

Curriculum Vitae

Completed: February 10, 2022

I. BIBLIOGRAPHICAL DATA

Name	WAN-YUO GUO (郭萬祐)
Sex	Male
Place of birth	Taiwan
Citizenship	Taiwan
Address	Department of Radiology Veterans General Hospital-Taipei (VGH-Taipei) 201, Section II Shih-Pai Road, Taipei, 112 17 Taiwan
Present Position	Physician Emeritus, Department of Radiology Taipei Veterans General Hospital, Professor of Radiology (#013996) Medical school, National Yang Ming Chiao Tung University, Taiwan, President, XXI Symposium Neuroradiologicum (2018 World Congress of Neuroradiology), President-elect, World Federation of Neuroradiological Societies

II. EDUCATION

a) Undergraduate

1974-1981	China Medical College, Taiwan Degree: Medical Doctor
-----------	---

b) Professional experience

1981-1983	Military Surgeon
1983-1986	Residency in Dept of Radiology, VGH-Taipei
1986-1987	Chief Residency, Dept of Radiology, VGH-Taipei
1987-1988	Fellowship, Division of Neuroradiology, VGH-Taipei
1988-1989	Attending Radiologist, Division of Neuroradiology VGH-Taipei
1994-2006	Chief, Division of MRI, Dept of Radiology, VGH-Taipei
2006-2016	Chief, Division of Neuroradiology, VGH-Taipei
1987-1989	Deputy Secretary General, The Radiological Society of R.O.C.
1995- 1998	Secretary General,

The Neuroradiological Society of R.O.C. (Taiwan)

c) Graduate

1989-1993 Karolinska Institute, Stockholm, Sweden

Degree: Doctor of Medical Sciences (Dr. M. Sci.)

d) Title of thesis written for the graduate degree

"Radiological Aspects of Gamma Knife Radiosurgery for Arteriovenous Malformations and Other Non-Tumoural Disorders of the Brain"

Karolinska Institute, Sweden 1993, ISBN 91-628-0876-1.

III. CERTIFICATION AND MEMBERSHIPS

Diagnostic Radiologist, Radiological Society of R.O.C., Jun 1987

Neuroradiologist, Neurological Society, R.O.C. Taiwan, Jun 1989

Member, The Radiological Society of R.O.C.

Member, The Neurological Society of R.O.C.

Member, Swedish Society of Neuroradiology (1991-2010)

Member, International Stereotactic Radiosurgery Society (1996-2010)

Corresponding Member, The Radiological Society of North America (1990-present)

Member, Full Member, European Society of Neuroradiology (1992-1998, 2016-present)

Corresponding Member, European Society of Neuroradiology (1999-2015)

Honorary Member, American Society of Neuroradiology (2014)

Honorary Member, American Roentgen Ray Society (2015)

IV. PROFESSIONAL ACTIVITIES

a) Teaching and scientific activities

Aug 1987- Jan 1994 Instructor, National Yang-Ming University, Taiwan

Oct 25- Nov 3 1993 Visiting Professor, Hwa-Shan Hospital
Shanghai Medical University, Shanghai, China

Feb 1994- Jan 2005 Associate Professor of Radiology, School of Medicine
National Yang-Ming University, Taiwan

March 1997 Chairman, Scientific Committee, 2nd Congress of Asian and Oceanian
Society of Neuroradiology and Head & Neck Radiology, Taipei

June 1999 - Reviewer, The Journal of Magnetic Resonance Imaging (JMRI)

Sept. 2000 -	Reviewer, The Journal of Medical Physics
Jan 2000 – Aug 2002	Member, Commission on Research, World Federation of Neuroradiological Societies
Mar 2004~2018	Reviewer, The American Journal of Neuroradiology (AJNR)
Aug 14-21, 2004	Visiting Professor, Division of Pediatric Neurosurgery, Department of Neurosurgery, Jikei University, School of Medicine, Tokyo, Japan,
Mar 20, 2006 ~2010	Member-at-Large, Executive Committee, World Federation of Neuroradiological Societies
Feb 2008 – Apr 2010	Secretary General, The Radiological Society of R.O.C. (Chinese Taipei Radiological Society, CTSR)
Apr 2010 – Mar 2013	President, The Neuroradiological Society of Taiwan (NRST).
Apr 2013 – May 2016	President, CTSR
Mar 2016	Honorary President, NRST

b) Invited Lectures (Hundreds domestic and international invited speeches)

c) Award

1. The Best Paper of year, The Radiological Society of the Republic of China, 1993
2. Certificate of Excellence, The Symposium Neuroradiologicum XVI, Philadelphia USA, 1998
3. Derek Harwood-Nash Paediatric Neuroradiology Scholarship 1998, The Hospital for Sick Children university of Toronto, Toronto, Canada
4. Annual Best Paper, The Radiological Society of the Republic of China, 1999.
5. Visiting Professor, Division of Pediatric Neurosurgery, Department of Neurosurgery, Jikei University, School of Medicine, Tokyo, Japan, Aug 14-21, 2004
6. The Best Paper of year, The Radiological Society of the Republic of China, 2004

V 、 Research and Publication :

A. Papers published in periodic journals

1. **W.Y. Guo**, C.F. Yang, Y.G. Su, Y.S. Tyan, Y.J. Ho, J.H. Chiang, T. Chang. The Management of Hepatic Arterio-portal Shunting in Hepatocellular Carcinoma-- a Case Report. *JRS Journal of Radiological Science* 1985;10(2):143-146.
2. M.L. Kuo, **W.Y. Guo**, M.M.H. Teng, C.F. Yang, T. Chang. Computed Simulation of the Intensity Change of the Tissue in MRI. *JRS Journal of Radiological Scienc* 1986;11(2):163-170.
3. **W.Y. Guo**, M.M.H. Teng, S.S. Chen, W.C. Shen, C.F. Yang, T. Chang. Multiple Progressive Arterial Occlusion--Moyamoya Disease and it Syndrome. *JRS Journal of Radiological Science* 1987;12(3):249-255.
4. M.M.H. Teng, **W.Y. Guo**, L.S. Lee, T. Chang. Direct Puncture of the Cavernous Sinus for Obliteration of a Recurrent Carotid Cavernous Fistula. *Neurosurgery* 1988;23:104-107. (SCI)
5. M.M.H.Teng, **W.Y. Guo**, C.I.Hwang, C.C. Wu, T. Chang. Occlusion of Arteriovenous Malformation of the Cavernous Sinus via the Superior Ophthalmic Vein. *AJNR Am J Neuroradiol* 1998;9:539-546. (SCI)
6. S.S. Chen, M.M.H. Teng, **W.Y. Guo**, Ossification of the Posterior Longitudinal Ligament. *JRS Journal of Radiological Science* 1998;13(2):125-129.
7. M.M.H.Teng, T. Chang, **W.Y. Guo**. Arteriosclerotic Diseases of the Head and Neck:Comparative Study between Arch Digital Subtraction Angiography and Conventional Carotid Angiography in 23 Patients. *JRS Journal of Radiological Science* 1989;14(1):1-7.
8. T. Chang, M.M.H. Teng, **W.Y. Guo**. CT of Pineal Tumors and Intracranial Germ-Cell Tumors. *AJNR Am J Neuroradiol* 1989;10:1039-1044. (SCI)
9. M.M.H. Teng, C.Y. Chang, **W.Y. Guo**, W.Y. Li, T. Chang. CT Evaluation of Polymorphic Reticulosis.
甲、 *Neuroradiology* 1990;31:498-501. (SCI)
10. M.M.H. Teng, T. Chang, David H.C. Pan, C.N. Chang, C.I. Hwang, **W.Y. Guo**. Brain Stem Edema: An Unusual Complication of Carotid-Cavernous Fistula. *AJNR Am J Neuroradiol* 1991;12:139-142. (SCI)
11. M. Thoren, T. Rahn, **W.Y. Guo**, S.Werner. Stereotactic Radiosurgery with the Cobalt-60 Gamma Unit in the Treatment of Growth Hormone-Producing Pituitary Tumors. *Neurosurgery* 1991;29:663-668. (SCI)
12. **W.Y. Guo**, M. Lindqvist, C. Lindquist, K. Ericson, B. Nordell, B. Karlsson, L. Kihlstrom. Stereotaxic Angiography in Gamma Knife Radiosurgery of Intracranial Arteriovenous Malformations. *AJNR Am J Neuroradiol* 1992;13:1107-1114. (SCI)
13. **W.Y. Guo**, B.Nordell, B. Karlsson, M. Soderman, M. Lindqvist, K. Ericson, A. Franck, I. Lax, C. Lindquist. Target Delineation in Radiosurgery for Cerebral Arteriovenous Malformations. Assessment of the Value of Stereotaxic MR Imaging and MR Angiography. *Acta Radiologica* 1993;34:457-463. (SCI)
14. C. Lindquist, **W.Y. Guo**, L. Steiner, B. Karlsson, L. Steiner. Radiosurgery for Venous Angioma. *J Neurosurg* 1993;78:531-536. (SCI)
15. **W.Y. Guo**, B. Karlsson, K. Ericson, M. Lindqvist. Even the Smallest Remnant of an AVM Constitutes a Risk of Further Bleeding. *Acta Neurochir(Wien)* 1993;121:212-215. (SCI)
16. **W.Y. Guo**, G. Wikholm, B. Karlsson, C. Lindquist, P. Svendsen, K. Ericson. Combined Embolization and Gamma Knife Radiosurgery for Arteriovenous Malformations. *Acta Radiologica* 1993;34:600-606. (SCI)
17. **W.Y. Guo**, C. Lindquist, B. Karlsson, L. Kihlstrom, L. Steiner. Gamma Knife Surgery of Cerebral Arteriovenous Malformations: Serial MR Imaging Studies After Radiosurgery. *Int J Radiat Oncol, Biol Phys* 1993;25:315-323. (SCI)
18. K. Ericson, M. Soderman, B. Karlsson, **W.Y. Guo**, C. Lindquist. Multiple Intracranial Arteriovenous Malformations: A Case Report. *Neuroradiology* 1994;36:157-159. (SCI)
19. C.M. Lazaro, **W.Y. Guo**, M. Sami, T. Hindmarsh, K. Ericson, A.L. Hulting, J. Wersall. Haehorrhagic Pituitary Tumours. *Neuroradiology* 1994;36:111-114. (SCI)
20. J. Mogard, L. Kihlstrom, K. Ericson, B. Karlsson, **W.Y. Guo**, S.S. Elander. Recurrent Tumor Versus Radiation Effects After Gamma Knife Radiosurgery of Intracerebral Metastasis: Diagnosis with PET-FDG. *J Comput Assist Tomogr* 1994;18:177-181. (SCI)
21. M.M.H. Teng, J.F. Lirng, S.S. Chen, T. Chang, **W.Y. Guo**, P.L. Chen, C.Y. Lee. Neuroradiology Personal Computer Data Sase File and X-ray Report System. *JRS Journal of Radiological Science* 1994;19:157-163.
22. D.W. Chang, Y.Y. Lin, **W.Y. Guo**, S. Wang, C.P. Tsai, K.P. Lin, K.K. Liao. Midbrain Hemorrhage Presenting as Bilateral Ptosis without Hemiplegia: A Case Report. *J Chin Med Assoc* 1995;55:185-188. (SCI)
23. Y.Y. Lin, M.S.Su, C.H. Yiu, S.Y. Kwan, Y.F. Tu, **W.Y. Guo**, T.T. Wong, K.P. Chang. Startle Epilepsy Presenting as Drop Attacks: A Case Report. *J Chin Med Assoc* 1995;56:272-273. (SCI)
24. L. Kihlstrom, **W.Y. Guo**, C. Lindquist, P. Mindus. Radiobiology of Radiosurgery for Refractory Anxiety

