xie M.D., Chao You M.D.<br>Dept. Neurosurgery, West China Hospital, Sichuan University China              |
| 14:10~14:20  | O-128 | <b>Surgical treatment of pseudoaneurysms of the supraclinoid internal carotid artery</b><br>Jin Li*, M.D., Zhi-gang Lan M.D., Yi Liu, M.D., Min He, M.D., Chao You, M.D.<br>Department of Neurosurgery, West China Hospital, Sichuan University China  |
| 14:20~14:30  | O-8   | <b>The Proposal of a Clinical Research: Methylprednisolone for Encephaledema of Primary Hemorrhage: A Randomized Double-blind, Placebo-controlled Trial with Postoperative Patients</b><br>Xi Li <sup>1</sup> , MSc.; Junpeng Ma <sup>1</sup> , M.D.; Chao You <sup>1</sup> , M.D.<br><sup>1</sup> Department of Neurosurgery, West China Hospital of Sichuan University, Chengdu, China |
| 14:30~14:40  | O-94  | <b>高级别脑动静脉畸形的治疗经验</b><br>张永力 孙玉明 刘方军 石祥恩<br>北京三博脑科医院（首都医科大学第十一临床医学院）   |
| <b>Free Paper X V Trauma &amp; Neurointensive care 時間：11/4(日)13:30~15:00 地點：5F 常紅廳</b> |       |  |
| 時間   | 編號    | 座長：宋來君、李昆興   |
| 13:30~13:40  | O-108 | <b>CONTINUOUS INTRATHECAL SALINE INFUSION FOR REFRACTORY SPONTANEOUS INTRACRANIAL HYPOTENSION: A CASE REPORT</b><br>I-Han Hsiao <sup>1</sup> , Der-Yang Cho <sup>1</sup> , Hung-Lin Lin<br>I Department of Neurosurgery, China Medical University Hospital   |
| 13:40~13:50  | O-7   | <b>Freka 鼻胃管在神經重症患者腸內營養中的應用</b><br>吳孟航、王翔、劉帆、陳弟紅、陳茂君<br>四川大学华西医院神经 ICU   |
| 13:50~14:00  | O-55  | <b>Bilateral subdural hematomas caused by spontaneous intracranial hypotension—A case report and review of the literatures</b><br>Szu-Kai Hsu, Chih-Ta Huang, Ming-Yuan Chang, Foot-Juh Lian, Chih-Ju Chang, Jing-shan Huang, Cheng-Ta Hsieh<br>Division of Neurosurgery, Department of Surgery, Cathay General Hospital, Taipei, Taiwan, Republic of China                              |
| 14:00~14:10  | O-109 | <b>INTRATHECAL NORMAL SALINE CONTINUAL INFUSION IN THE TREATMENT OF REFRACTORY SPONTANEOUS INTRACRANIAL HYPOTENSION</b><br>I-Han Hsiao <sup>1</sup> , Der-Yang Cho <sup>1</sup> , Hung-Lin Lin <sup>1</sup><br>I Department of Neurosurgery, China Medical University Hospital   |
| 14:10~14:20  | O-86  | <b>Acute Clinical Deterioration of Posterior Fossa Epidural Hematoma: Clinical Features, Risk Factors and Outcome</b><br>Chien-Yu Ou, Ching-Hsiao Cheng, Tsung-Ming Su<br>Department of Neurosurgery, Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan  |
| 14:20~14:30  | O-125 | <b>Exposure of titanium mesh plate after cranioplastic surgery</b><br>Zhuoying Du, Yi Jin, Yirui Sun, Xing Wu, Xuehai Wu, Liang Gao, Jin Hu<br>Neurosurgical Emergency Center, Department of Neurosurgery, Huashan Hospital of Fudan University  |
| 14:30~14:40  | O-61  | <b>Factor VII concentration in patients with isolated blunt traumatic brain injury: relation to coagulopathy and progressive hemorrhagic injury</b><br>Jin Hu, MD, Xing Wu, MD, Yirui Sun, MD, Liang Gao, MD, Xuehai Wu, MD, Jianhong Zhu, MD, and Liangfu Zhou, MD<br>Department of Neurosurgery, Huashan Hospital, Fudan University  |
| <b>Free Paper X VI Tumor 時間：11/4(日)15:40~16:30 地點：5F 之 1 宴會廳</b>                       |       |  |
| 時間   | 編號    | 座長：趙剛、王哲川  |

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| 15:40~15:50  | O-13  | <b>Expression of FABP5 and CRABP II in craniopharyngioma and inhibition of craniopharyngioma cells by retinoic acid</b><br><i>Qiang Li, M.D.; Liangxue Zhou, M.D.; Xiutian Sima, M.D.; Zhiyong Liu, M.D.; Hao Liu, M.D.; Jianguo Xu, M.D.; Chao You, M.D.</i><br>Department of Neurosurgery, West China Hospital of Sichuan University, Chengdu, China  |
