

出國報告(出國類別：開會)

第七屆亞洲大洋洲神經暨頭頸部
放射線會議

The 7th Asian Oceanian Congress of
Neuro-Radiology (AOCNR)

服務機關：國防醫學院三軍總醫院

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出國時間：98年7月8日至7月12日

摘要

亞洲大洋洲神經暨頭頸部放射線會議自西元 1993 年由日本 Takahashi 教授召集創立並於日本熊本舉行第一次國際會議以來，每三年舉辦一次，分別在第二屆在台北，第三屆在澳洲阿得雷得，乃至上一屆在新加坡舉行。本人每一屆均有參加並有論文發表，尤其在第二屆台北舉辦時得過優秀論文獎。由於自上屆起，各會員國國家代表會議決議以後每隔兩年舉辦一次，所以今年在印尼峇里島舉行第一次的兩年一度會議。本人為中華民國國家代表，也參加了這一屆的代表會議，會中決議下一次醫學會議將由泰國於 2011 年舉辦。

本次在峇里島舉行的醫學會議以神經放射診斷(neuroradiology)，頭頸放射診斷(head and neck radiology)與神經介入治療(interventional neuroradiology)為主，會中探討腦瘤的最新國際分級，腦瘤的外科醫師觀點，腦瘤影像診斷，與功能性腦瘤影像。會議形式採五種，包括大會演講(plenary lecture)邀請世界級的名師與會（包含 Anne Osborn, Ric Harnsberger 等教授），研討會專題演講(symposium)，本人即受邀在第一天演講有關小兒神經影像的最新進展(Recent advances in pediatric neuroimaging: from in utero to late childhood)，午餐演講(lunch symposium)由廠商贊助的教授演講最新顯影劑的運用，口頭論文發表(oral presentation of scientific paper)，最後一項是壁報展覽(scientific posters)。其中口頭論文發表與壁報展覽加入評比，本人為三位評比裁判教授之一。會議期間由 7 月 9 日至 11 日。本人於 7 月 8 日搭長榮班機直飛峇里島，並於會議結束後第二天搭機返國。

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目的

亞洲大洋洲神經暨頭頸部放射線會議自上屆請由會員國國家代表會議決議以後每隔兩年舉辦一次，今年在印尼峇里島舉行第一次的兩年一度會議。本人為中華民國國家代表 (national delegate)，受邀在會議中發表研討會專題演講，題目為小兒神經影像的最新進展 (Recent advances in pediatric neuroimaging: from in utero to late childhood)。

過程

本人於 7 月 8 日搭乘長榮班機由桃園國際機場直達印尼峇里島國際機場，由大會派遣專屬車輛與司機接機，直接去會場 Kartika Plaza Bali Discovery Hotel 準備隔日演講。本屆會場設於五星級飯店，有專屬開會大會議廳，可以容納 500 人以上，同時各種設備健全。大會與 7 月 9 日早上 8 點 15 分開始歡迎致詞，由主辦單位印尼 Benny Huwae 教授致詞，然後開始第一階段的大會演講(plenary lecture)，這一階段的演講均稱為 Takahashi lecture，以紀念 Takahashi 教授創立本國際會議。前面報告過，本次會議以神經放射診斷 (neuroradiology)，頭頸放射診斷(head and neck radiology)與神經介入治療 (interventional neuroradiology)為主，會中探討腦瘤的最新國際分級，腦瘤的外科醫師觀點，腦瘤影像診斷，與功能性腦瘤影像，所以第一個演講由全世界知名來自猶它州鹽湖城的 Anne Osborn 專題報告腦瘤的最新世界衛生組織新版病理分級，其中新增了 10 個新定義的腦瘤與三個次分級腦瘤。有關新腦瘤的定義除了病理顯微鏡的觀察外，還包括基因變異，臨床表現等，例如 RGNT(Rossette forming glioneuronal tumor，雖然影像上看似比較惡性的 ependymoma (固態不規則顯影與鈣化)，卻是 WHO 分級第一級腦瘤 (良性，預後最好)，而 PPTID(Pineal parenchymal tumor of intermediate differentiation) 雖然影像上看起來像良性的 pineocytoma 卻是 WHO 分級第二到第三級，所以預後顯然比較差，在影像鑑別診斷上一定要注意加入這些新的診斷與觀念。例外在過去大家習以為常的小兒良性腦瘤 juvenile pilocytic astrocytoma 事實上有新的次級分類，叫做 pilomyxoid astrocytoma 這一類形的腦瘤與原來良性 WHO grade 1 腦瘤有相當的不同，不但影像上有一些不同的發現 (包括出血) 而且預後變差(WHO grade 2-3)。第一天除了重點在腦瘤，影像與臨床觀點外，另一個主題為頭頸部影像報告，主要新加坡來的 Vincent Chong 教授 (另一位國際知名的頭頸部教授也是猶它州鹽湖城的 Ric Harnsberger 將在第二天展開專題演講) 探討中央顱骨部位的影像解剖與常見疾病(Anatomic approach to central skull base lesions)，內容精闢有臨床實用價值。