- Disorders. *Neurosurgery* 1995;36:294-302. (SCI)
25. M.M.H. Teng, J.F. Lirng, T. Chang, S.S. Chen, **W.Y. Guo**, C.C. Cheng, W.C. Shen, L.S. Lee. Embolization of Carotid Cavernous Fistula by Means of Direct Puncture Through the Superior Orbital Fissure. *Radiology* 1995;194:705-711. (SCI)
 26. D.H.C. Pan, **W.Y. Guo**, W.Y. Chung, C.Y. Shiu, R.S. Liu, L.S. Lee. Early Effects of Gamma Knife Surgery on Malignant and Benign Intracranial Tumors. *Stereotact Funct Neurosurg* 1995;64(suppl 1):19-31. (SCI)
 27. **W.Y. Guo**, D.H.C. Pan, R.S. Liu, W.Y. Chung, C.Y. Shiu, S.S. Cheng, C.Y. Chang, K.Y. Chen, S.H. Yeh, L.S. Lee. Early Irradiation Effects Observed on MRI and MRA, and PET for Arteriovenous Malformations Treated by Gamma Knife Radiosurgery. *Stereotact Funct Neurosurg* 1995;64(suppl 1):258-269. (SCI)
 28. **W.Y. Guo**, W.C. Chu, W.Y. Chung, W.P. Gwan, Y.L. Lee, H.C. Pan, C.Y. Chang. An Evaluation of the Accuracy of Magnetic-Resonance-Guided Gamma Knife Surgery. *Stereotact Funct Neurosurg* 1996;66(suppl 1):85-92. (SCI), NSC 85-2331-B-075-105
 29. **W.Y. Guo**, H.C. Pan, W.Y. Chung, L.W. Wang, M.M.H. Teng. Do We Need Conventional Angiography? The Role of Magnetic Resonance Imaging in Verifying Obliteration of Arteriovenous Malformations After Gamma Knife Surgery, *Stereotact Funct Neurosurg* 1996;66(suppl 1):71-84. (SCI), NSC-85-2331-B-075-105
 30. L. Kihlstrom, **W.Y. Guo**, B. Karlsson, C. Lindquist, M. Lindqvist. Magnetic Resonance Imaging of Obliterated Arteriovenous Malformations up to 23 Years After Radiosurgery. *J Neurosurg* 1997;86:589-593 (SCI)
 31. D.M.T. Ho, T.T. Wong, **W.Y. Guo**, K.P. Chang, S.H. Yen. Primary Cerebellar Extramedullary Myeloid Cell Tumor Mimicking Oligodendroglioma. *Acta Neuropathol* 1997;94:398-402 (SCI)
 32. F.C. Chang, J.F. Lirng, S.S. Chen, C.B. Luo, **W.Y. Guo**, J.H. Chiang, M.M.H. Teng. Wegener's Granulomatosis: Image Findings in Head and Neck. *JRS Journal of Radiological Science* 1997; 22(5):199-205.
 33. **W.Y. Guo**. Application of MR in Stereotactic Radiosurgery, *JMRI* 1998;8:415-420. (SCI) NSC 87-2314-B-075-005
 34. **W.Y. Guo**, W.Y. Chung, C.Y. Shiu, H.M. Wu, L.W. Wang, H.C. Pan. Is Subclinical Hemorrhage Common? Neuroimaging and Clinical Evaluation After AVM Radiosurgery. *Radiosurgery* 1998;2: 157-172.
 35. **W.Y. Guo**, H.C. Pan, H.M. Wu, W.Y. Chung, C.Y. Shiu, L.W. Wang, H.J. Chiou, M.Y. Yen, M.M.H. Teng. Radiosurgery as A Treatment Alternative for Dural Arteriovenous Fistulas of Cavernous Sinus. *AJNR Am J Neuroradiol* 1998;19:1081-1087. (SCI), NSC 86-2314-B-075-091
 36. C.B. Luo, J.F. Lirng, M.M.H. Teng, S.S. Chen, **W.Y. Guo**, Tsuen chang. Endovascular Embolization of Arteriovenous Fistulas of The External Carotid Artery. *J Chin Med Assoc* 1998;61:260-266.
 37. H.C. Pan, W.Y. Chung, **W.Y. Guo**, Y.C. Chang, C.Y. Shiu, L.W. Wang, R.S. Liu, F.Q.H. Ngo, L.S. Lee. Effects of Gamma Knife Radiosurgery for Brain Tumors: Clinical Evaluation . *J Chin Med Assoc* 1998;61:397-407.
 38. M.C. Wu, W.C. Chu, **W.Y. Guo**, W. Y. Chung, David H.C. Pan. Using Ferrous Sulphate Gel and Fast Spin-Echo MR Images to Measure Radiation Dose Absorption. *Chin J Med Biol Eng* 1998;18(1):29-37.
 39. H.J. Chiou, Y.H. Chou, W.Y. Guo, M.M.H. Teng, C.C. Hsu, C.M. Tiu. Verifying Complete Obliteration of Carotid Artery-Cavernous Sinus Fistula: Role of Color Doppler Ultrasonography. *J Ultrasound Med* 1998;17:289-295. (SCI)
 40. D.H.C. Pan, **W.Y. Guo**, Y.C. Chang, W.Y. Chung, C.Y. Shiu, L.W. Wang, S.M. Wu. The Effectiveness and Factors Related to Treatment Results of Gamma Knife Radiosurgery for Meningiomas, *Stereotact Funct Neurosurg* 1998;70(suppl 1):19-32. (SCI)
 41. W.Y. Chung, H.C. Pan, **W.Y. Guo**, C.Y. Shiu, L.W. Wang, H.M. Wu, L.S. Lee. Protection of Visual Pathway in Gamma Knife Radiosurgery for Craniopharyngiomas, *Stereotact Funct Neurosurg* 1998;70(suppl 1): 139-151. (SCI)
 42. M.M.H. Teng, A.J.K. Liou, J.F. Lirng, C.B. Luo, S.S. Chen, **W.Y. Guo**, J.H. Chiang, C.Y. Chang, C.F. Yang. CT Angiography for Detecting Intracranial Occlusive Arterial Disease : Various Parameters. *JRS Journal of Radiological Science* 1998;23(4):137-141.
 43. M.M.H. Teng, Y.H. Kao, H.C. Cheng, J.F. Lirng, C.B. Luo, S.S. Chen, **W.Y. Guo**, J.H. Chiang, C.Y. Chang. The Value Of DWI in the Diagnosis of Cerebral Infarction And Ischemia. *JRS Journal of Radiological Science* 1998;23:121-126.
 44. W.C. Chu, **W.Y. Guo**, M.C. Wu, W.Y. Chung and D.H.C. Pan. The Radiation Induced Magnetic Resonance Image Intensity Change Provides A More Efficient Three-dimensional Dose Measurement in MRI-Fricke-agarose Gel Dosimetry. *Med Phys* 1998; 25 (12) :2326-2332. (SCI).
 45. **W.Y. Guo**, H.C. Pan, C.Y. Shiu, Y.C. Chang, H.M. Wu, W.Y. Chung, L.W. Wang, M.M.H. Teng. AVM Radiosurgery: Where is the Volume Limit? *Rivista di Neuroradiologia* 1999;12(suppl 2):35-40. (SCI).
 46. H.C. Pan, T.T. Wong, W.Y. Guo, L.S. Lee. Pilocytic Astrocytoma of the Posterior Fossa: A Follow-up Study in 15 Patients. *J Chin Med Assoc* 1999;62: 278-284. (SCI)

47. **W.Y. Guo**. Commentary on Stereotactic Radiosurgery for Intracranial AVM. *Therapeut Radiol Oncol* 甲、 1999;6: 155-157.
48. F.C. Chang, J.F. Lirng, S.S. Chen, C.B. Luo, **W. Y. Guo**, M.M.H. Teng, C.Y. Chang. August, Spontaneous Intracranial Hypotension Associated with Simultaneous Rupture of Multiple Perineural Cysts. *JRS Journal of Radiological Science* 1999;24:167-170.
49. K.T. Farng, K.P. Chang, T.T. Wong, **W.Y. Guo**, D.M. Ho, W.L. Hu. Pediatric Intracranial Germinoma Treated with Chemotherapy Alone. *J Chin Med Assoc* 1999;62:859-866. (SCI)
50. **W.Y. Guo**. Is an Early Angiogram Needed? (letter) *AJNR Am J Neuroradiol* 2000;21:555-556. (SCI)
51. S.Y. Kwan, T.T. Wong, K.P. Chang, C.S. Chi, T.F. Yang, Y.C. Lee, **W.Y. Guo**, M.S. Su. Seizure Outcome After Corpus Callosotomy: the Taiwan Experience. *Child's Nerv Syst* 2000;16:87-92. (SCI)
52. C.B. Luo, M.M.H. Teng, J.F. Lirng, F.C. Chang, S.S. Chen, **W.Y. Guo**, C.Y. Chang. Endovascular Embolization of Intractable Epistaxis. *J Chin Med Assoc* 2000;63:205-212. (SCI)
53. S.Y. Kwan, T.T. Wong, K.P. Chang, T.F. Yang, Y.C. Lee, **W.Y. Guo**, M.S. Su. Postoperative Seizure Outcome After Corpus Callosotomy in Reflex Epilepsy. *J Chin Med Assoc* 2000;63:240-246. (SCI)
54. M. Lindqvist, B. Karlsson, **W.Y. Guo**, L. Kihlström, B. Lippitz, M. Yamamoto. Angiographic Long-term Follow-up Data for Arteriovenous Malformations Previously Proven to Be Obliterated After Gamma Knife Radiosurgery. *Neurosurgery* 2000; 46:803-810. (SCI)
55. S.Y. Kwan, T.T. Wong, K.P. Chang, T.F. Yang, Y.C. Lee, **W.Y. Guo**, M.S. Su. Postcallosotomy Seizure Outcome in Hemiconvulsion-Hemiatrophy-Epilepsy Syndrome. *J Chin Med Assoc* 2000;63:503-511. (SCI)
56. C.C. Kao, Y.C. Lee, J.T. Chen, **W.Y. Guo**, K.K. Liao. Spinal Cord Infarct Presenting as Brown-Sequard Plus Syndrome: A Case Report. *Acta Neurologica Taiwanica* 2000;9:145-150.
57. D.H.C. Pan, **W.Y. Guo**, W.Y. Chung, C.Y. Shiau, Y.C. Chang, L.W. Wang. Gamma Knife Radiosurgery as A Single Treatment Modality for Large Cerebral Arteriovenous Malformations. *J Neurosurg* 2000;93(suppl 3):113-119. (SCI)
58. W.Y. Chung, D.H.C. Pan, C.Y. Shiau, **W.Y. Guo**, L.W. Wang. Gamma Knife Radiosurgery for Craniopharyngiomas. *J Neurosurg* 2000; 93(suppl 3):47-56. (SCI)
59. Y.F. Wang, **W.Y. Guo**, C.I. Huang, D.M.T. Ho, M.M.H. Teng, C.Y. Chang. Paraganglioma of the Filum Terminale: A Case Report. *JRS Journal of Radiological Science* 2000;25:165-168.
60. C.Y. Yang, J.F. Lirng, F.C. Chang, C.B. Luo, S.S. Chen, **W.Y. Guo**, M.M.H. Teng, C.Y. Chang. Computed Tomographic Appearances of Necrosis of the Putamen Caused by Methanol Poisoning: A Case Report. *JRS Journal of Radiological Science* 2000;25:169-171
61. **W.Y. Guo**; C.Y. Chang; D.M.T. Ho; T.T. Wong; M.H. Sheu; H.C. Cheng; S.J. Chen; J.H. Hung. A Comparative MR and Pathological Study on Fetal CNS Disorders. *Child's Nerv Syst* 2001;17:512-518. (SCI)
62. S.Y. Kwan, T.T. Wong, K.P. Chang, T.F. Yang, Y.C. Lee, **W.Y. Guo**, M.S. Su. Seizure Outcomes After Anterior Callosotomy in Patients with Posterior-Dominant and with Anterior-Dominant Epileptiform Discharges. *Child's Nerv Syst* 2001;17:71-75. (SCI)
63. W.H. Yuan, M.M.H. Teng, H.C. Hsu, S.S. Chen, J.F. Lirng, F.C. Chang, C.B. Luo, **W.Y. Guo**, J.H. Chiang, C.Y. Chang. Image Evaluation of Suprazygomatic Masticator Space Lesions. *Kaohsiung J Med* 2001;17:139-149.
64. T.C. Yen, C.C. Chou, C.M. Cheng, Y.T. Wu, H.C. Cheng, J.C. Hsieh, **W.Y. Guo**, M.M.H. Teng, C.Y. Chang. Custom-designed On-line Functional MRI Analysis. *JRS Journal of Radiological Science* 2001;26:69-74.
65. T.F. Yang, T.T. Wong, K.P. Chang, S.Y. Kwan, **W.Y. Guo**, Y.C. Lee, T.B.J. Kuo. Power Spectrum Analysis of Heart Rate Variability in Children with Epilepsy. *Child's Nerv Syst* 2001;17:602-606. (SCI)
66. T.Y. Chuang, H. Cheng, R.C. Chan, S.C. Chiang, **W.Y. Guo**. Neurourologic Findings in Patients with Traumatic Thoracolumbar Vertebra Junction Lesions. *Arch Phys Med Rehabil* 2001;82(3):375-9. (SCI)
67. K.Y. Tsai, J.T. Chen, **W.Y. Guo**, J.L. Fuh, K.K. Liao. Behcet's Disease with Pathologic Laughing and Crying: A Case Report and Literature Review. *Acta Neurologica Taiwan* 2001;10:271-276.
68. Y.H. Fan, L. Shyr, C.L. Wu, **W.Y. Guo**, C.Y. Chang. The Comparison of MR Imaging and Sonography in Measurement of Fetal Brain. *C J Radiologic Tech* 2001;25:271-276.
69. H.M. Wu, D.M. Yousem, H.W. Chung, **W.Y. Guo**, C.Y. Chang, C.Y. Chen. Influence of Imaging Parameters on High-Intensity Cerebrospinal Fluid Artifacts in Fast-FLAIR MR Imaging. *AJNR Am J Neuroradiol* 2002;23:393-399. (SCI)
70. D.H.C. Pan, W.Y. Chung, **W. Y. Guo**, H.M. Wu, K.D. Liu, C.Y. Shiau, L.W. Wang. Stereotactic Radiosurgery for the Treatment of Dural Arteriovenous Fistulas in the Transverse-Sigmoid Sinus. *J Neurosurg* 2002;96:823-829. (SCI)
71. D.M. Niu, **W.Y. Guo**, H.C. Pan, T.T. Wong. Rapid Enlargement of A Residual Craniopharyngioma During A Short-term Growth Hormone Replacement. *Child's Nerv Syst* 2002;18: 164-165. (SCI)