| 14:50~16:00  | O-21  | <b>Highly invasive glioma stem cells induce host cells canceration during tumor tissue remodeling</b><br>Jun Dong, Qiang Huang<br>Department of Neurosurgery, 2 <sup>nd</sup> Affiliated hospital of Suzhou University, China   |
| <b>Free Paper X VII Vascular 時間：11/4(日)15:40~16:30 地點：5F之2宴會廳</b>                        |       |   |
| 時間   | 編號    | 座長：楊玉山、謝文郁  |
| 15:40~15:50  | O-116 | <b>Microsurgical Treatment of Hypertensive Brainstem Hemorrhage: Report of 46 cases</b><br>Zhi Gang Lang, M.D.; Hao Li, M.D.; Lu Ma, M.D.; Yi Liu, M.D.; Chao You, M.D.<br>Department of Neurosurgery, West China Hospital of Sichuan University, Chengdu, China  |
| 14:50~16:00  | O-9   | <b>頸內動脈血泡樣動脈瘤的顯微外科治療</b><br>孙鸿、游潮、毛伯镛、贺民、李浩、刘翼<br>四川大学华西医院神经外科  |
| 16:00~16:10  | O-107 | <b>A Unique case of Primary CNS Vasculitis with Diffuse and Shifting Multiple Brain Nodules</b><br>Paul Jer Chen M.D., Ph.D.1, Hung-Lin Lin1<br>1Department of Neurosurgery, China Medical University Hospital, Taichung, Taiwan  |
| 16:10~16:20  | O-52  | <b>Intrasellar cavernous hemangioma : five cases report and literature review</b><br><i>Li Deling, Ren Tong, Yu Shuqing, Wang Shuo, Wang Jisheng*</i><br>Dept. Neurosurgery, Beijing Tiantan Hospital, Capital Medical University, China  |
| <b>Free Paper X VIII Trauma &amp; Neurointensive care 時間：11/4(日)15:40~16:30 地點：5F常紅廳</b> |       |   |
| 時間   | 編號    | 座長：林志俊、張志儒  |
| 15:40~15:50  | O-20  | <b>Administration of COG1410 Reduces Axonal Amyloid Precursor Protein Immunoreactivity and Microglial Activation after Controlled Cortical Impact in Mice</b><br>Yong Jiang <sup>1</sup> , Li-gang Chen <sup>1</sup> and David L. Brody <sup>2</sup><br><sup>1</sup> Department of Neurosurgery, the Affiliated Hospital of Luzhou Medical College, Luzhou 646000, P.R. China.<br><sup>2</sup> Department of Neurology Washington University School of Medicine, St Louis, Missouri.  |
| 14:50~16:00  | O-17  | <b>Population-Based Study on Patients with Traumatic Brain Injury Suggests Increased Risk of Dementia</b><br>Hao-Kuang Wang <sup>1,2</sup> , Sheng-Hsiang Lin <sup>1</sup> , Pi-Shan Sung <sup>3</sup> , Ming-Hsiu Wu <sup>1,4</sup> , Kuo-Wei Hung <sup>1,5</sup> , Liang-Chao Wang <sup>1,6</sup> , Chih-Yuan Huang <sup>1,6</sup> , Kang Lu <sup>2</sup> , Han-Jung Chen <sup>2</sup> and Kuen-Jer Tsai <sup>1</sup><br><sup>1</sup> Institute of Clinical Medicine, National Cheng Kung University, Tainan, Taiwan<br><sup>2</sup> Department of Neurosurgery, E-Da Hospital, I-Shou University, Kaohsiung, Taiwan<br><sup>3</sup> Department of Neurology, National Cheng Kung University Hospital, Tainan, Taiwan<br><sup>4</sup> Department of Neurology, Chi Mei Medical Center, Liouying, Tainan, Taiwan<br><sup>5</sup> Department of Neurology, Yuan's General Hospital, Kaohsiung, Taiwan<br><sup>6</sup> Neurosurgical Service, Department of Surgery, National Cheng Kung University Hospital, Tainan, Taiwan |
| 16:00~16:10  | O-95  | <b>The stages of growing skull fracture and treatment strategy</b><br>Liu Xue-song, MD · You Chao, MD, PhD · Ma Lu, MD, PhD · Liu Jia-gang, MD<br>Department of Neurosurgery, West China Hospital of Sichuan University Chengdu, Sichuan Province, P.R. China   |