



NAME
周德陽
Cho, Der-Yang

POSITION TITLE
Professor

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
National Yang-Ming University, Taiwan	M.D.	1982	Medcial
University of California at San Francisco, USA	Clinical fellow	1992	Medical
Graduate Institute of Healthcare Administration, Asia University, Taiwan	M.H.A.	2005	Healthcare Administration

CURRENT POSITIONS

2009/08-Present Superintendent of China Medical University Hospital, Taichung, Taiwan

2009/08- Present Professor, Graduate Institute of Biomedical Sciences, China Medical University, Taichung, Taiwan

RESEARCH INTEREST

1. endoscopic neurosurgery
2. functional neurosurgery
3. epilepsy surgery
4. gamma knife
5. spinal surgery
6. brain tumor

HONORS

1. 2015第十二屆國家新創獎-學研新創獎-腦中風之嗅幹細胞治療。主辦單位：社團法人國家生技醫療產業策進會。
2. 2015台灣醫療典範獎。主辦單位：中華民國醫師公會全國聯合會。
3. 2015勞動部勞動力發展署第二屆國家智榮獎之National Intelligence Award之最高榮譽【典範獎】。主辦單位：中華民國智慧榮耀再造協會。
4. 2014 Outstanding tech-transition contribution award, School of Medicine, China Medical University, Taiwan
5. 2014Outstanding alumni, Asia University, Taichung, Taiwan
6. 2013Outstanding alumni, Yang-Ming University, Taipei, Taiwan
7. 2010Outstanding Researcher, School of Medicine, China Medical University, Taiwa

REVIEWER

1. Clinical Neurology and Neurosurgery
2. Surgical Neurology International
3. Stroke

EDITORIAL BOARD MEMBER

1. Chinese Journal of Clinicians
2. World Journal of Critical Care Medicine
3. World Journal of Anesthesiology

4. Case Reports in Surgery
5. Archives of Clinical Depression and Anxiety
6. SciTz Neurosurgery and Spine
7. Journal, Integrative Immunobiology and Inflammation
8. Bio Accent Open Access journals
9. Journal Annals of Orthopedics and Musculoskeletal Disorders
10. Jacobs Journal of Spine
11. Austin Spine
12. Neurosurgery and Spine Research

PEER-REVIEWED PUBLICATIONS (SINCE 2004)

- [1] **Der-Yang Cho**, Wen-Yuan Lee, Po-Chun Hsieh: Treatment of Multilevel Cervical Fusion with Cages. Surgical Neurology. 2004;62:378-386. (SCI)
- [2] Ting-I Han, Mu-Jung Kao, **Der-Yang Cho**, Pey-Yu Yang: Acute Simultaneous Multiple Infarctions in One Cerebral Hemisphere: A Case Report. Tw J Phys Med Rehabil 2004;32(2):91-95.
- [3] Chun-Chung Chen, Jung-Tsung Chen, **Der-Yang Cho**: Spinal metastasis with spinal canal compression treated by surgically controlled Vertebroplasty. Mid Taiwan J Med 2004;9(2):113-8
- [4] Chun-Chung Chen, Der-Yang Cho, Cheng-Siu Chang, Jung-Tsung Chen, Wen-Yuan Lee, Han-Chung Lee: Removal of Putaminal Hemorrhage by Endoscopy. Mid Taiwan J Med 2004;10:84-9.
- [5] **Der-Yang Cho**, Wen-Yuan Lee, Po-Chun Hsieh, Chun-Chung Chen: Cage containing biphasic calcium phosphate ceramic (Triosite) to treat cervical spondylosis. Surgical Neurology. 63:497-504, 2005. (SCI)
- [6] **Der-Yang Cho**, Wen-Yuan Lee, Han-Chung Lee, Chun-Chung Chen, Meilan Tso: Application of neuronavigator coupled with an operative microscope and electrocorticography in epilepsy surgery. Surgical Neurology. 64:411-418,2005. (SCI)
- [7] Hsieh PC, **Cho D.Y.** Lee WY, Chen JT: Endoscopic evacuation of putaminal hemorrhage: how to improve the efficiency of hematoma evacuation. Surgical Neurology. 64(2):147-53,2005. (SCI)
- [8] Chun-Chung Chen, **Der-Yang Cho**, Cheng-Siu Chang, Jung-Tsung Chen, Wen-Yuan Lee, Han-Chung Lee: A stainless steel sheath for endoscopic surgery and its application in surgical evacuation of putaminal haemorrhage. Journal of Clinical Neuroscience 12(8):937-940, 2005. (SCI) 1.190
- [9] Chun-Chung Chen, **Der-Yang Cho**, Cheng-Siu Chang, Jung-Tsung Chen, Wen-Yuan Lee, Han-Chung Lee: A stainless steel sheath for endoscopic surgery and its application in surgical evacuation of putaminal haemorrhage. Journal of Clinical Neuroscience (2005) 12(8), 938-941. (SCI) 1.190
- [10] **Der-Yang Cho**, Meilan Tso M.A., Chun-Chung Chen, Wen-Yen Lee, Jen-Shiu Chang,: Socio-economic Costs of Open Surgery and Gamma Knife Radiosurgery for Benign Skull Base Tumors. Neurosurgery 58(5),866-873. May/2006. (SCI) 2.862
- [11] **Der-Yang Cho**, Chun-Chung Chen, Po-Chun Hsei, Wen-Yuan Lee: Endoscopic surgery for spontaneous basal ganglia hemorrhage: comparisons of endoscopic surgery and