72. T.H. Wu, J.S. Lee, H.M. Wu, W.F. Chu, W.Y. Guo^{*c}. Evaluating Geometric Accuracy of Multi-platform Stereotactic Neuroimaging in Radiosurgery. *Stereotact Funct Neurosurg* 2002;78:39-48. (SCI) (the cover story of the issue)
73. K.H. Chi, Y.C. Chang, W.Y. Guo, M.J. Leung, C.Y. Shiau, S.Y. Chen, et, al. A Phase III Study of Adjuvant Chemotherapy in Advanced Nasopharyngeal Carcinoma Patients. *Int. J Radiation Oncology Biol Phys* 2002;52(5): 1238-1244. (SCI)
74. Y.J. Tseng, W.C. Chu, W.Y. Chung, W.Y. Guo, Y.H. Kao, J. Wang, S.C. Huang. The Role of Dose Distribution Gradient in the Observed Ferric Ion Diffusion Time Scale in MRI-Fricke-infused Gel Dosimetry. *Megn Reson Imaging* 2002;20:495-502. (SCI)
75. S.W. Teng, W.Y. Guo, M.H. Sheu, P.H. Wang. Initial Experience Using Magnetic Resonance Imaging in Prenatal Diagnosis of Osteogenesis Imperfecta Type II: A Case Report. *Clin Imaging* 2003;27(1):55-58. (SCI)
76. Y.M. Chuang, W.Y. Guo^{*c}, D.M.T. Ho, T.T. Wong, J.H. Hung, S.J. Chen, M.H. Sheu, C.Y. Chang. Skew Ocular Deviation: A Catastrophic Sigh on MRI of Fetal Glioblastoma. *Child's Nervous System* 2003;19:371-375. (SCI)
77. C.P. Chien, W.Y. Guo^{*c}, H.M. Wu, S.C. Chen, F.C. Chang, H.C. Pan, M.M.H. Teng, G.Y. Chang, Unilateral Proptosis An Unusual Clinical Presentation of Cerebral Arteriovenous Malformations. *Rivista di Neuroradiologia* 2003;16:1201-1204. (SCI)
78. F.C. Chang, J.F. Lirng, C.B. Luo, H.M. Wu, W.Y. Guo, M.M.H. Teng, C.Y. Chang. MR Findings of Spinal Epidural Hematomas. *JRS Journal of Radiological Science* 2003; 27:289-295.
79. Y.H. Kao, W.Y. Guo, Y.T. Wu, K.C. Liu, W.Y. Chai, C.Y. Lin, Y.S. Hwang, A.J.K. Liou, H.M. Wu, H.C. Cheng, T.C. Yeh, J.C. Hsieh, M.M.H. Teng. Hemodynamic Segmentation of MR Brain Perfusion Image Using Independent Component Analysis, Thresholding, and Bayesian Estimation. *Magnet Reson Med* 2003;49:885-894. (SCI)
80. T.H. Wu, J.K. Wang, Jason JS. Lee, R.S. Liu, W.Y. Guo^{*c}. An Imaging Co-Registration System via Novel Non-Invasive and Non-Radioactive External Markers. *EJNM* 2003;30:812-818. (SCI)
81. F.C. Chang, J.F. Lirng, S.S. Chen, C.B. Luo, W.Y. Guo, M.M.H. Teng, C.Y. Chang. Contrast Enhancement Patterns of Acute Spinal Epidural Hematomas: A Report of Two Cases. *AJNR Am J Neuroradiol* 2003;24:366-369. (SCI)
82. W.Y. Guo, T.T. Wong. Screening of Fetal CNS Anomalies by MR Imaging. *Child's Nerv Syst* 2003;19:410-414. (SCI)
83. H.K. Wang, M.H. Sheu, W.Y. Guo, C.H. Hong, C.Y. Chang. Case Report: Magnetic Resonance Imaging of Pregnancy Luteoma. *J Comput Assist Tomogr* 2003;27(2):155-157. (SCI)
84. Y.H. Fan, C.G. Yang, C.L. Wu, Y.H. Kao, W.Y. Guo^{*c}, C.Y. Chang. The Impacts of Fat Suppression on 3D Time of Flight MR Angiography. *C J Radiologic Tech* 2003;27(1): 11-18.
85. M.C. Kao, S.K. Tsai, M.Y. Tsou, H.K. Lee, W.Y. Guo, J.S. Hu. Paraplegia Following Delayed Awareness of Inadvertent Spinal Cord Injury During Thoracic Epidural Catheterization. *Anesth Analg* 2004;99:580-583. (SCI)
86. W.Y. Guo, H.C. Pan, H.M. Wu, W.H.A. Hsieh, M.H. Tsai, Y.M. Chow, W.Y. Chung, C.Y. Shiau, S.K. Chen, W.H. P. Chang. Individuals' Leukocyte DNA Double Strand Break Repair as An Indicator of Radiosurgery Responses for Cerebral Arteriovenous Malformations. *J Radiat Res* 2004;45: 269-274. (SCI)
87. W.Y. Guo, Y.T. Wu, H.M. Wu, W.Y. Chung, Y.H. Kao, T.C. Yeh, C.Y. Shiau, D.H.C. Pan, Y.C. Chang, J.C. Hsieh. Toward Normal Perfusion after Radiosurgery: Perfusion MR Imaging with Independent Component Analysis on Brain Arteriovenous Malformations. *AJNR Am J Neuroradiol* 2004;25:1636-1644. (SCI)
88. W.Y. Chung, K.D. Liu, C.Y. Shiau, H.M. Wu, L.W. Wang, W.Y. Guo, D.M.T. Ho, D.H.C. Pan. Gamma Knife Surgery for Vestibular Schwannoma: 10-year Experience of 195 Cases. *J Neurosurg* 2005;102(suppl) 102:87-96. (SCI)
89. K.D.Liu, W.Y. Chung, H.M. Wu, C.Y. Shiau, L.W. Wang, W.Y. Guo, D.H.C.Pan. Gamma Knife Surgery for Cavernous Hemangiomas: An Analysis of 125 Patients. *J Neurosurg* 2005; 102(suppl):81-86. (SCI)
90. C.Y. Yang, T.P. Su, W.W. Wong, W.Y. Guo, Y.L. Su. Association of AIDS and Bipolar Mania with Rapid Progression to Dementia and Death. *J. Chin Med Assoc* 2005;68:92-95. (SCI)
91. T.C. Wu, W.Y. Guo, J.F. Lirng, T.T. Wong, F.C. Chang, C.B. Luo, M.M.H. Teng, C.Y. Chang. Spinal Cord Hemangioblastoma with Extensive Syringomyelia. *J. Chin Med Assoc* 2005;68:40-44. (SCI)
92. Y.C. Cheng, J.F. Lirng, F.C. Chang, W.Y. Guo, M.M.H. Teng, C.Y. Chang, T.T. Wong, D.M.T. Ho.

- Neuroradiological Findings in Atypical Teratoid/Rhabdoid Tumor of the Central Nervous System, *Acta Radiol* 2005;1:89-96. (SCI)
93. T. C. Wu, S.H. Shen, S.P. Chang, C.Y. Chang, **W.Y. Guo***^c. Magnetic Resonance Experience of a Twin Pregnancy with a Normal Fetus and Hydatidiform Mole: A Case Report. *J Comput Assist Tomogr* 2005;29:415-417. (SCI)
 94. C.H. Hsiao, T. Kao, Y.H. Fang, J.K. Wang, **W.Y. Guo**, L.H. Chao, S.H. Yen. System Integration and DICOM Image Creation for PET-MR Fusion. *J Digit Imaging* 2005;18:28-36. (SCI)
 95. **W.Y. Guo**: Is Current Imaging Good Enough to Differentiate Radiation-induced Brain Injury from Tumor Recurrence? (Editorial) *AJNR Am J Neuroradiol* 2005;26:1305. (SCI)
 96. F.C. Chang, J.F. Lirng, C.B. Luo, Y.S. Yen, **W.Y. Guo**, M.M. Teng, C.Y. Chang. Evaluation of Clinical and MR Findings for the Prognosis of Spinal Epidural Haematomas. *Clin Radiol* 2005;60:762-770. (SCI)
 97. T.T. Wong, D.M. Hoh, K. P. Chang, S. H. Yen, **W.Y. Guo**, F.C. Chang, M.L. Liang, H.C. Pan, W.Y. Chung. Primary Pediatric Brain Tumors: Statistics of Taipei VGH, Taiwan (1975-2004). *Cancer* 2005; 104:2156-2167. (SCI).
 98. Y.H. Kao, **W.Y. Guo**, C.Y. Chang, Y.T. Wu: A Post-processing Technique to Remove Extra-cerebral Signals from Three-dimensional Time-of-flight MR Brain Images. *C J Radiologic Tech* 2005;29(1):1-8.
 99. B. Karlsson, M. Lindqvist, H Blomgren, **W.Y. Guo**, M Soderman, I Lax, M Yamamoto, J. Bailes. Long-term Results After Fractionated Radiation Therapy for Large Brain Arteriovenous Malformations. *Neurosurgery* 2005;57:42-49. (SCI)
 100. C.B., Luo, **W.Y. Guo**, M.M.H. Teng, F.C. Chang, D.H.C. Pan. Embolization of Arteriovenous Fistula After Radiosurgery for Multiple Cerebral Arteriovenous Malformations. *Kaohsiung J Med Sci* 2005;21:571-577.
 101. **W.Y. Guo**, S. Ono, S. Oi; S.H. Shen, T.T. Wong, H.W. Chung, J.H. Hung Dynamic Motion Analysis of Fetuses with Central Nervous System Disorders by Cine Fetal MR Using Fast Imaging Employing Steady-State Acquisition with Parallel Imaging Technique-A Preliminary Result. *J Neurosurgery* 2006; 105 (suppl 2 Pediatrics):94-100. (SCI)
 102. C.C. Wu. Y.S. Ten, Donald M.T. Ho, **W.Y. Guo**. Primary Neurocytoma in the Spinal Cord. A Case Report. *The Neuroradiology Journal* 2006;19 (5):672-678.
 103. **W.Y. Guo**, S.M. Lee; Y.C. Chang, H.C. Pan. The Impact of Arteriovenous Malformation Radiosurgery on the Brain: From Morphology and Perfusion to Neurocognition. *Stereotact Funct Neurosurg* 2006;84:162-169 (DOI: 10.1159/000094955) (SCI)
 104. C.D. Kao, **W.Y. Guo**, J.T. Chen, Z.A. Wu, K.K. Liao. MR Findings of Decerebrate Rigidity with Preservation of Consciousness. *AJNR Am J Neuroradiol* 2006;27(5):1074-1075.
 105. H.M. Wu, D.H.C. Pan, W.Y. Chung, **W.Y. Guo**, K.D. Liu, C.Y. Shiau, L.W. Wang, S.J. Chen. Gamma Knife Surgery for the Management of Intracranial Dural Arteriovenous Fistulas. *J Neurosurg* 2006;105 (suppl Gamma Knife):43-51. (SCI)
 106. L.W. Wang, C.Y. Shiau, W.Y. Chung, H.M. Wu, **W.Y. Guo**, K.D. Liu, Donald M.T. Ho, T.T. Wong, D.H.C. Pan. Gamma Knife Surgery for Low-grade Astrocytomas: Evaluation of Long-term Outcome Based on A 10-Year Experience. *J Neurosurg* 2006;105(suppl Gamma Knife):127-132. (SCI)
 107. M. Söderman, **W.Y. Guo**, B. Karlsson, D.M. Pels, E. Ulfarsson, T. Andersson. Neurovascular Radiosurgery. *Int Neuroradiol* 2006;12: 189-202. (SCI)
 108. Y.H. Huang, T.H. Wu, M.H. Lin, C.C. Yang, **W.Y. Guo**, Z.J. Wang, C.L. Chen, J.S. Lee. An Automated Robot Arm System for Small Animal Tissue Biopsy Under Dual-image Modality. *Nucl Inst and Meth in Phys A* 2006;569:230-234. (SCI)
 109. C.C. Yang, T.H. Wu, M.H. Lin, Y.H. Huang, **W.Y. Guo**, C.L. Chen, T.C. Wang, W.H. Yin, J.S. Lee. Multimodality Imaging Combination in Small Animal via Point-based Registration. *Nucl Inst and Meth in Phys A* 2006;569:240-244. (SCI)
 110. Y.T. Wu, Y.C. Chou, **W.Y. Guo**, T.C. Yeh, J.C. Hsieh. Classification of Spatiotemporal Hemodynamics from Brain Perfusion MR Images Using Expectation-Maximization Estimation with Finite Mixture of Multivariate Gaussian Distributions. *Magn Reson Med* 2007;57(1):181-191. (SCI)
 111. C.Y. Lin, **W.Y. Guo**, S.P. Chen, J.T. Chen, K.P. Kao, Z.A. Wu, K.K. Liao. Neurotoxicity of Nitrous Oxide: Multimodal Evoked Potentials in An Abuser. *Clin Toxicol (Phila)* 2007;45(1):67-71. (SCI)
 112. F.C. Chang, J.F. Lirng, C.B. Luo, **W.Y. Guo**, M.M. Teng, S.K. Tai, C.Y. Chang. Carotid Blowout Syndrome in Patients with Head-and-Neck Cancers: Reconstructive Management by Self-Expandable Stent-Grafts. *AJNR*