第一天下午三點半起為研討會演講(symposium)，座長為 Fahan Anwary 教授，為來自主辦國印尼的放射科專家，本人為第一個演講的專家，演講題目為最近小兒腦神經影像的進展：

從胎兒到青少年在發育中的幼兒大腦與成人的大腦不同；我的演講內容含蓋胎兒的大腦溝形成（約於受孕後第 14 週開始），與出生後約 1 歲時始達成人的規模的影像概念；至於大腦白質的發育的探討，則討論受孕後第 6 個月開始白質進行髓鞘化，一直到出生後兩歲才到達成成人階段。幼兒前兩歲的中樞神經系統異常，可源於腦發育不正常，或是正在發育的不成熟腦較易受到內在或外來的傷害。較大的孩童由於受到外來的環境壓力的影響，某些先天或代謝疾病症狀開始出現。其他疾病包括腦瘤與感染在幼兒的發生率與臨床表現也與成人不太一樣。進階的腦造影術對於嬰幼兒疾病的早期診斷極其重要，本次本人演講針對以下研究主題作探討：

1. 胎兒磁共振造影使用 TrueFISP (FIESTA) snapshot 波序
2. 早產兒與足月產嬰兒之缺血性腦病變：使用高解析超音波與磁共振造影對照
3. 超快速 Fast STIR T2 評估腦白質髓鞘化.
4. 使用 STIR 磁共振造影, 磁共振頻譜 and 3D 磁共振體積測量評估嬰兒熱痙攣海馬萎縮之關連
5. 小兒腦瘤使用功能磁共振造影與磁張量腦路徑影像
6. 對 Moyamoya disease 使用 acetazolamine 測試腦灌注與血管擴張反應之磁共振功能影像
7. 先天大腦代謝疾病之新造影評估

現場幾乎坐滿來自亞洲與大洋洲的專家學者與放射診斷醫師，對本人的演講內容甚為稱道，直到第二天晚上大會晚宴仍有一些我不認識的外國醫師見到我稱讚演講方式與內容讓他們映象深刻，這讓我想起我用同樣的內容在上海演講時，上海放射線醫學會理事長直接跟我說大陸的放射科影像研究與台灣仍有若干的差距，我覺得這幾年在腦功能上的影像研究有了回饋。

第二天主題由國際知名的頭頸部教授也是猶它州鹽湖城的 Ric Harnsberger 領軍，主講傳導性聽覺障礙的影像發現(contemporary imaging issues in conductive hearing loss) 與成人的傳導性聽覺障礙 (contemporary imaging issues in conductive hearing loss in adult population) 演講中精闢的報告如何從高解析 CT 的影像診察外耳道與中耳結構的異常並與聽力損失的關係作分析比較，其中值得注意的是先天性耳傳導障礙常常在 CT 上有很微小卻極為重要的發現，這些異常往往在第一次 CT reading 時看不到，Ric 鼓勵大家（包含他自己）在第一次找不到病灶時，先讀別的 CT 病例，然後再回頭再看一次該病例，這樣 diagnostic yield 會比較高，另外一點，在成人的耳硬化(otosclerosis)早期，CT 事實上可以在 fissula antefenestram 也就是圓窗口上觀察到骨質早期疏鬆。其他有關感染（例如 Ramsy-Hunt syndrome）Hansberger 也有若干著墨，不過這些知識大家都已經知道。

第二天另一個重要的議題就是海報論文評分，本人為三位主要評審之一，共評審 41 篇論文。由於在出國前，大會已經將論文摘要寄給我先預評，所以在實際作業上，是在中午用餐時間，評審與海報作者討論論文內容，並就論文問體答辯。此次參加評選論文以來自新加坡國立醫院的一篇有關大陸製違法藥物（用以提高性能力）注射內含 glibenclamide 這種降血糖藥，這個報導報告過去兩年有幾十個病人在注射上述藥物時發生低血糖腦病變，產生磁共振擴散影像可以早期偵出的腦中風，尤其這種系統低血糖產生的腦中風並非如想像中如休克般的產生對稱性腦中風病變，同時腦氫質子頻譜顯示 NAA 降低但是沒有乳糖堆積，顯示缺血糖為腦病變的基本原因，主要作者為了想瞭解藥物來源，還打電話到廣州與新疆，發現藥罐上的製造商根本不存在。由於論文有趣有充滿故事性，我給了最高分，單然新加坡也得了冠軍。