stereotactic aspiration and craniotomy in non-coma-tose patients. *Surgical Neurology*. 65(6);547-556,2006. (SCI) 1.382

- [12] Hao-Che Chuang, **Der-Yang Cho** (Corresponding aughor), Cheng-Siu Chang: Efficacy and safety of the use of titanium mesh cages and anterior cervical plates for interbody fusion following anterior cervical corpectomy. *Surgical Neurology*. 2006;65:464-471. (SCI) 1.382
- [13] Chih-Hsiu Wang, Chun-Chung Chen, **Der-Yang Cho**: Brown-Sequard Syndrome Produced by Cervical Disc Herniation: Case Report and Review of the Literature. *中台灣醫學科學雜誌* 2006 ;11:62-6.
- [14] Nou-Ying Tang, Chung-Hsiang Liu, Wei-Kung Chen, **Der-Yang Cho**, Tsai-Chung Li, Yu-Hsien Peng, Ching-Liang Hsieh: Study of Chinese Medicine Pattern of Acute Stage Hemorrhage-type Stroke in Taiwan. *Mid Taiwan J Med* 2006;11:42-9.
- [15] Hao-Che Chuang, Han-Chung Lee, **Der-Yang Cho** (Corresponding aughor): Intracranial Malignant Meningioma with Multiple Spinal Metastases – A Case Report and Literature Review. *Spine* 31(26):E1006-E1010,2006. (SCI) 2.624
- [16] Hung-Lin Lin, Jung-Tsung Chen, Yu-Fang Liu, **Der-Yang Cho**: Thalamic tuberculoma Mimicking a Malignant brain tumor. *Mid Taiwan J Med* 11(2):122-7. Jun/2006.
- [17] Han-Chung Lee, **Der-Yang Cho**(Corresponding aughor), Wen-Yuan Lee, Hao-Che Chuang: Assessment of sacrum scalloping in neurofibromatosis type 1 caused by a giant cell lesion of the sacrum. *Surgical Neurology* 65;194-198,2006. (SCI) 1.382
- [18] Han-Chung Lee, **Der-Yang Cho**: Pitfalls in treatment of acute cervical spinal cord injury using high-dose methylprednisolone: a retrospect audit of 111 patients. *Surgical Neurology*. 68(Supp1);S1:37-S1:42.2007. (SCI) 1.382
- [19] Chun-Chung Chen, **Der-Yang Cho**(Corresponding aughor), Shu-Chiu Tsai: Outcome and Prognostic Factors of Decompresssive Hemicraniectomy Middle in Malignant Middle Cerebral Arterh Infarction. *Chinese Medical Journal (Taipei)*; 70(2):56-60; 2007/Feb. (MI)
- [20] **Der-Yang Cho**, Hung-Lin Lin., Wen-Yuan Lee., Han-Chung Lee: Split spinous process laminotomy and discectomy (Marmot operation) for degenerative lumbar spinal stenosis: A preliminary report. *Journal of Neurosurgery: Spine*. 6;229-239,2007/Mar. (SCI) 1.613
- [21] Hung-Lin Lin, Han-Chung Lee, **Der-Yang Cho**(Corresponding aughor): Management of transorbital brain injury. *Journal of the Chinese medical association*.70(1):36-38. 2007/Jan.
- [22] Chun-Chung Chen, Hung-Lin Lin, **Der-Yang Cho**(Corresponding aughor): Endoscopic surgery for thalamic hemorrhage: a technical note. *Surgical Neurology* 68(4):438-42, 2007, Oct. (SCI) 1.382
- [23] Chih-Hsiu Wang, Han-Chung Lee(Corresponding author), **Der-Yang Cho**: Traumatic pseudoaneurysm of the middle meningeal artery: possible indicators for early diagnosis in the computed tomography era. *Surg Neurol* 68(6):676-682,2007/Dec. (SCI) 1.382
- [24] Chun-Chung Chen, **Der-Yang Cho**, Shu-Chiu Tsai: Outcome of and prognostic factors for decompressive hemicraniectomy in malignant middle cerebral artery infarction. *Journal of Clinical Neuroscience* 14; 317-321, 2007. (SCI) 1.170
- [25] **Der-Yang Cho**, Wen-Yuan Lee, Chun-Chung Chen. Limbic leucotomy for intractable major