Am J Neuroradiol 2007;28(1):181-188. (SCI)

113. Y.C. Lo, David H.T. Yen, W.Y. Guo, C.C. Yang. Diffuse Cerebral Cortex, Cerebellar Cortex and Basal Ganglia Injury: a Rare MR Imaging Manifestation of Heat Stroke. *Neuroradiology* 2007;20:34. (SCI)
114. Y.C. Chou, Michael M.H. Teng, W.Y. Guo, J.C. Hsieh, Y.T. Wu. Classification of Hemodynamics from Dynamic-Susceptibility-Contrast Magnetic Resonance (DSC-MR) Brain Images using Noiseless Independent Factor Analysis. *Med Image Anal* 2007;11(3):242-53 (SCI)
115. C.B. Luo, M.M. Teng, F.C. Chang, M.H. Sheu, W.Y. Guo, C.Y. Chang. Bilateral Traumatic Carotid-Cavernous Fistulae: Strategies for Endovascular Treatment. *Acta Neurochir (Wien)* 2007;149(7):675-80. (SCI)
116. W.Y. Guo, J.J. Lee, M.H. Lin, C.C. Yang, C.L. Chen, Y.H. Huang, Y.S. Tyan, T.H. Wu. Merging Molecular and Anatomical Information: a Feasibility Study on Rodents using microPET and MRI. *Nucl Med Commun* 2007;28(10):804-12. (SCI)
117. S.H. Shen, W.Y. Guo*^c, J.H. Hung. Two-dimensional Fast Imaging Employing Steady-state Acquisition (FIESTA) Cine-Acquisition of Fetal Non-central Nervous System Abnormalities. *J Magn Reson Imaging* 2007;26(3):672-7. (SCI)
118. N.C. Chiu, H.M. Wu, Y.H. Chou, W.Y. Li, Y.Y. Chiou, W.Y. Guo, C.Y. Chang. Basal Cell Adenoma versus Pleomorphic Adenoma of the Parotid Gland: CT Findings. *AJR Am J Roentgenol* 2007;189(5):W254-61. (SCI)
119. T.T. Wong, Y.W. Chen, W.Y. Guo, K.P. Chang, D.M. Ho, S.H. Yen. Germinoma Involving the Basal Ganglia in Children. *Child Nerv Syst* 2008;24(1):71-8. (SCI)
120. Y.H. Kao, W.Y. Guo, A.J. Liou, Y.H. Hsiao, C.C. Chou. The Respiratory Modulation of Intracranial Cerebrospinal Fluid Pulsation Observed on Dynamic Echo Planar Images. *Magn Reson Imaging* 2008;26:198-205. (SCI)
121. C.B. Luo, M.M. Teng, F.C. Chang, C.Y. Chang, W.Y. Guo. Radiation carotid blowout syndrome in nasopharyngeal carcinoma: angiographic features and endovascular management. *Otolaryngol Head Neck Surg* 2008;138(1):86-91. (SCI)
122. J.H. Hung, S.H. Shen, W.Y. Guo, C.Y. Chen, K.C. Chao, M.J. Yang, C.Y. Hung. Prenatal diagnosis of pulmonary sequestration by ultrasound and magnetic resonance imaging. *J Chin Med Assoc* 2008;71(1):53-7. (SCI)
123. F.C. Chang, J.F. Lirng, C.B. Luo, S.J. Wang, H.M. Wu, W.Y. Guo, M.M. Teng, C.Y. Chang. Patients with head and neck cancers and associated postirradiated carotid blowout syndrome: endovascular therapeutic methods and outcomes. *J Vasc Surg* 2008;47(5):936-45. (SCI)
124. D.H. Pan, Y.H. Kuo, W.Y. Guo, W.Y. Chung, H.M. Wu, K.D. Liu, Y.C. Chang, L.W. Wang, T.T. Wong. Gamma Knife surgery for cerebral arteriovenous malformations in children: a 13-year experience. *J Neurosurg Pediatrics* 2008;1(4):296-304. (SCI)
125. Y.Y. Huang, H.L. Wu, M.Y. Tsou, H.J. Zong, W.Y. Guo, K.H. Chan, C.K. Ting. Paradoxical carbon dioxide embolism during pneumoperitoneum in laparoscopic surgery for a huge renal angiomyolipoma. *J Chin Med Assoc* 2008;71(4):214-7. (SCI)
126. P.I. Huang, Y.W. Chen, T.T. Wong, Y.Y. Lee, K.P. Chang, W.Y. Guo, F.C. Chang, M.L. Liang, H.H. Chen, S.H. Chiou, S.H. Yen. Extended focal radiotherapy of 30 Gy alone for intracranial synchronous bifocal germinoma: a single institute experience. *Child Nerv Syst* 2008;24(11):1315-21. (SCI)
127. F.C. Chang, J.F. Lirng, C.B. Luo, H.M. Wu, W.Y. Guo, M.M. Teng, C.Y. Chang, A.M. Paciorek. A self-expandable stent overlapped with a stent-graft as a cause of endoleak in a patient with carotid blowout syndrome. *Clin Radiol* 2008;63(8):948-51. (SCI)
128. C.B. Luo, F.C. Chang, M.M. Teng, W.Y. Guo, C.Y. Chang. Stent Management of Coil Herniation in Embolization of Internal Carotid Aneurysms. *AJNR Am J Neuroradiol* 2008;29(10):1951-5. (SCI)
129. C.P. Lin, W.Y. Guo*^c, K.H. Chou, M.T. Chen, M.H. Chen, Y.S. Yen, Y.P. Chao, D.M.T. Ho. Peri-tumoral Fractional Anisotropy Mapping as a Prognosticator and Treatment Guidance of Brain Tumors: A Feasibility Study. *Journal of Medical and Biological Engineering* 2008;28(3):139-146. (EI)
130. T.C. Wu, W.Y. Guo*^c, H.M. Wu, F.C. Chang, C.Y. Shiau, W.Y. Chung. The rare association of moyamoya disease and cerebral arteriovenous malformations: a case report. *Korean J Radiol* 2008;9 (suppl):S65-67. (SCI)
131. J.H. Hung, S.H. Shen, W.Y. Guo, C.Y. Chen, K.C. Chao, M.J. Yang, C.Y. Hung. Prenatal diagnosis of

- schizencephaly with septo-optic dysplasia by ultrasound and magnetic resonance imaging. *J Obstet Gynaecol Res* 2008;34(4 pt 2):674-679. (SCI)
132. W.Y. Chung, C.Y. Shiau, H.M. Wu, K.D. Liu, W.Y. Guo, L.W. Wang, D.H. Pan. Staged radiosurgery for extra-large cerebral arteriovenous malformations: method, implementation, and results. *J Neurosurg* 2008;109(suppl):65-72. (SCI)
 133. F.C Chang, C.B Luo, J.F Lirng, W.Y. Guo, H.M Wu, M.M.H Teng, C.Y Chang, Complications of Carotid Blowout Syndrome in Patients with Head and Neck Cancers Treated by Covered Stents. *Interv Neuroradiol* 2008;1429-1433.(SCI)
 134. N.C. Chiu, W.Y. Guo*^c. Hirayama Disease. *Clinical Medicine* 2009;63:484-487.
 135. N.C. Chiu, W.Y. Guo*^c. Skull Base Chondrosarcoma. *Clinical Medicine* 2009;64:72-75.
 136. N.C. Chiu, W.Y. Guo*^c. Methanol Intoxication. *Clinical Medicine* 2009;64:159-162.
 137. N.C. Chiu, W.Y. Guo*^c. Metronidazole Induced Encephalopathy. *Clinical Medicine* 2009; 64:242-245.
 138. N.C. Chiu, W.Y. Guo*^c. Rasmussen's Encephalitis. *Clinical Medicine* 2009; 64: 325-328.
 139. N.C. Chiu, W.Y. Guo*^c. Superficial Siderosis. *Clinical Medicine* 2009; 64: 405-408.
 140. N.C. Chiu, W.Y. Guo*^c. Lacrimal Sac Melanoma. *Clinical Medicine* 2009; 65: 235-240.
 141. N.C. Chiu, W.Y. Guo*^c. Nasopharyngeal Carcinoma with Brain Metastasis. *Clinical Medicine* 2009; 65: 320-324.
 142. N.C. Chiu, W.Y. Guo*^c. Delayed Pneumoventricle After VP Shunting. *Clinical Medicine* 2009; 65: 407-410.
 143. C.B Luo, M.M.H Teng, F.C Chang, W.Y. Guo, C.Y Chang. Multiple Intracranial Carotid Injuries: Pitfalls in Diagnosis by Angiography and Principles of Endovascular Treatment. *J Trauma* 2009;67(6):1327-1332. (SCI)
 144. H.H. Hu, W.Y. Guo, H.Y. Chen, P.S. Wang, C.I. Hung, J.C. Hsieh, Y.T. Wu. Morphological regionalization using fetal magnetic resonance images of normal developing brains. *Eur J Neurosci* 2009;29(8):1560-7. (SCI)
 145. Y.T. Wu, K.K Shyu, T.R. Chen, W.Y. Guo. Using Three-Dimensional Fractal Dimension to analyze the Complexity of Fetal Cortical Surface from Magnetic Resonance Images. *Nonlinear Dynam* 2009;58(4):745-752. (SCI)
 146. S.C. Hung, H.M. Wu, W.Y. Guo*^c. Revisiting Anterior Atlantoaxial subluxation with overlooked information on MR images. *AJNR Am J Neuroradiol* 2010;31:838-843. (SCI).
 147. Y.M. Chuang, W.Y. Guo*^c, C.P. Lin. Appraising the Plasticity of the Circle of Willis: A Model of Hemodynamic Modulation in Cerebral Arteriovenous Malformations. *Eur Neurol* 2010; 63:295-301. (SCI).
 148. R.S. Liu, C.P. Chang, W.Y. Guo, D.H.C. Pan, D.M.T. Ho, C.W. Chang, B.H. Yang, L.C. Wu, S.H. Yeh. ¹⁻¹¹C-Acetate Versus ¹⁸F-FDG PET in Detection of Meningioma and Monitoring the Effect of γ -Knife Radiosurgery. *J Nucl Med* 2010;51(6):883-891.(SCI)
 149. C.Y. Hsu, W.Y. Guo, C.P. Chien, D.M.T. Ho. MIB-1 Labeling Index Correlated with Magnetic Resonance Imaging Detected Tumor Volume Doubling Time in Pituitary Adenoma. *Eur J Endocrinol* 2010;162(6):1027-1033.(SCI)
 150. C.C. Lee, Y.S. Yen, D.H.C. Pan, W.Y. Chung, H.M. Wu, W.Y. Guo, M.T. Chen, K.D. Liu, Y.H. Shih. Delayed Microsurgery for Vestibular Schwannoma after Gamma Knife Radiosurgery. *J Neurooncol* 2010;98:203-212. (SCI)
 151. C.W. Chou, H.M. Wu, C.I. Huang, W.Y. Chung, W.Y. Guo, Y.H. Shih, L.S. Lee, D.H.C. Pan. Gamma Knife Surgery for Cavernous Hemangiomas in the Cavernous Sinus. *Neurosurgery* 2010;67(3):611-616. (SCI)
 152. W.Y. Chung, D.H.C. Pan, C.C. Lee, H.M. Wu, K.D. Liu, Y.S. Yen, W.Y. Guo, C.Y. Shiau, Y.H. Shih. Large Vestibular Schwannoma Treated by Gamma Knife Surgery : Long-Term Outcomes. *J Neurosurg* 2010;113(suppl):112-121. (SCI)
 153. Y.L. Liao, Y.N. Sun, W.Y. Guo, Y.H. Chou, J.C. Hsieh, Y.T. Wu. A Hybrid Strategy to Integrate Surface-Based and Mutual-Information-Based Methods for co-Registration Brain SPECT and MR images. *Med. Biol. Eng. Comput* 2011;49(6):671-685. (SCI)
 154. T.H. Tu, J.H. Wu, W.C. Huang, W.Y. Guo, C.L. Wu, Y.H. Shih, H. Cheng. Heterotopic Ossification after Cervical Total Disc Replacement Determination by CT and Effects on Clinical Outcomes. *J Neurosurg Spine* 2011;14(4):457-465. (SCI)
 155. C.D. Kao, K.P. Lin, J.T. Chen, J.B. Chang, W.Y. Guo, Y.Y. Lin, K.K. Liao. Preserved Motor-Evoked Potentials but without Good Motor Recovery in a Patient with Decerebrate Rigidity. *J Chin Med Assoc* 2011;74(1):37-39.