至於第二名作者為台北榮總鄧木火主任的一篇使用 CT 腦灌注影像評估頸動脈狹窄經過支架手術後產生過度灌注症候群的研究，鄧教授使用最新的 CT 灌注方法發現如果術前腦灌注降低已經達到某個程度，術後產生灌注過度的機會就會增加，甚至會造成出血。

第三天的議程神經介入治療(interventional neuroradiology)為主，由新加坡 Francis Hui 教授當座長，Francis Hui 為著名介入專家對於急性中風腦血管堵塞的溶栓治療有獨到之處，此次專題演講的題目為 Mechanical thrombectomy in acute ischemic stroke，Hui 教授呼籲除了使用靜脈注射 rtPA 等溶栓藥物外，局部吸取血管內血塊在有經驗的處理狀態下，也可以有效的處理急性中風。另外台北榮總鄧木火教授也報告有關 CC fistula 的直接堵塞方法，鄧教授在 CC fistula 的堵塞獨步全球，為台灣之光。台大教授廖漢文也在本次研討會中報告動靜脈畸形的介入性治療方法，值得大家參考。

本次會議在第三天下午一點三十分圓滿結束，本人於會議結束第二天早上束裝返國。

心得及建議

此次印尼主辦國際性會議，在硬體上尚可，但是在會議主辦國的醫學研究規模與水準上，均顯示落後很多，普遍的現象是主辦國提不出知名或是傑出的演講者或是座長，所以冷場時段常常是印尼的演講者。為了支持論文投稿，印尼放射線醫學會動員了許多醫院投文章，但是文章往往是病例報告，而非研究論文。這些觀察都給台灣很好的借鏡，台灣人口不及印尼六分之一，土地面積更是狹小，但是在神經放射研究水準超過印尼很多。這次大會韓國與日本主要學者參與的不多，顯示在比較落後的國家舉辦研討會有這樣的缺點，就是節目辦的不出色。明年將由台灣舉辦兩年一次的亞洋放射線醫學會（有別於神經頭頸放射線醫學會），這一方面台灣已經有了充足的準備，可以好好發揮。

中樞神經系統腫瘤自 2007 年起有了一些分類上的變化，同時在級別上也有新的概念，這一次的國際會議讓我們瞭解腦瘤在最新的病理分類，影像發現，腦功能影像的幫忙與神經外科對影像的期許等，對未來三軍總醫院的腫瘤影像發展有正面影響。

附件

1. 第七屆亞洲大洋洲神經暨頭頸部放射線會議議程
2. 出席證明
3. 擔任論文評審
4. 擔任演講學者證明



INDONESIAN SOCIETY OF NEURO-RADIOLOGY

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7th

ASIAN OCEANIAN CONGRESS OF
NEURO-RADIOLOGY (AOCNR)

DISCOVERY
KARTIKA
PLAZA
BALI - INDONESIA
09 - 11 July 2009

PROCEEDING
BOOK





7th

ASIAN OCEANIAN CONGRESS OF
NEURO-RADIOLOGY (AOCNR)