affective disorders: A seven-year of comprehensive nine psychiatric test evaluations. Journal of Clinical Neuroscience. 2008 Feb; 15(2):138-42. (SCI) IF:1.253

- [26] Chien-Chung Lin, Nai-Hsin Meng, Sui-Foon Lo, **Der-Yang Cho**, Li-wei Chou. A Metastatic Hepatocellular Carcinoma Manifested by Cerebellar Hemorrhage. Mid-Taiwan Journal of Medicine. 2008 Mar; 13(1):58-63
- [27] Chun-Chung Chen, Hao-Che Chung(Corresponding author), Han-Chung Lee, **Der-Yang Cho**. Single-Port Endoscopic Removal of Intraventricular Hemorrhage or Tumor of the Brain: A Technical Note. Mid-Taiwan Journal of Medicine. 2008 Jun; 13(2):100-6.
- [28] Hung-Lin Lin, Yu-Chien Lo, Chun-Chung Chen, Shang-Ming Chiou, Han-Chung Lee, Hsiang-Ming Huang, **Der-Yang Cho**. Three-dimensional reconstructed CT scanning for targeting hypertensive putaminal hemorrhage. Journal of Clinical Neuroscience 2008 Jun; 15(6):693-6. (SCI) IF:1.253
- [29] **Der-Yang Cho**, Chun-Chung Chen, Wen-Yuan Lee, Han-Chung Lee, Li-Hwei Ho. A New Modified Intracerebral Hemorrhage (ICH) Score for Treatment Decision in Spontaneous Basal Ganglia Hemorrhage --A Randomized Trial. Critical Care Medicine. 2008 Jul; 36(7):2151-6. (SCI) IF:6.124
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- [33] Hung-Lin Lin, Yu-Chien Lo, Chun-Chung Chen, Shang-Ming Chiou, Wen-Yuan Lee, **Der-Yang Cho**. Change of cervical balance following single to multi-level interbody fusion with cage. British Journal of Neurosurgery. 2008 Dec; 22(6):758-63. (SCI) IF:0.858
- [34] Hung-Lin Lin, Jung-Tsung Chen, Yu-Fang Liu, **Der-Yang Cho**. Sciatica Caused by Pseudomyxoma Peritonei. Journal of the Chinese Medical Association. 2009 Jan; 72(1):39-41.(SCI) IF:0.752
- [35] Yi-Chian Wu, Han-Chung Lee, **Der-Yang Cho**, Li-Wei Chou, Ting-I Hang, Ching-Liang Hsieh. Holmes tremor (福爾摩斯震顫)的中西醫結合治療:病例報告. 中西整合醫學雜誌. 2009 Mar; 5(1):135-46.
- [36] Wen-Yuen Lee , **Der-Yang Cho**(Corresponding author), Han-Chung Lee, Hao-Che Chung, Chun-Chung Chen, Jun-Lin Liu, Shi-Zan Yang, Gi-An Liang, Li-Hwei Ho: Outcomes and Cost-effectiveness of Gamma Knife Radiosurgery and Whole Brain Radiotherapy for Multiple Metastatic Brain Tumors. Journal of Clinical Neuroscience. 2009 May; 16(5):630-4 (SCI) IF:1.253