(SCI)

156. F.Y. Tsai, A. Yen, **W.Y. Guo**, C.C. Wu. Venous Hypertension and Cerebral Aneurysm Rupture. *Neuroradiol J* 2011;24:137-144.
157. C.C. Lee, D.H.C. Pan, D.M. Ho, H.M. Wu, W.Y. Chung, K.D. Liu, **W.Y. Guo**, Y.H. Shih. Chronic Encapsulated Expanding Hematoma after Gamma Knife Stereotactic Radiosurgery for Cerebral Arteriovenous Malformation. *Clin Neurol Neurosurg* 2011;113(8):668-671.(SCI)
158. M.C. Chen, D.H. Pan, W.Y. Chung, K.D. Liu, Y.S. Yen, M.T. Chen, T.T. Wong, Y.H. Shih, H.M. Wu, **W.Y. Guo**, C.Y. Shiau, L.W. Wang, C.W. Lin. Gamma Knife Radiosurgery for Central Neurocytoma: Retrospective Analysis of Fourteen Cases with a Median Follow-Up period of sixty-five months. *Stereotact Funct Neurosurg* 2011;89(3):185-193. (SCI).
159. C.C. Lee, D.H. Pan, J.C. Wu, W.Y. Chung, H.M. Wu, H.C. Yang, K.D. Liu, **W.Y. Guo**, Y.H. Shih. Gamma knife Radiosurgery for glomus jugulare and tympanicum. *Stereotact Funct Neurosurg* 2011;89(5):291-298. (SCI)
160. Y.C. Sun, M.M. Teng, W.S. Yuan, C.B. Luo, F.C. Chang, J.F. Lirng, **W.Y. Guo**, C.Y. Chang. Risk of post-vertebroplasty fracture in adjacent vertebral bodies appears correlated with the morphologic extent of bone cement. *J Chin Med Assoc* 2011;74(8)357-362.(SCI)
161. Y.W. Chen, P.I. Huang, D.M. Ho, Y.W. Hu, K.P. Chang, S.H. Chiou, **W.Y. Guo**, F.C. Chang, M.L. Liang, Y.Y. Lee, H.H. Chen, T.R. Hsu, S.C. Lin, T.T. Wong, S.H. Yen. Change in treatment strategy for intracranial germinoma: long-term follow-up experience at a single institute. *Cancer* 2012;118(10):2752-2762. (SCI)
162. H.H. Hu, C.I. Hung, Y.T. Wu, H.Y. Chen, J.C. Hsieh, **W.Y. Guo**^{*c}. Regional quantification of developing human cortical shape with a three-dimensional surface-based magnetic resonance imaging. *Eur J Neurosci* 2011;34(8):1310-1319. (SCI)
163. F.Y. Chiu, M.M. Teng, Y.H. Kao, Y.D. Chen, C.B. Luo, F.C. Chang, **W.Y. Guo**, C.Y. Chang. Selection of arterial input function for post-processing of cerebral CT perfusion in chronic unilateral high-grade stenosis or occlusion of the carotid or middle cerebral artery. *Acad Radiol* 2012;19(1):8-16. (SCI)
164. C.A. Liu, H.C. Chen, C.B. Luo, **W.Y. Guo**, Mu-Huo Teng M, H.H. Chen, C.Y. Chang. Dural sinus malformation with arteriovenous fistulae in a newborn: positive outcome following endovascular management. *J Chin Med Assoc* 2012;75(1):43-46. (SCI)
165. Y.W. Chen, P.I. Huang, Y.W. Hu, D.M. Ho, K.P. Chang, **W.Y. Guo**, F.C. Chang, Y.Y. Lee, C.Y. Shiau, T.T. Wong, S.H. Yen. Treatment strategies for initially disseminated intracranial germinomas: experiences at a single institute. *Childs Nerv Syst* 2012;28(4):557-63. (SCI)
166. Y.W. Hu, P.I. Huang, T.T. Wong, D.M. Ho, K.P. Chang, **W.Y. Guo**, F.C. Chang, C.Y. Shiau, M.L. Liang, Y.Y. Lee, H.H. Chen, S.H. Yen, Y.W. Chen. Salvage treatment for recurrent intracranial germinoma after reduced-volume radiotherapy: a single-institution experience and review of the literature. *Int J Radiat Oncol Biol Phys* 2012;84(3):639-647. (SCI)
167. C.C. Lee, W.H. Wang, C.F. Lin, H.H. Chen, S.C. Chen, S.C. Lin, S.C. Hung, **W.Y. Guo**, D.M. Ho, Y.H. Shih, S.P. Hsu. Malignant transformation of supratentorial ganglioglioma. *Clin Neurol Neurosurg* 2012;114(10):1338-1342. (SCI)
168. C.J. Lin, S.C. Hung, **W.Y. Guo**^{*c}, F.C. Chang, C.B. Luo, J. Beilner, M. Kowarschik, W.F. Chu, C. Y. Chang. Monitoring Peri-Therapeutic Cerebral Circulation Time: A Feasibility Study Using Color-Coded Quantitative DSA in Patients with Steno-Occlusive Arterial Disease. *AJNR Am J Neuroradiol* 2012;33(9):1685-1690. (SCI)
169. T.C. Huang TC, T.H. Wu, C.J. Lin, G.S. Mok, **W.Y. Guo**^{*c}. Peritherapeutic quantitative flow analysis of arteriovenous malformation on digital subtraction angiography. *J Vasc Surg* 2012;56(3):812-815. (SCI)
170. C.B. Luo, M.M.H. Teng M, F.C. Chang, C.J. Lin, **W.Y. Guo**, C.Y. Chang. Intraprocedure aneurysm rupture in embolization: clinical outcome with imaging correlation. *J Chin Med Assoc* 2012;75(6):281-285. (SCI)
171. Y.Y. Lin, C.J. Lin, D.M. Ho, **W.Y. Guo**, C.Y. Chang. Primary intramedullary spinal cord lymphoma. *Spine J* 2012;12(6):527-8. (SCI)
172. C.B. Luo, M.M. Teng, F.C. Chang, C.J. Lin, **W.Y. Guo**, C.Y. Chang. Stent-assisted coil embolization of intracranial aneurysms: a single center experience. *J Chin Med Assoc* 2012;75(7):322-328.(SCI)
173. C.W. Chen, C.J. Lin, **W.Y. Guo**, I.P. Liang. Minicker of subarachnoid hemorrhage in a hemodialysis patient. *Kidney Int* 2012;82(8):940. (SCI)
174. J.F. Lirng, P.S. Wang, H.C. Chen, B.W. Soong, **W.Y. Guo**, H.M. Wu, C.Y. Chang. Difference between spinocerebellar ataxias and multiple system atrophy-cerebellar type on proton magnetic resonance

spectroscopy. *PLoS One* 2012;7(10):e47925.

175. H.H. Hu, H.Y. Chen, C.I. Hung, W.Y. Guo*^c, Y.T. Wu*. Shape and curvedness analysis of brain morphology using human fetal magnetic resonance images in utero. *Brain Struct Funct* 2013;218(6):1451-1462. (SCI)
176. C.C. Wu, W.Y. Guo*, M.H. Chen, D.M. Ho, A.S. Hung, H.W. Chung. Direct measurement of the signal intensity of diffusion-weighted magnetic resonance imaging for preoperative grading and treatment guidance for brain gliomas. *J Chin Med Assoc.* 2012;75(11):581-588. (SCI)
177. B. Karlsson, W.Y. Guo, T. Kejia, N. Dinesh, D.H. Pan, H. Jokura, J. Kawagishi, A.T. van Eck, G.A. Horstmann, T.T. Yeo, M. Yamamoto. Gamma Knife Surgery for central neurocytomas. *J Neurosurg* 2012;117(suppl):96-101. (SCI)
178. C.C. Lee, D.H. Pan, W.Y. Chung, K.D. Liu, H.C. Yang, H.M. Wu, W.Y. Guo, Y.H. Shih. Brainstem cavernous malformations: the role of Gamma Knife surgery. *J Neurosurg* 2012;117(suppl):164-169. (SCI)
179. C.J. Lin, M. Yu, S.C. Hung, M.M. Teng, W.Y. Guo, F.C. Chang, C.B. Luo, W.F. Chu, C.Y. Chang. In-room assessment of cerebral blood volume for guidance during intra-arterial thrombolytic therapy. *Interv Neuroradiol.* 2012;18(4):463-468. (SCI)
180. C.C. Lee, W.H. Wang, C.F. Lin, H.H. Chen, S.C. Chen, S.C. Lin, S.C. Hung, W.Y. Guo, D.M. Ho, Y.H. Shih, S.P. Hsu. Malignant transformation of supratentorial ganglioglioma. *Clin Neurol Neurosurg.* 2012 Dec;114(10):1338-1342. (SCI)
181. D.H.C. Pan, H.M. Wu, Y.H. Kuo, W.Y. Chung, C.C. Lee, W.Y. Guo. Intracranial dural arteriovenous fistulas: natural history and rationale for treatment with stereotactic radiosurgery. *Prog Neurol Surg.* 2013;27:176-194.
182. T.C. Huang, T.H. Wu, Y.H. Lin, W.Y. Guo, W.C. Huang, C.J. Lin. Quantitative flow measurement by digital subtraction angiography in cerebral carotid stenosis using optical flow method. *J Xray Sci Technol.* 2013 Jan 1;21(2):227-235. (SCI)
183. C.B. Luo, M.M. Teng, F.C. Chang, C.J. Lin, W.Y. Guo, C.Y. Chang. Transarterial detachable coil embolization of direct carotid-cavernous fistula: immediate and long-term outcomes. *J Chin Med Assoc.* 2013;76(1):31-36. (SCI)
184. Y.H. Kao, W.Y. Guo, A.J. Liou, T.Y. Chen, C.C. Huang, C.C. Chou, J.F. Lirng. Transfer function analysis of respiratory and cardiac pulsations in human brain observed on dynamic magnetic resonance images. *Comput Math Methods Med.* 2013;2013:157040. (SCI)
185. S.C. Hung, C.J. Lin, W.Y. Guo*^c, F.C. Chang, C.B. Luo, M.M. Teng, C.Y. Chang. Toward the era of a one-stop imaging service using an angiography suite for neurovascular disorders. *Biomed Res Int.* 2013;2013:873614. (SCI)
186. C.Y. Hsu, S.C. Lin, H.L. Ho, Y.C. Chang-Chien, S.P. Hsu, Y.S. Yen, M.H. Chen, W.Y. Guo, D.M. Ho. Exclusion of histiocytes/endothelial cells and using endothelial cells as internal reference are crucial for interpretation of MGMT immunohistochemistry in glioblastoma. *Am J Surg Pathol.* 2013;37(2):264-271. (SCI)
187. C.B. Luo, M.M. Teng, F.C. Chang, W.Y. Guo, C.Y. Chang. Transorbital direct puncture of the posterior cavernous sinus through the internal carotid artery for embolization of isolated cavernous sinus dural arteriovenous fistula. *J Neurointerv Surg.* 2013;5(2):e1. (SCI)
188. C.J. Lin, C.B. Luo, S.C. Hung, W.Y. Guo*^c, F.C. Chang, J. Beilner, M. Kowarschik, W.F. Chu, C.Y. Chang. Application of color-coded digital subtraction angiography in treatment of indirect carotid-cavernous fistulas: initial experience. *J Chin Med Assoc* 2013;76(4):218-224. (SCI)
189. C.J. Lin, T.H. Wu, C.H. Lin, S.C. Hung, C.F. Chiu, M.J. Liu, M.M. Teng, F.C. Chang, W.Y. Guo, C.Y. Chang. Can Iterative Reconstruction Improve Imaging Quality for Lower Radiation CT Perfusion? Initial Experience. *AJNR Am J Neuroradiol* 2013;34(8):1516-1521. (SCI)
190. N.Y. Cho, S.C. Huang, W.Y. Chung, W.Y. Guo, W.C. Chu. Isotropic three-dimensional MRI-Fricke-infused gel dosimetry. *Med Phys* 2013;40(5):052101. (SCI)
191. C.B. Luo, W.Y. Guo, M.M. Teng, F.C. Chang, C.J. Lin, H.M. Wu, C.Y. Chang, W.Y. Chung. Fistula components of brain arteriovenous malformations: Angioarchitecture analysis and embolization prior to gamma-knife surgery. *J Chin Med Assoc* 2013;76(5):277-281. (SCI)
192. T.H. Wu, S.C. Hung, J.Y. Sun, C.J. Lin, C.H. Lin, C.F. Chiu, M.J. Liu, M.M. Teng, W.Y. Guo, C.Y. Chang. How far can the radiation dose be lowered in head CT with iterative reconstruction? Analysis of imaging quality and diagnostic accuracy. *Eur Radiol* 2013;23(9):2612-2621. (SCI)
193. H.H. Wang, C.B. Luo, W.Y. Guo, H.M. Wu, J.F. Lirng, T.T. Wong, Y.H. Lu, F.C. Chang. Preoperative embolization of hypervascular pediatric brain tumors: evaluation of technical safety and outcome. *Childs*