PROGRAM BOOK



DISCOVERY KARTIKA PLAZA

09 – 11 July 2009

BALI - INDONESIA

SCIENTIFIC PROGRAM 7TH AOCNR
KHARISMA BALLROOM, DISCOVERY KARTIKA PLAZA BALI
THURSDAY, 09 JULY 2009

TIME	SCIENTIFIC PROGRAM	
08.15 - 08.25	Welcome Address 1 - Chairman of 7th AOCNR -	Benny Huwae (Indonesia)
08.25 - 08.35	Welcome Address 2 - President Of AOSNR -	Francis Hui (Singapore)
08.35 - 08.45	Keynote Speech: AOSNR and Takahashi Foundation -	Mutsumasa Takahashi (Japan)
08.45 - 09.15	OPENING EXHIBITION AND COFFEE BREAK Chairperson: Chang Kee-Hyun (Korea)	
09.15 - 09.55	Takahashi Lecture 1: An Update On The New WHO Brain Tumor Classification: An Overview	Anne Osborn (USA)
09.55 - 10.35	Takahashi Lecture 2: Understanding Astrocytomas and Nonastrocytic Gliomas	Anne Osborn (USA)
10.35 - 11.15	Plenary Lecture 1: CT And MRI In CNS Parasitic Diseases	Chang Kee - Hyun (Korea)
LUNCH SYMPOSIUM Supported by Bayer Schering Pharma Chairperson: Anggraini Dwi Sensusiaty (Indonesia)		
11.15 - 11.35	1. Current Application and Added Value of Gadobutrol in MR Imaging Study	Ho Sung Kim (Korea)
11.35 - 11.55	2. Brain Tumors and Lesions Mimic Tumor	Sri Andreani Utomo (Indonesia)
11.55 - 12.10	Q and A	
12.10 - 13.00	LUNCH	
13.00 - 13.40	Chairperson: Vincent Chong (Singapore) Plenary Lecture 2: Global Anatomy of the Extracranial Head & Neck H. Ric Harnsberger (USA)	
13.40 - 14.20	Plenary Lecture 3: Anatomic Approach to Central Skull Base Lesions	Vincent Chong (Singapore)
14.20 - 15.00	Plenary Lecture 4: Research: Why The Blood Brain Barrier	Michael Sage (Australia)
15.00 - 15.30	COFFEE BREAK SYMPOSIUM 1 NEURORADIOLOGY Chairperson: Farhan Anwary (Indonesia)	
15.30 - 15.50	1. Recent Advances In Neuroimaging: From In Utero To Later Childhood	Sandy, Cheng-Yu Chen (Taiwan)
15.50 - 16.10	2. MR Imaging In Epilepsy With Pathologically Proved Lesions	Nitaya Suwanwela (Thailand)
16.10 - 16.30	3. Percutaneous Vertebroplasty	Michael Mu-Huo Teng (Taiwan)
16.30 - 16.50	4. What The Neuro Surgeon Want To Know And Pitfalls Of Neuroimaging	Padmosantjaya (Indonesia)
16.50 - 17.10	5. Neurovascular Diseases: Which One(s) Should Be Treated?	Sirintara Pongpech Sinhara Na Ayudya (Thailand)
17.10 - 17.30	6. Interventional In Spinal Vascular Malformations	P. Henry Adapon (Philippines)
17.30 - 17.40	Q and A	



SCIENTIFIC PROGRAM 7TH AOCNR
 KHARISMA BALLROOM, DISCOVERY KARTIKA PLAZA BALI
 FRIDAY, 10 JULY 2009

TIME	SCIENTIFIC PROGRAM	
08.00 - 08.40	Chairperson: Michael Mu-Huo Teng (Taiwan) Takahashi Lecture 3: The Cranial Venous System: Anatomy, Pathology and Imaging	Anne Osborn (USA)
08.40 - 09.20	Takahashi Lecture 4: Meningiomas and Related Neoplasm	Anne Osborn (USA)
09.20 - 09.40	COFFEE BREAK	
09.40 - 10.20	Plenary Lecture 5: Contemporary Imaging Issues in Conductive Hearing Loss	H. Ric Harnsberger (USA)
10.20 - 11.00	Plenary Lecture 6: Contemporary Imaging Issues in Sensorineural Hearing Loss in Adult Population	H. Ric Harnsberger (USA)
11.00 - 13.10	FRIDAY PRAY AND LUNCH	
	SYMPOSIUM 2 HEAD AND NECK RADIOLOGY	Chairperson: M. Danun (Indonesia)
13.10 - 13.30	1. Imaging The Parapharynx	Vincent Chong (Singapore)
13.30 - 13.50	2. Delayed Vascular Traumatic Lesions and Vascular Aneurysms	Suthisak Suthipoongchai (Thailand)
13.50 - 14.10	3. Trigeminal Neuralgia	Anggraini Dwi Sensusiaty (Indonesia)
14.10 - 14.30	4. The Etiology, Diagnosis And Treatment Of Vasospasm	Benjamin Adapon (Philippines)
14.30 - 14.40	Q and A	
14.40 - 15.10	COFFEE BREAK	
	SYMPOSIUM 3 NEURORADIOLOGY (TUMOR)	Chairperson: Sri Andreani Utomo (Indonesia)
15.10 - 15.30	1. Intracranial Tumors: What A Surgeon Wants To Know?	Djoni Wahyuhadi (Indonesia)
15.30 - 15.50	2. Advanced Diagnostic Imaging In Intracranial Tumors	Sri Andreani Utomo (Indonesia)
15.50 - 16.10	3. Diffusion Weighted And Diffusion Tensors Imaging Applications In Brain Tumors	Tchoyoson Lim (Singapore)
16.10 - 16.30	4. The Role Of Radiation Therapy In Intracranial Tumors	Dyah Erawati (Indonesia)
16.30 - 16.50	5. Endovascular Treatment In Intracranial Tumors	Pridjo Sidipratomo (Indonesia)
16.50 - 17.00	Q and A	
19.00 - 22.00	CONGRESS DINNER Poolside Discovery Kartika Plaza Bali Indonesia	