- [37] **Der-Yang Cho**, Shinn-Zong Lin, Wen-Kuang Yang, Den-Mei Hsu, Han-Chung Lee, Wen-Yeun Lee, Shih-Ping Liu. Recent advances of dendritic cells (DCs)- based immunotherapy for malignant gliomas. *Cell Transplantation*. 2009 May; 18(9):977-83 (SCI) IF:4.422
- [38] Chun-Chung Chen, Hao-Che Chung, Chun-Lin Liu, Han-Chung Lee, **Der-Yang Cho**. A newly developed endoscopic sheath for the removal of large putaminal hematomas. *Journal of clinical neuroscience*. 2009 Oct; 16(10):1338-41. (SCI) IF:1.253
- [39] Wei-Hung Yang, Jung-Tzu Chang, Sheng-Feng Hsu, Te-Mao Li, **Der-Yang Cho**, Chun-Yin Huang, Yi-Chin Fong, Chih-Hsin Tang. Bradykinin enhances cell migration in human chondrosarcoma cells through BK receptor signaling pathways. *Journal of Cellular Biochemistry*. 2010 Jan; 109(1):82-92 (SCI) IF:3.062
- [40] Chun-Lin Liu, Cheng-Hsin Cheng, **Der-Yang Cho**. Rhabdomyolysis accompanied by spontaneous spinal subdural and subarachnoid hematoma related to amphetamine abuse (case report). *Spine*. 2010 Jan; 35(2):E71-3 (SCI) IF:2.159
- [41] Cheng-Hsin Cheng, Hung-Lin Lin(Corresponding author), **Der-Yang Cho**, Chun-Chung Chen, Yu-Fang Liu, Shang-Ming Chiou. Intracavernous sinus arachnoid cyst with optic neuropathy. *Journal of clinical neuroscience*. 2010 Feb; 17(2):267-9. (SCI) IF:1.253
- [42] Yen-Tze Chu, Hao-Che Chuang(Corresponding author)., Han-Chung Lee, **Der-Yang Cho**. A ventriculoperitoneal shunt catheter wrapped around a right mammary prosthesis forming a pseudocyst./ case report. *Journal of Clinical Neuroscience*. 2010 Jun; 17(6):801-3. (SCI) IF:1.253
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- [45] Han-Chung Lee, Hao-Che Chuang, **Der-Yang Cho**, Kuang-Fu Cheng, Pao-Hsuan Lin, Chun-Chung Chen. Applying cerebral hypothermia and brain oxygen monitoring in treating severe traumatic brain injury. *World Neurosurg*. 2010 Dec;74(6):654-60.(SCI) IF:1.765
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- [47] **Der-Yang Cho**, Shinn-Zong Lin, Wen-Kuang Yang, Den-Mei Hsu, Hung-Lin Lin, Han-Chung Lee, Wen-Yeun Lee, Shao-Chih Chiu: The Role of Cancer Stem Cells (CD133+) in Malignant Gliomas. *Cell Transplantation*. 2011 Jan; 20(1):121-5. (SCI) IF:4.422
- [48] Chun-Chung Chen, Chun-Lin Liu, Ying-Nan Tung, Han-Chung Lee, Hao-Che Chuang, Shinn-Zong Lin, **Der-Yang Cho**. Endoscopic Surgery for Intraventricular Hemorrhage (IVH) Caused by Thalamic Hemorrhage: Comparisons of Endoscopic Surgery and External Ventricular Drainage (EVD) Surgery. *World Neurosurg*. 2011 Feb; 75(2):264-8. (SCI) IF:1.765