- Nerv Syst** 2013;29(11):2043-2049.(SCI)
194. C.C. Lai, W.S. Chen, Y.S. Chang, S.H. Wang, C.J. Huang, **W.Y. Guo**, W.C. Yang, D.F. Huang. Clinical Features and Outcomes of Posterior Reversible Encephalopathy Syndrome in Patients with Systemic Lupus Erythematosus. **Arthritis Care Res (Hoboken)** 2013;65(11):1766-1774. (SCI)
 195. Y.H. Lu, H.H. Wang, J.F. Lirng, **W.Y. Guo**, T.T. Wong, M.M. Teng, F.C. Chang, C.Y. Chang. Unusual giant intraspinal teratoma in an infant. **J Chin Med Assoc** 2013;76(7):411-414. (SCI)
 196. W.H. Wang, C.C. Lee, S.C. Lin, **W.Y. Guo**, D.M. Ho, M.H. Chen, D.H.C. Pan, Y.H. Shih, M.T. Chen. Gamma knife radiosurgery for lymphoplasmacyte-rich meningioma. **Clin Neurol Neurosurg** 2013;115(7):1110-1113. (SCI)
 197. C.F. Lu, **W.Y. Guo**, F.C. Chang, S.R. Huang, Y.C. Chou, Y.T. Wu. Hemodynamic segmentation of brain perfusion images with delay and dispersion effects using an expectation-maximization algorithm. **PLoS One** 2013;8(7):e68986. (SCI)
 198. C.B. Luo, Y.J. Lai, M.M. Teng, F.C. Chang, C.J. Lin, **W.Y. Guo**. Reverse waffle cone technique in management of stent dislodgement into intracranial aneurysms. **J Clin Neurosci** 2013;20(9):1306-1308. (SCI)
 199. T.H. Wu, C.J. Lin, Y.H. Lin, **W.Y. Guo**, T.C. Huang. Quantitative analysis of digital subtraction angiography using optical flow method on occlusive cerebrovascular disease. **Comput Methods Programs Biomed** 2013;111(3):693-700. (SCI)
 200. C.P. Chen, T.Y. Chang, **W.Y. Guo**, P.C. Wu, L.K. Wang, S.R. Chern, P.S. Wu, J.W. Su, Y.T. Chen, L.F. Chen, W. Wang. Chromosome 17p13.3 deletion syndrome: aCGH characterization, prenatal findings and diagnosis, and literature review. **Gene** 2013;532(1):152-159. (SCI)
 201. C.P. Chen, T.Y. Chang, **W.Y. Guo**, Y.N. Su, Y.Y. Chen, S.R. Chern, J.W. Su, W. Wang. Detection of maternal transmission of a splicing mutation in the TSC2 gene following prenatal diagnosis of fetal cardiac rhabdomyomas mimicking congenital cystic adenomatoid malformation of the lung and cerebral tubers and awareness of a family history of maternal epilepsy. **Taiwan J Obstet Gynecol** 2013;52(3):415-419. (SCI)
 202. C.B. Luo, **W.Y. Guo**, F.C. Chang, H.M. Wu, M.M. Teng, C.J. Lin, D.H. Pan, W.Y. Chung, C.Y. Chang. Fistula component of cerebral arteriovenous malformations: morphologic change after stereotactic radiosurgery and outcome of embolisation. **Acta Neurochir (Wien)** 2014;156(1):85-92. (SCI)
 203. W.F. Chu, C.J. Lin, W.S. Chen, S.C. Hung, C.F. Chiu, T.H. Wu*, **W.Y. Guo***c. Radiation doses of cerebral blood volume measurements using C-Arm CT : a phantom study. **AJNR Am J Neuroradiol** 2014;35(6):1073-1077. (SCI)
 204. F.C. Chang, C.B. Luo, J.F. Lirng, C.J. Lin, H.M. Wu, S.C. Hung, **W.Y. Guo**, M.M.H. Teng, C.Y. Chang. Evaluation of the Outcomes of Endovascular Management for Patients with Head and Neck Cancers and Associated Carotid Blowout Syndrome of the External Carotid Artery. **Clin Radiol** 2013;68(11):e561-569. (SCI)
 205. W.Y. Chung, K.D. Liu, C.Y. Shiau, H.M. Wu, L.W. Wang, **W.Y. Guo**, D.M.T. Ho, D.H.C. Pan. Gamma Knife Surgery for Vestibular Schwannoma: 10-year Experience of 195 Cases. **J Neurosurg** 2013;119(suppl):87-97. (SCI)
 206. C.H. Yang, T.H. Wu, Y.Y. Chiou, S.C. Hung, C.J. Lin, Y.C. Chen, M.H. Sheu, **W.Y. Guo**, C.F. Chiu. Imaging Quality and Diagnostic Reliability of Low-Dose Computed Tomography Lumbar Spine for Evaluating Patients with Spinal Disorders. **Spine J** 2014;14(11):2682-2690. (SCI)
 207. C.B. Luo, F.C. Chang, M.M.H. Teng, C.J. Lin, H.M. Wu, **W.Y. Guo**, C.Y. Chang. Tansarterial Onyx Embolization of Intracranial Dural Arteriovenous Fistulas: A Single Center Experience. **J Chin Med Assoc** 2014;77(4):184-189. (SCI)
 208. S.C. Hung, C.C. Wu, C.J. Lin, **W.Y. Guo***c, C.B. Luo, F.C. Chang, and C.Y. Chang. Artifacts Reduction of Different Metallic Implants in Flat Detector C-Arm CT. **AJNR Am J Neuroradiol** 2014;35(7):1288-1292. (SCI)
 209. W.H. Yuan, H.C. Hsu, H.C. Cheng, **W.Y. Guo**, M.M.H. Teng, S.J. Chen, T.C. Lin. CT of globe rupture: analysis and frequency of findings. **AJR Am J Roentgenol** 2014;202(5):1100-1107 (SCI).
 210. S.C. Hung, M.L. Liang, C.F. Lin, C.J. Lin, **W.Y. Guo***c, F.C. Chang, T.T. Wong, C.Y. Chang. New Grading of Moyamoya Disease Using Color-Coded Parametric Quantitative Digital Subtraction Angiography. **J Chin Med Assoc** 2014;77(8):437-442. (SCI)
 211. J.T. Wang, H.C. Yang, C.F. Lin, **W.Y. Guo**, C.B. Luo, M.H. Chen, S.P. Hsu. Bilobulated Paraclinoid Aneurysm Mimics Double Aneurysms: A Comparison of Endovascular Coiling and Surgical Clipping Treatments. **J Chin Med Assoc** 2014;77(10):544-547. (SCI)

