2024 台灣神經創傷暨重症學會暨第二屆 NECC 國際研討會

時間：113 年 9 月 7 日(星期六)08:00-21:00

地點：台北福華大飯店(台北市大安區仁愛路三段 160 號)

主辦單位：台灣神經創傷暨重症學會、台灣中青年神經外科醫學會、國泰綜合醫院

Time	Topic	Speaker	Moderator
08:00-08:30	Registration		
08:30-08:40	Opening Remarks	蔡承嘉理事長（台灣神經創傷暨重症學會） 沈炯祺理事長（台灣神經外科醫學會） 高明見教授 謝政達大會會長（國泰綜合醫院）	
08:40-09:20	TBD	楊志豪教授 北醫藥理所	王家儀教授（北醫） 莊健盈教授（北醫）
09:20-10:00	Investigating the therapeutic effect of plasma transfusion on traumatic brain injury in mice	黃國正教授 長庚大學生物醫學所	謝宗勳教授（長庚）
10:00-10:20	Coffee Break		
10:20-11:00	The Role of Neurosurgeon in Disasters	Prof. Shoji Yokobori Nippon Medical School, Tokyo, Japan	李旭東總院長 李綜合醫療社團法人
11:00-11:40	How to Establish a Neurocritical Care Unit	Prof. Kiwon Lee Chief of Neurology Services, Director of Comprehensive Stroke Center and Neuro IntensiveCare Unit, Robert Wood Johnson Medical School, NewJersey, USA	蔡承嘉校長 馬偕醫護管理專科學校
11:40-12:00	會員大會/合照	林新曜秘書長	
12:00-12:40	Lunch Seminar		
13:00-13:30	Review of Nanotechnology in TBI	林新曜醫師 馬偕紀念醫院	劉倬昊主任 林口長庚紀念醫院
13:30-14:00	Biohybrid brain computer interface	余奕霖醫師 三軍總醫院	林新曜醫師 馬偕紀念醫院
14:00-14:30	The advance of spinal cord stimulation	蔡昇宗主任 花蓮慈濟醫院	陳武福院長 高雄長庚醫院
14:30-15:00	The reconstrunction of nerve circuit (Bypass surgery)	孫瑞明部長 嘉義基督教醫院	蔡明成主任 新光紀念醫院
15:00-15:20	Coffee Break/理監事會議		
15:20-15:50	Role of music therapy in traumatic brain injury	陳冠璉老師 國立臺灣戲曲學院	孫瑞明部長 嘉義基督教醫院
15:50-16:20	The role of EC-IC bypass in neurocritical care	陳春忠主任 中國附醫	王國川主任 臺大醫院

16:20-16:50	Quantitative Analysis of Brain Swelling Resolution With Regard to Cranioplasty After Decompressive Craniectomy	吳祐穎醫師 義大醫院	王浩洸部長 義大醫院
16:50-17:20	Micronutrients use in critical care	韓吟宜主任 臺大醫院	廖國興主任 萬芳醫院
17:20-17:30	Closing Remarks	蔡承嘉理事長 謝政達大會會長	
18:30-21:00	Farewell Party		

2nd Neuro-Emergencies and Critical Care (NECC) International Symposium, Taipei City, Taiwan

Date: 7th Sept., 2024
Venue: The Howard Plaza Hotel Taipei
Language Medium : English/Mandarin

7th May , 2024 (Saturday)			
Time	Topic	Speaker	Moderator
08:00-08:40	Registration		
08:40-09:00	Opening remarks ▪ Prof. Shoji Yokobori (Nippon Medical School, Tokyo, Japan) ▪ Prof. Kiwon Lee (Robert Wood Johnson Medical School, NewJersey, USA) ▪ Prof. Dueng-Yuan Hueng (President, Taiwan Society for Middle Youth Neurosurgery) ▪ Prof. Cheng-Chia Tsai (President, Taiwan Neurotrauma and Critical Care Society)		
09:00-10:50	**Session 1 : Hot topics in Neuro-emergencies and neurocritical care**		
09:00-09:30	Neurocritical care in TBI	Prof. Kiwon Lee	Prof. Chiung-Chyi Shen
09:30-10:00	Advances use of the Pupillometry in NICU	Prof. Daiwai Olson	Prof. Cheng-Chia Tsai
10:00-10:30	Updates in the EVT for stroke	Dr. JoAnn RSoliven	Prof. Dueng-Yuan Hueng
10:30-10:50	Plenary discussion		
10:50-11:00	Coffee Break		
Session 2 : AI and the big data in critical care / neuroimaging			
11:00-12:50	Session moderator :		
11:00-11:30	AI use in stroke detection	Dr. Kai-Cheng Hsu	Prof. Cheng-Ta Hsieh
11:30-12:00	Achieve brain homeostasis – role of the NICU parameters	Dr. Sui-Sum Kung	Prof. Jui-Ming Sun
12:00-12:20	Plenary discussion		
12:20-13:00	Lunch seminar: Monitoring Pressure and Oxygen - Can it help your patients with acute brain injury ?	Dr. Sui-Sum Kung	Prof. Cheng-Chia Tsai
Session 3 : TTM in the neurocritical care			
13:00-14:50	Session moderator :		
13:00-13:30	Temperature management in neurocritical patient with acute stroke	Prof. Kiwon Lee	Prof. Hao-Kuang Wang
13:30-14:00	TTM in the poor grade aSAH	Prof. Hitoshi Kobata	Prof. Pin-Yuan Chen
14:00-14:30	TTM for the TBI	Prof. Shoji Yokobori	Dr. Sui-Sum Kung
14:30-14:50	Plenary discussion		
14:50-15:10	Coffee Break		
Session 4 : Challenges your mentor			
15:10-17:10	Session moderator : Prof. Kiwon Lee	Prof. Shoji Yokobori	
15:10-15:25	Case 1 : (Japan)	Presented by Dr. Kazuma Sasaki	
15:25-15:50	Challenges time		
15:50-16:05	Case 2 : (Philippines)	Presented by Dr. Marvic Amoranto	
16:05-16:30	Challenges time		
16:30-16:45	Case 3 : (Taiwan)	Presented by by Dr. Kun-Ting Hong	
16:45-17:10	Challenges time		
17:10-17:30	Closing Ceremony		