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- [51] **Der-Yang Cho**, Wen-Kuang Yang, Han-Chung Lee, Den-Mei Hsu, Hung-Lin Lin, Shinn-Zong Lin, Chun-Chung Chen, Horng-Jyh Harn, Chun-Lin Liu, Wen-Yuan Lee, Li-Hui Ho. Adjuvant Immunotherapy with Whole Cell Lysate Dendritic Cells Vaccine for Glioblastoma Multiforme: A Phase II Clinical Trial. *World Neurosurgery*. 2012 May-Jun; 77(5-6):736-44. (SCI) IF:1.765
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- [53] Chii-Wen Chou, Ju-Hsin Chang, Shinn-Zong Lin, **Der-Yang Cho**, Ya-Wen Cheng, Chun-Chung Chen. Extracranial-intracranial (EC-IC) bypass of symptomatic middle cerebral artery (MCA) total occlusion for haemodynamic impairment patients. *British Journal of Neurosurgery*. 2012 Dec; 26(6):823-6. (SCI) IF:0.858
- [54] **Der-Yang Cho**, Shinn-Zong Lin, Wen-Kuang Yang, Han-Chung Lee, Den-Mei Hsu, Hung-Lin Lin, Chun-Chung Chen, Chun-Lin Liu, Wen-Yuan Lee, Li-Hui Ho. Targeting Cancer Stem Cells for Treatment of Glioblastoma Multiforme. *Cell transplantation*. 2013 Feb;22(4):731-9. (SCI) IF:4.422
- [55] Chao-Hsuan Chen, Hung-Lin Lin, **Der-Yang Cho**. Reversible hypothalamic dysfunction in optic nerve germinoma. *Journal of Craniofacial Surgery*. 2013 Mar; 24(2):468-9. (SCI) IF:0.686
- [56] Chun-Chung Chen, Sung-Tai Wei, Shiu-Chiu Tsaia, Xian-Xiu Chen, **Der-Yang Cho**. Cerebrolysin enhances cognitive recovery of mild traumatic brain injury patients: double-blind, placebo-controlled, randomized study. *British Journal of Neurosurgery*. 2013 Dec;27(6):803-7. (SCI) IF:0.858
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- [61] Chiu Shao-Chih, Chung Hao-Yu, **Cho Der-Yang**, Chan Tzu-Min, Liu Ming-Chao, Huang Hiang-Ming, Li Tsyng-You, Lin Jian-Yong, Chou Pei-Chang, Fu Ru-Huei, Yang Wen-Kuang, Harn Horng-Jyh, Lin Shinn-Zong. Therapeutic potential of microRNA let-7: tumor suppression or impeding normal stemness. *Cell Transplant*. 2014;23(4-5):459-69.
- [62] Cheng-Hsin Cheng, Han-Chung Lee, Chun-Chung Chen, **Der-Yang Cho**, Hung-Lin Lin. Cryopreservation versus subcutaneous preservation of autologous bone flaps for cranioplasty: comparison of the surgical site infection and bone resorption rates. *Clin Neurol Neurosurg*. 2014 Sep;124:85-9. doi: 10.1016/j.clineuro.2014.06.029. Epub 2014 Jul 1. (SCI) I:1.198
- [63] Guo JH, Chen DC, **Cho DY**. Child hemivertebra combined with butterfly vertebra of the cervicothoracic junction mimicking traumatic burst fracture. *Spine J*. 2015 Sep 23. pii: S1529-9430(15)01452-7. doi: 10.1016/j.spinee.2015.09.042. [Epub ahead of print] (SCI) IF:2.660
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- [65] Hsiao IH, Lee HC, Yen PS, **Cho DY**. Embolization followed by surgery for treatment of perimedullary arteriovenous fistula causing acute myelopathy. *Surg Neurol Int*. 2015 May 28;6(Suppl 7):S275-8. doi: 10.4103/2152-7806.157794. eCollection 2015. (SCI) IF:1.41
- [66] Hsiao IH, **Cho DY**, Liu CL. Multifocal osteolytic lesions of the skull: a primary cavernous hemangioma mimicking a neoplastic invasive lesion. *Biomedicine (Taipei)*. 2015 Jun;5(2):12. doi: 10.7603/s40681-015-0012-y. Epub 2015 Jun 9.
- [67] Wei ST, Chen DC, **Cho DY**, Lin HL. Langerhans cell histiocytosis in monozygotic twins with central diabetes insipidus and hypophyseal masses. *Asian J Neurosurg*. 2015 Apr-Jun;10(2):105-7. doi: 10.4103/1793-5482.145177.
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- [70] Jung-Ying Chiang, Sung-Tai Wei, **Der-Yang Cho**. Early Onset Tension Pneumocranium Due to Barotrauma-Related Pneumomediastinum After Ventriculoperitoneal Shunt Placement. *J Craniofac Surg*. 2016 Aug 12. [Epub ahead of print] (SCI) IF:0.83