212. C.C. Lee, H.C. Yang, C.J. Chen, Y.C. Hung, H.M. Wu, C.Y. Shiau, **W.Y. Guo**, D.H.C. Pan, W.Y. Chung, K.D. Liu. Gamma Knife surgery for craniopharyngioma: report on a 20-year experience. *J Neurosurg*. 2014;121 suppl:167-178. (SCI)
213. H.J. Lee, C.C. Wu, H.M. Wu, S.C. Hung, J.F. Lirng, C.B. Luo, F.C. Chang, **W.Y. Guo**. Pretreatment Diagnosis of Suprasellar Papillary Craniopharyngioma and Germ Cell Tumors of Adult Patients. *AJNR Am J Neuroradiol* 2015;36(3):508-517. (SCI)
214. C.Y. Hsu, H.L. Ho, S.C. Lin, Y.C. Chang-Chien, M.H. Chen, S.P. Hsu, Y.S. Yen, **W.Y. Guo**, D.M. Ho. Prognosis of glioblastoma with faint MGMT methylation-specific PCR product. *J Neurooncol*. 2015;122(1):179-188.
215. Y.F. Lee, C.C. Lee, M.C. Wang, K.D. Liu, H.M. Wu, **W.Y. Guo**, A.S. Shiao, D.H.C. Pan, W.Y. Chung, S.P. Hsu. Cervical vestibular-evoked myogenic potential in vestibular schwannoma after gamma-knife surgery. *Auris Nasus Larynx* 2015;42(4):265-270.
216. C.J. Lin, F.C. Chang, **W.Y. Guo***, S.C. Hung, C.B. Luo, J. Beilner, M. Kowarschik, W.F. Chu. Changes of Time-Attenuation Curve Blood Flow Parameters in Patients with and without Carotid Stenosis. *AJNR Am J Neuroradiol*. 2015;36(6):1176-1181. (SCI)
217. I.C. Lai, T.T. Wong, C.Y. Shiau, Y.W. Hu, D.M. Ho, K.P. Chang, **W.Y. Guo**, F.C. Chang, M.L. Liang, Y.Y. Lee, H.H. Chen, S.H. Yen, Y.W. Chen. Treatment results and prognostic factors for intracranial nongerminomatous germ cell tumors: single institute experience. *Childs Nerv Syst*. 2015;31(5):683-691. (SCI)
218. Y.Y. Lin, R.C. Lee, H.S. Tseng, C.A. Liu, **W.Y. Guo**, C.Y. Chang. Objective Measurement of Arterial Flow Before and After Transcatheter Arterial Chemoembolization: A Feasibility Study Using Quantitative Color-Coding Analysis. *Cardiovasc Intervent Radiol*. 2015;38(6):1494-1501.
219. C.B. Luo, F.C. Chang, M.M. Teng, **W.Y. Guo**, T.W. Ting. Transvenous embolization of Cavernous sinus dural arteriovenous fistula via angiographic occlusive inferior petrous sinus. *J Chin Med Assoc*. 2015;78(9):526-532.
220. L.J. Chen, I.C. Lai, T.T. Wong, S.C. Lin, D.M. Ho, K.P. Chang, **W.Y. Guo**, S.H. Yen, M.T. Chen, Y.W. Chen. Can mixed pure hepatocellular carcinoma and germinoma arise together in the brain? *J Chin Med Assoc*. 2015;78(9):562-566.
221. T.T. Wong, Y.L. Liu, D.M. Ho, K.P. Chang, M.L. Liang, H.H. Chen, Y.Y. Lee, F.C. Chang, S.C. Lin, T.R. Hsu, K.W. Chen, W.K. Kwang, W.Y. Hou, C.Y. Wang, S.H. Yen, **W.Y. Guo**, Y.W. Chen. Factors affecting survival of medulloblastoma in children : the changing concept of management. *Childs Nerv Syst*. 2015;31(10):1687-98.
222. F.C. Chang, C.B. Luo, J.F. Lirng, C.J. Lin, H.J. Lee, C.C. Wu, S.C. Hung, **W.Y. Guo**. Endovascular management of post-irradiated carotid blowout syndrome. *PLoS One*. 2015;10(10):e0139821.
223. W.H. Wang, C.C. Lee, H.C. Yang, K.D. Liu, H.M. Wu, C.Y. Shiau, **W.Y. Guo**, D.H. Pan, W.Y. Chung, M.T. Chen. Gamma knife radiosurgery for atypical and anaplastic meningiomas. *World Neurosurg*. 2016;87:557-564.
224. C.C. Wu, **W.Y. Guo***^c, W.Y. Chung, H.M. Wu. Angioarchitecture and posttreatment magnetic resonance imaging characteristics of brain arteriovenous malformations and long-term seizure control after radiosurgery. *World Neurosurg*. 2016;87:277-282.
225. C.P. Chen, C.R. Peng, T.Y. Chang, **W.Y. Guo**, Y.N. Chen, P.S. Wu, D.D. Town, W. Wang. Prenatal diagnosis of chromosome 8p23.1 microdeletion by array comparative genomic hybridization using uncultured amniocytes in a pregnancy associated with fetal partial corpus callosum agenesis and schizencephaly. *Taiwan J Obstet Gynecol*. 2015;54:(6):7970798.
226. C.C. Wu, **W.Y. Guo***^c, W.Y. Chung, H.M. Wu. Tumor pseudoprogression and true progression following gamma knife radiosurgery for recurrent ependymoma. *J Chin Med Assoc*. 2016;79:(5):2920298.
C.F. Lin, S.P. Hsu, C.J. Lin, **W.Y. Guo**, C.H. Liao, W.F. Chu, S.C. Hung, Y.S. Shih, Y.T. Lin. Prolonged cerebral circulation time is the best parameter for predicting vasospasm during initial CT perfusion in subarachnoid hemorrhagic patients. *PLoS One*. 2016;11(3):e0151772.
227. S.F. Hung, C.C. Wu, F.C. Chang, **W.Y. Guo**. Tophaceous gout in the nasal root: an unusual initial presentation. *Am J Med Sci*. 2016;351(3):321-322.
228. C.J. Lin, S.C. Hung, F.C. Chang, **W.Y. Guo***^c, C.B. Luo, M. Kowarschik, W.F. Chu, A.J. Liou. Finding the optimal deconvolution algorithm for MR perfusion in carotid stenosis: correlations with angiographic cerebral circulation time. *J Neuroradiol*. 2016;43(4):290-296.

229. C.Y. Hsu, H.L. Ho, S.C. Lin, M.H. Chen, S.P. Hsu, Y.S. Yen, **W.Y. Guo**, D.M. Ho. Comparative assessment of 4 methods to analyze MGMT status in a series of 121 glioblastoma. *Appl Immunohistochem Mol Morphol*. 2017;25(7):497-504.
230. C.J. Lin, **W.Y. Guo**, F.C. Chang, S.C. Hung, K.K. Chen, D.Z. Yu, C.H. Wu, J.K. Liou. Using Flat-Panel perfusion imaging to measure cerebral hemodynamics: a pilot feasibility study in patients with carotid stenosis. *Medicine (Baltimore)*. 2016;95(20):e3529.
231. C.C. Lee, J.P. Sheehan, H. Kano, B. Akpınar, R. Martinez-Alvarez, N. Martinez-Moreno, **W.Y. Guo**, L.D. Lunsford, K.D. Liu. Gamma knife radiosurgery for hemangioma of the cavernous sinus. *J Neurosurg*. 2017;126(5):1498-1505.
232. Y.Y. Lin, R.C. Lee*, **W.Y. Guo***, W.F. Chu, F.C. Wu, S. Gehrish. Quantitative real-time fluoroscopy analysis on measurement of the hepatic arterial flow during transcatheter arterial chemoembolization of hepatocellular carcinoma: comparison with quantitative digital subtraction angiography analysis. *Cardiovasc Intervent Radiol*. 2016;39(11):1556-1563
233. Y. Kuo, Y.Y. Lin, R.C. Lee, C.J. Lin, Y.Y. Chiou, **W.Y. Guo**. Comparison of image quality from filtered back projection, statistical iterative reconstruction, and model-based iterative reconstruction algorithms in abdominal computed tomography. *Medicine (Baltimore)*. 2016;95(31):e4456.
234. C.B. Luo, F.C. Chang, A.G. Wang, C.J. Lin, **W.Y. Guo**, T.W. Ting. Transvenous coil embolization of cavernous sinus dural arteriovenous fistula on a revised classification. *World Neurosurg*. 2016;95:357-367.
235. Y.H. Lee, C.C. Chen, S.K. Lee, C.Y. Chen, Y.L. Wan, **W.Y. Guo**, A. Cheng, W.P. Chan. Patients safety during radiological examinations: a nationwide survey of residency training hospitals in Taiwan. *BMJ Open*. 2016;6(9):e010756.
236. T.T. Wong, H.H. Chen, M.L. Liang, K.L. Y.S. Yang, D.M. Ho, K.P. Chang, Y.Y. Lee, S.C. Lin, T.R. Hsu, Y.W. Chen, S.H. Yen, F.C. Chang, **W.Y. Guo**, K.W. Chen, W.K. Kwang, W.Y. Hou, C.Y. Wang. Clinical considerations and surgical approaches for low-grade gliomas in deep hemispheric locations: thalamic lesions. *Childs Nerv Syst*. 2016;32(10):1895-1906.
237. C.H. Yang, T.H. Wu, C.J. Lin, Y.Y. Chiou, Y.C. Chen, M.H. Sheu, **W.Y. Guo**, C.F. Chiu. Knowledge-based iterative model reconstruction technique in computed tomography of lumbar spine lowers radiation dose and improves tissue differentiations with lower back pain. *Eur J Radiol*. 2016;85(10): 1757-1764.
238. **W.Y. Guo**, C.J. Lee, C.J. Lin, H.C. Yang, H.M. Wu, C.C. Wu, W.Y. Chung, K.D. Liu. Quantifying the cerebral hemodynamics of dural arteriovenous fistula in transverse sigmoid sinus complicated by sinus stenosis: a retrospective cohort study. *AJNR Am J Neuroradiol*. 2017;38 (1):132-138.
239. H.H. Yen, H.J. Chiou, Y.H. Chou, C.H. Chen, **W.Y. Guo**. Nodular Fasciitis: Sonographic-Pathologic Correlation. *Ultrasound Med Biol*. 2017;43(4):860-867
240. K.K. Chen, **W.Y. Guo***, H.C. Yang, C.J. Lin, C.F. Wu, S. Gehrish, M. Kowarschik, Y.T. Wu, W.Y. Chung. Application of Time-Resolved 3D Digital Subtraction Angiography to Plan Cerebral Arteriovenous Malformation Radiosurgery. *AJNR Am J Neuroradiol*. 2017;38 (4):740-746.
241. C.C. Wu, **W.Y. Guo***, W.Y. Chung, H.M. Wu, C.J. Lin, C.C. Lee, K.D. Liu, H.C. Yang. Magnetic resonance imaging characteristics and the prediction of outcome of vestibular schwannomas following Gamma Knife radiosurgery. *J Neurosurg*. 2017;10:1-8.
242. P.I. Huang, S.C. Lin, Y.Y. Lee, D.M. Ho, **W.Y. Guo**, K.P. Chang, F.C. Chang, M.L. Liang, H.H. Chen, Y.M. Liu, S.H. Yen, T.T. Wong, Y.W. Chen. Large cell/anaplastic medulloblastoma is associated with poor prognosis-a retrospective analysis at a single institute. *Childs Nerv Syst*. 2017;33(8):1285-1294.
243. C.C. Wu, **W.Y. Guo**, F.C. Chang, C.B. Luo, H.J. Lee, Y.W. Chen, Y.Y. Lee, T.T. Wong. MRI features of pediatric intracranial germ cell tumor subtypes. *J Neurooncol*. 2017;134(1):221-230.
244. Y.S. Hu, C.J. Lin, H.N. Wu, **W.Y. Guo**, C.B. Luo, C.C. Wu, W.Y. Chung, K.D. Liu, H.C. Yang, C.C. Lee. Lateral Sinus Dural Arteriovenous Fistulas: Sinovenous Outflow Restriction Outweighs Cortical Venous Reflux as a Parameter Associated with Hemorrhage. *Radiology*. 2017;285(2):528-535.
245. C.C. Lee, C.J. Chen, S.C. Chen, H.C. Yang, C.J. Lin, C.C. Wu, W.Y. Chung, **W.Y. Guo**, D.H.C. Pan, C.Y. Shiau, H.M. Wu. Gamma Knife surgery for clival epidural-osseous dural arteriovenous fistulas. *J Neurosurg*. 2017;16:1-8.
246. Y.S. Hu#, **W.Y. Guo#**, I.H. Lee, F.C. Chang, C.J. Lin, C.J. Lin, C.B. Luo, C.C. Wu, H.J. Lee. Prolonged cerebral circulation time is more associated with symptomatic carotid stenosis than stenosis degree or collateral