CURRICULUM VITAE

姓 名: 黃國正

現 職: 長庚大學 生物醫學系

電子信箱 E-mail: gjh30@mail.cgu.edu.tw

學 歷

Ph.D., Department of Physiology, Development and Neuroscience, University of Cambridge, UK, 2005

M.S., Department of Physiology, National Yang-Ming University, Taiwan, 1998

B.S., Department of Psychology, National Taiwan University, Taiwan, 1996

經 歷

Professor, Chang Gung University, Taiwan (2021-)

Associate Professor, Chang Gung University, Taiwan (2016-2021)

Assistant Professor, Chang Gung University, Taiwan (2011-2016)

Post-doc, Wellcome Trust Centre for Human Genetics, University of Oxford, UK (2006-2011)

著　作

Chen YJ, Deng SM, Chen HW, Tsao CH, Chen WT, Cheng SJ, Huang HS, Tan BC, Matzuk MM, Flint J, Huang GJ*. Follistatin mediates learning and synaptic plasticity via regulation of Asic4 expression in the hippocampus. ***Proceedings of the National Academy of Sciences of the United States of America*** 2021 Sep 28;118(39):e2109040118.

Eu WZ, Chen YJ, Chen WT, Wu KU, Tsai CY, Cheng SJ, Carter R, Huang GJ*. The effect of nerve growth factor on supporting spatial memory depends upon hippocampal cholinergic innervations ***Translational Psychiatry*** 2021 Mar 15;11(1):162

Chang S, Bok P, Tsai CY, Sun CP, Liu H, Deussing JM, Huang GJ*. NPTX2 is a key component in the regulation of anxiety. ***Neuropsychopharmacology*** 2018 Aug;43(9):1943-1953

Chang S, Bok P, Sun CP, Edwards A, Huang GJ*. Neuropsin inactivation has protective effects against depressive-like behaviours and memory impairment induced by chronic stress. ***PLoS Genetics*** 2016 Oct 4; 12(10): e1006356

Tsai CY, Tsai CY, Arnold S, Huang GJ*. Ablation of hippocampal neurogenesis in mice impairs the response to stress during the dark cycle. ***Nature Communications*** 2015 Sep 29;6:8373.

題目：Investigating the therapeutic effect of plasma transfusion on traumatic brain injury in mice

摘要:

Traumatic brain injury (TBI) has made a serious health issue worldwide for its high morbidity and mortality. However, despite one of the most important organs in the body, brain injury is often irreversible and so far there is no effective clinical treatments for TBI. In the recent years, scientists have reported the potential of plasma transfusion in treating damaged brains, which altered adult neurogenesis, improved cognitive abilities, and alleviated cell death. Therefore, we are motivated to explore the potential of plasma transfusion for the recovery of TBI. We have completed the following three parts in our preliminary investigation: (1) First, we have established a reproducible mouse model of TBI and the behavioral tests to assess the sensorimotor skills. (2) In order to test whether plasma transfusion has a therapeutic effect on TBI, TBI mice were divided into saline control group and plasma transfusion group. The results showed that the mice given plasma transfusion exhibited better performance in sensory and motor behavior than the control group. (3) To test whether the source of infused plasma plays an important factor, we divided the TBI mice into four groups, which received normal saline, plasma of brain-injured mice, plasma of young mice, and plasma of aged mice, respectively. The results showed that mice given young plasma

transfusion had better sensorimotor skills compared to any other groups, indicating better therapeutic effects exerted by young plasma.