- [71] Wu, Chih-Ying, Huang, Hsiang-Ming, Chen, Der-Cherng, **Cho, Der-Yang**, Wei, Sung-Tai. Primary Intraosseous Hemangioma of the Orbital Roof: A Pitfall of Surgery. J Craniofac Surg. 2016 Sep;27(6):e580-1. (SCI) IF:0.83
- [72] Jeng-Hung Guo, Chun-Han Li, Der-Cherng Chen, **Der-Yang Cho**. Hemivertebra with accompanying costal deformity. Joint Bone Spine. 2016 May 26. pii: S1297-319X(16)30030-6. [Epub ahead of print] (SCI) I:2.946
- [73] Jeng-Hung Guo, Hsiang-Ming Huang, Yung-Chih Hsu, **Der-Yang Cho**. Primary spinal cord anaplastic oligoastrocytoma presenting with paraplegia. Spine J. 2016 Aug;16(8):e541-2. Epub 2016 Feb 3. (SCI) IF:2.660
- [74] Jeng-Hung Guo, Cheng-Che Hung, **Der-Yang Cho**, Sung-Tai Wei. Giant retroperitoneal paraspinal liposarcoma causing thoracolumbar scoliosis. Spine J. 2016 Feb 12. pii: S1529-9430(16)00343-0. [Epub ahead of print] (SCI) IF:2.660
- [75] Cheng-Che Hung, Jeng-Hung Guo, Yu-Kai Cheng, **Der-Yang Cho**. Delayed anterior cervical screws migrating simultaneously to the lung and stomach. Spine J. 2016 Apr;16(4):e263-4. Epub 2015 Nov 10. (SCI) IF:2.660
- [76] Jeng-Hung Guo, Der-Cherng Chen, **Der-Yang Cho**. Child hemivertebra combined with butterfly vertebra of the cervicothoracic junction mimicking traumatic burst fracture. Spine J. 2016 Feb;16(2):e45-6. Epub 2015 Sep 25. (SCI) IF:2.660

RECENT RESEARCH SUPPORT

1. Taiwan Ministry of Health and Welfare Clinical Trial and Research Center of Excellence (MOHW105-TDU-B-212-133019)