SCIENTIFIC PROGRAM 7TH AOCNR
 KHARISMA BALLROOM, DISCOVERY KARTIKA PLAZA BALI
 SATURDAY, 11 JULY 2009

TIME	SCIENTIFIC PROGRAM
	SYMPOSIUM 4
	NEURORADIOLOGY (VASCULAR)
	Chairperson: Francis Hui (Singapore)
08.00 - 08.15	1. The Role Of CT Perfusion (CTP) In Stroke Imaging Samuel Ng (Singapore)
08.15 - 08.30	2. Mechanical Thrombectomy in Acute Ischaemic Stroke Francis Hui (Singapore)
08.30 - 08.45	3. 3D CT Planning In Intracranial Aneurysm Tan Siau Koan (Indonesia)
08.45 - 09.00	4. The Role Of 3D CT Angiography For Planning Cerebral Aneurysm Surgery - Bandung Experience Setyo Widi Nugroho (Indonesia)
09.00 - 09.15	5. Diagnosis And Treatment Of Dural Arteriovenous Fistulae Hon-Man Liu (Taiwan)
09.15 - 09.30	6. Surgical Approach in Intracranial Vascular Lesions Abdul Hafid Bajamal (Indonesia)
09.30 - 09.45	7. Endovascular Therapy In Stroke Patient Cindy Sadikin (Indonesia)
09.45 - 10.00	8. Direct Puncture For Treatment Of CCF And Dural AVF Of The Cavernous Sinus Michael Mu-Huo Teng (Taiwan)
10.00 - 10.15	Q and A
10.15 - 10.30	COFFEE BREAK
	Chairperson: Benjamin Adapon (Philippines)
10.30 - 11.10	Plenary Lecture 7: The Posterior Skull Base H. Ric Harnsberger (USA)
11.10 - 11.50	Plenary Lecture 8: The Orbits In Cancer Imaging Vincent Chong (Singapore)
11.50 - 12.30	Plenary Lecture 9: Head & Neck Cancers: Post Radiation Therapy Changes Vincent Chong (Singapore)
12.30 - 13.10	Takashi Lecture 5: The Many Faces of CNS Metastatic Diseases Anne Osborn (USA)
13.10 - 13.20	CLOSING REMARK



FRCP Fellowship of the Royal College of Physicians of Edinburgh, 1982
 MD Doctor of Medicine, University of Adelaide, 1983
 FRCP Fellowship of the Royal College of Physicians of London, 1996

Latest Positions Held

- Emeritus Professor, Department of Medical Imaging Flinders University of South Australia Bedford Park, South Australia
- Director, Division of Medical Imaging Flinders Medical Centre Bedford Park, South Australia
- Senior Visiting Specialist, Division of Medical Imaging, Flinders Medical Centre, Adelaide, South Australia
- Chairman, Division of Radiology, Repatriation General Hospital, Adelaide, South Australia

SPEAKER/MODERATOR CURICULUM VITAE

Speaker Full Name & Title

Nitaya Suwanwela, MD

Educational Qualifications

- M.D. (Honor) 1963, Chulalongkorn Hospital Medical School, University of Medical Sciences Bangkok, Thailand
- RADIOLOGY RESIDENCY 1964-1966, Chulalongkorn Hospital Medical School, Bangkok, Thailand
- NEURORADIOLOGY FELLOWSHIP 1970-1971, The Bowman Gray School of Medicine, Wake Forest University Winston-salem, NC, USA

Latest Positions Held

Professor of Radiology, Faculty of Medicine Chulalongkorn University Bangkok, Thailand

SPEAKER/MODERATOR CURICULUM VITAE

Speaker Full Name & Title

P. Henry Adapon, M.D

Educational Qualifications

- 1983 - 1985 College of Medicine University of the Philippines INTARMED PROGRAM Manila, Philippines
- 1988 - 1990 College of Medicine Far Eastern University Manila, Philippines
- 1992 - 1994 Fatima College of Medicine Valenzuela, Manila, Philippines Graduated Doctor of Medicine
- 1994 - 1995 Medical Internship Philippine General Hospital University of the Philippines

Latest Positions Held

- 2000-present Attending Physician, Diagnostic Neuroradiology, Interventional Neuroradiology, Diagnostic VCT Cardiac/Peripheral Angiography, Diagnostic VCT Colonoscopy, Computerized Imaging Institute
- December 2007 Chief of Radiology, Fe Del Mundo General Hospital, Banawe Street, Quezon City Manila, Philippines

SPEAKER/MODERATOR CURICULUM VITAE

Speaker Full Name & Title

Samuel Ng Eng Soo, MD

Educational Qualifications

- MD National University of Singapore
- Radiology Royal College of Radiologists in UK
- Neuroradiology University of Pennsylvania and Stanford University, USA

Latest Positions

Medi-Rad Associates & Mt Elizabeth Hospital.

Awards

Twice winner Best Annual Scientific Paper Award, The Singapore Radiological Society and The Academy of Medicine

SPEAKER/MODERATOR CURICULUM VITAE

Speaker Full Name & Title

Sandy Cheng-Yu Chen, MD

Educational Qualifications

- Medical degree in School of Medicine, National Defense Medical Center, Taipei, 1985
- Resident, Department of Radiology, Tri-Service General Hospital, Taipei, 1985-1989
- Attending Neuroradiologist, Department of Radiology, Tri-Service General Hospital, Taipei, 1990-1996

Latest Positions

- Professor, National Defense Medical Center, Taipei, 2000 Aug. to present
- Chairman, Department of Radiology, Tri-Service General Hospital and National Defense Medical Center, Taipei, Taiwan, Republic of China, 2001 Jan. to present.
- Chief, Neuroradiology and MRI, Department of Radiology, Tri-Service General Hospital, Taipei. 1997 to 2000 Dec

SPEAKER/MODERATOR CURICULUM VITAE

Speaker Full Name & Title

Sri Andreani Utomo, MD Radiologists

Educational Qualifications

- Graduated from Elementary school : Surabaya , 1970
- Graduated from Junior High School : Surabaya, 1973
- Graduated from Senior High School : Surabaya, 1976
- Graduated from Faculty of Medicine, Airlangga University : 1984
- Started the Program of Specialist degree for Radiology in Airlangga University/ Dr. Soetomo General Hospital, Surabaya, January 1993
- Obtained the specialist degree for Radiology, January 1997
- Master Degree In Neurovascular Diseases, Paris Sud University and Mahidol University, held on Chiang Mai University-Thailand, November 2001- November 2002.



CERTIFICATE

This is to certify that

Sandy, Cheng-Yu Chen, MD

Has fully participated in

**7th ASIAN OCEANIAN CONGRESS OF
NEURO-RADIOLOGY (AOCNR)**

Organized by Indonesian Society Of Radiology –Indonesian Society Of Neuro-Radiology

Held on Thursday - Saturday, 09 -11 July 2009 at Discovery Kartika Plaza Bali Indonesia

As a witness whereof the said Society has caused the Certificate to be signed herewith affixed on the date



Chairman of 7th
Asian Oceanian
Congress of Neuro-Radiology

Benny Huwae

SKPPB Ikatan Dokter Indonesia (IDI)
No.254/IDI-BALI/Dsp/V/2008

Jakarta 22 May 2008

Peserta	14 SKP
Pembicara	14 SKP
Moderator	6 SKP
Panita	3 SKP





CERTIFICATE of APPRECIATION

Awarded To

Prof. Sandy, Cheng-Yu Chen

For invaluable services rendered as Free Paper Judge at

**7th ASIAN OCEANIAN CONGRESS OF
NEURO-RADIOLOGY (AOCNR)**

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Chairman of
7th Asian Oceanian
Congress of Neuro-Radiology

Benny Huwae

President,
Asian Oceanian Society
Of Neuro Radiology

Francis Hui





CERTIFICATE of APPRECIATION

Awarded To

Sandy, Cheng-Yu Chen, MD

For invaluable services rendered as **Speaker and/or Moderator** at

**7th ASIAN OCEANIAN CONGRESS OF
NEURO-RADIOLOGY (AOCNR)**

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Chairman of
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Benny Huwae