- circulation. *J Neurointerv Surg*. 2018;10(5):476-480.
247. Y.S. Hu, C.C. Lee, **W.Y. Guo**, C.J. Lin, H.C. Yang, H.M. Wu, K.D. Liu, W.Y. Chung. Trigeminal nerve atrophy predicts pain recurrence after Gamma Knife stereotactic radiosurgery for classical trigeminal neuralgia. *Neurosurg*. 2019;84(4):927-934.
 248. C.J. Lin, H.C. Yang, A.C. Chien, **W.Y. Guo**, C.C. Wu, S.C. Hung, K.K. Chen, H.M. Wu, C.B. Luo, W.F. Chu, J.S. Hong, C.S.F. Wu. In-room assessment of intravascular velocity from time-resolved rotational angiography in patients with arteriovenous. *J. Vasc Surg*. 2018;10(6):580-586.
 249. C.B. Luo, F.C. Chang, C.J. Lin, **W.Y. Guo**. A coil placement technique to treat intracranial aneurysm with incorporated artery. *J Chin Med Assoc*. 2018;81(3):255-261.
 250. H. Kano, A. Meola, H.C. Yang, **W.Y. Guo**, R. Martinez-Alvares, N. Martinez-Moreno, D. Urgosik, R. Liscak, O. Cohen-Inbar, J. Sheehan, J.Y.K. Lee, M. Abbassy, G.H. Barnett, D. Mathieu, D. Kondzioka, L.D. Lunsford. Stereotactic radiosurgery for jugular foramen schwannomas: an international multicenter study. *J Neurosurg*. 2017;10:1-9.
 251. C.C. Lee, C.J. Chen, S.T. Chong, S.C. Hung, H.C. Yang, C.J. Lin, C.C. Wu, W.Y. Chung, **W.Y. Guo**, D.H.C. Pan, H.M. Wu, C.P. Lin. Early stereotactic radiosurgery for medically refractory trigeminal neuralgia. *World Neurosurg*. 2018;112:e569-e575.
 252. Y.C. Chen, H.M. Wu, S.J. Chen, H.J. Lee, J.F. Lirng, C.J. Lin, F.C. Chang, C.B. Luo, **W.Y. Guo**. Intra-Arterial thrombolytic therapy is not a therapeutic option for filler-related central retinal artery occlusion. *Facial Plast Surg*. 2018;34(3):325-329.
 253. C.C. Lee, S.T. Chong, C.J. Chen, S.C. Hung, H.C. Yang, C.J. Lin, C.C. Wu, W.Y. Chung, **W.Y. Guo**, D.H.C. Pan, H.M. Wu, J.P. Sheehan, C.P. Lin. The timing of stereotactic radiosurgery for medically refractory trigeminal neuralgia: the evidence from diffusion tractography images. *Acta Neurochir*. 2018;160(5):977-986
 254. L.W. Chen, C.J. Lin, **W.Y. Guo***, S.C. Hung, H.J. Lee, K.K. Chen, F.C. Chang, C.B. Luo, W.F. Chu. Evaluating cerebral hemodynamics using quantitative digital subtraction angiography and flat-detector computed tomography perfusion imaging: A comparative study in patients with carotid stenosis. *J Chin Med Assoc*. 2018;81(11):977-984.
 255. F.Y. Pai, C.J. Chen, W.H. Wang, H.C. Yang, C.J. Lin, H.M. Wu, Y.C. Lin, H.S. Chen, Y.S. Yen, W.Y. Chung, **W.Y. Guo**, D.H.C. Pan, C.Y. Shiau, C.C. Lee. Low-Dose Gamma knife radiosurgery for acromegaly. *Neurosurg*. 2019;85(1):E20-E30.
 256. E.Y. Lin, R.C. Lee, **W.Y. Guo**, F.C. Wu, S. Gehrisch, M. Kowarschik. Three-Dimensional Quantitative Color-Coding Analysis of Hepatic Arterial Flow Change during Chemoembolization of Hepatocellular Carcinoma. *J. Vasc Interv Radiol*. 2018;29(10):1362-1368.
 257. H.Y. Lin, H.H.T Wu, P.K. Wu, C.L. Wu, P.C.H. Chen, W.M. Chen, **W.Y. Guo**. Can imaging distinguish between low-grade and dedifferentiated parosteal osteosarcoma? *J Chin Med Assoc*. 2018;81(10):912-919.
 258. C.C. Wu, R. Jain, A. Radmanesh, L.M. Poisson, **W.Y. Guo**, D. Zagzag, M. Snuderl, D.G. Placantonakis, J. Golfinos, A.S. Chi. Predicting genotype and survival in Glioma using standard clinical MR imaging apparent diffusion coefficient images: a pilot study from the cancer genome atlas. *AJNR Am J Neuroradiol*. 2018;39(10):1814-1820.
 259. W.Y. Yang, C.B. Luo, Y.S. Tsuei, **W.Y. Guo**, H.M. Wu, W.Y. Chung. A single-institution study of predisposing factors of patients with BAVMs to flow-related aneurysm. *J Formos Med Assoc*. 2019;118(3):707-712.
 260. B. Karlsson, H. Jokura, H.C. Yang, M. Yamamoto, R. Martinez, J. Kawagishi, **W.Y. Guo**, G. Beute, D.H.C. Pan, H. Aiyama, W.Y. Chung, M. Söderman. T.T. Yeo. The NASSAU(New ASSESSment of cerebral Arteriovenous Malformations yet Unruptured) analysis: are the results from the ARUBA trial also applicable to unruptured arteriovenous malformations deemed suitable for Gamma knife surgery? *Neurosurg*. 2019;85(1):E118-E124.
 261. B. Karlsson, B. Wu, **W.Y. Guo**, T.T. Yeo. Pseudocavernoma-a new diagnosis? *Acta Neurochir (Wien)*. 2019;161(1):57-61.
 262. S.J. Peng, C.C. Lee, H.M. Wu, C.J. Lin, C.Y. Shiau, **W.Y. Guo**, D.H.C. Pan, K.D. Liu, W.Y. Chung, H.C. Yang. Fully automated tissue segmentation of the prescription isodose region delineated through the Gamma knife plan for cerebral arteriovenous malformation (AVM) using fuzzy C-means (FCM) clustering. *Neuroimage Clin*. 2019;21:101608.
 263. B. Karlsson, A.V. [Johansson](#), H.C. Yang, H. [Jokura](#), M. [Yamamoto](#), R. [Martínez-Álvarez](#), J. [Kawagishi](#), **W.Y. Guo**, G. [Beute](#), D.H.C. Pan, W.Y. [Chung](#), M. [Söderman](#), H. Aiyama, T.T. [Yeo](#). A novel method to determine the natural course of unruptured brain arteriovenous malformations without the need for follow-up

- information. *J Neurosurg*. 2018;129(Suppl 1):10-16.
264. C.C. Lee, H.C. Yang, C.J. Chen, C.J. Lin, H.M. Wu, W.Y. Chung, C.Y. Shiau, **W.Y. Guo**, D.H.C. Pan. Empirical versus progression-guided stereotactic radiosurgery for non-functional pituitary macroadenomas after subtotal resection. *J Neurooncol*. 2019;142(2):291-297.
 265. C.C. Lee, H.C. Yang, C.J. Lin, C.J. Chen, H.M. Wu, C.Y. Shiau, **W.Y. Guo**, D.H.C. Pan, K.D. Liu, W.Y. Chung, S.J. Peng. Intervening nidus brain parenchyma and risk of Radiation-Induced changes after radiosurgery for brain arteriovenous malformation: a study using an unsupervised machine learning algorithm. *World Neurosurg*. 2019;125:e132-e138.
 266. C.A. Wu, H.C. Yang, Y.S. Hu, H.M. Wu, C.J. Lin, C.B. Luo, **W.Y. Guo**, C.C. Lee, K.D. Liu, W.Y. Chung. Venous outflow restriction as a predictor of cavernous sinus dural arteriovenous fistula obliteration after Gamma knife surgery. *J Neurosurg*. 2019;132:132-139.
 267. H.J. Lee, F.C. Chang, C.B. Luo, **W.Y. Guo**. Influence of stenting with open-cell stents vs close-cell stents on the outcomes of patients with bilateral carotid stenosis. *J Chin Med Assoc*. 2019;82(1):66-71.
 268. J.T. Chen, H.J. Lee, Y.W. Chen, M.L. Liang, H.H. Chen, Y.Y. Lee, J.F. Lirng, C.B. Luo, F.C. Chang, **W.Y. Guo**. Prognostic factors related to intratumoral hemorrhage in pediatric intracranial germ cell tumors. *J Chin Med Assoc*. 2019;82(2):133--137.
 269. W.F. Chu, H.J. Lee, C.J. Lin*, F.C. Chang, **W.Y. Guo***, L.W. Chen, Y.Y. Lin, C.B. Luo. Fluoroscopic angiography quantifies delay in cerebral circulation time and requires less radiation in carotid stenosis patients: A pilot study. *J Chin Med Assoc*. 2019;82(5):396--400.
 270. Y.S. Tsuei, C.B. Luo, L.Y. Fay, H.C. Yang, **W.Y. Guo**, H.M. Wu, W.Y. Chung, M.M.H. Teng. Morphologic change of flow-related aneurysms in brain arteriovenous malformations after stereotactic radiosurgery. *AJNR Am J Neuroradiol*. 2019;40(4):675-680.
 271. Y.C. Hung, C.C. Lee, **W.Y. Guo**, C.Y. Shiau, Y.C. Chang, D.H.C. Pan, J.P. Sheehan, W.Y. Chung. Gamma Knife radiosurgery for the treatment of cavernous sinus meningiomas: post-treatment long-term clinical outcomes, complications, and volume changes. *J Neurooncol*. 2019;143(2):261-270.
 272. T.M. Lin, H.C. Yang, C.C. Lee, H.M. Wu, Y.S. Hu, C.B. Luo, **W.Y. Guo**, Y.H. Kao, W.Y. Chung, C.J. Lin. Stasis index from hemodynamic analysis using quantitative DSA correlates with hemorrhage of supratentorial arteriovenous malformation: a cross-sectional study. *J Neurosurg*. 2019;26:1-9.
 273. H.C. Yang, C.J. Lin, C.B. Luo, C.C. Lee, H.M. Wu, **W.Y. Guo**, W.Y. Chung, K.D. Liu. Treatment outcomes of cavernous sinus dural arteriovenous fistulas: comparison of radiosurgery and endovascular embolization. *Clin Neuroradiol*. 2020;2:321-330.
 274. C.C. Lee, S.P.C. Hsu, C.J. Lin, H.M. Wu, Y.W. Chen, Y.H. Luo, C.L. Chiang, Y.S. Hu, W.Y. Chung, C.Y. Shiau, **W.Y. Guo**, D.H.C. Pan, H.C. Yang. Epidermal growth factor receptor mutations: association with favorable local tumor control following Gamma Knife radiosurgery in patients with non-small cell lung cancer and brain metastases. *J Neurosurg*. 2019;21:1-8
 275. Y.S. Hu, C.C. Lee, H.M. Wu, H.C. Yang, T.M. Lin, C.B. Luo, **W.Y. Guo**, W.Y. Chung, C.J. Lin. Stagnant venous outflow predicts brain arteriovenous malformation obliteration after Gamma Knife radiosurgery without prior intervention. *Neurosurgery*. 2020;87(2):338-347.
 276. C.C. Lee, W.H. Wang, H.C. Yang, C.J. Lin, H.M. Wu, Y.Y. Lin, Y.S. Hu, C.J. Chen, Y.W. Chen, C.C. Chou, Y.T. Liu, W.Y. Chung, C.Y. Shiau, **W.Y. Guo**, D.H.C. Pan, S.P.C. Hsu. Gamma Knife radiosurgery for cerebral cavernous malformation. *Sci Rep*. 2019;9(1):19743.
 277. C.Y. Huang, C.C. Lee, H.C. Yang, C.J. Lin, H.M. Wu, W.Y. Chung, C.Y. Shiau, **W.Y. Guo**, D.H.C. Pan, S.J. Peng. Radiomics as prognostic factor in brain metastases treated with Gamma Knife radiosurgery. *J Neurooncol*. 2020;146(3):439-449.
 278. Y.S. Hu, **W.Y. Guo**, C.J. Lin, H.M. Wu, C.B. Luo, C.A. Wu, C.C. Lee, H.C. Yang, K.D. Liu, W.Y. Chung. Magnetic resonance imaging as a single diagnostic tool for verifying radiosurgery outcomes of cavernous sinus dural arteriovenous fistula. *Eur J Radiol*. 2020;125:108866.
 279. F.C. Chang, C.B. Luo, C.P. Chung, K.H. Kuo, T.Y. Chen, H.J. Lee, C.J. Lin, J.F. Lirng, **W.Y. Guo**. Influence of vertebrobasilar stenotic lesion rigidity on the outcome of angioplasty and stenting. *Sci Rep*. 2020;10(1):3923.
 280. K.W. Yu, C.J. Lin, C.B. Luo, Y.Y. Lin, **W.Y. Guo**, F.C. Chang, I.H. Lee, C.J. Lin, C.P. Chung, C. Chien. Single-phase computed tomography angiography sufficiently predicts outcomes after mechanical thrombectomy. *J Chin Med Assoc*. 2020;83(5):478-483.
 281. Y.Y. Lin, H.M. Wu, H.C. Yang, C.J. Chen, C.J. Lin, Y.W. Chen, H.H. Chen, T.T. Wong, Y.S. Hu, W.Y. Chung, C.Y. Shiau, **W.Y. Guo**, D.H.C. Pan, C.C. Lee. Repeated Gamma Knife radiosurgery enable longer tumor control in cases of highly-recurrent intracranial ependymoma. *J Neurooncol*. 2020;148(2):363-372.

282. B. Karlsson, H. Jokura, H.C. Yang, M. Yamamoto, R. Martinez, J. Kawagishi, **W.Y. Guo**, G. Beute, W.Y. Chung, M. Söderman, T.T. Yeo. Clinical outcomes following cerebral AVM hemorrhage. *Acta Neurochir(Wien)*. 2020;162(7):1759-1766.
283. C.J. Lin, C.B. Luo, C. Chien, F.C. Chang, C.J. Lin, I.H. Lee, L.C. Hsu, C.P. Chung, H.Y. Liu, N.F. Chi, C.K. How, S.J. Wang, **W.Y. Guo**, Y.Y. Lin. Better endovascular mechanical thrombectomy outcome in atrial fibrillation patients with acute ischemic stroke: A single-center experience. *J Chin Med Assoc*. 2020;83(8):756-760.
284. W.S. Yuan, F.Y. Li, S.Y. Yu, Y.Y. Chen, C.J. Wu, H.C. Hsu, J.F. Lirng, **W.Y. Guo**. Evaluate the differences in CT features and serum IgG4 levels between lymphoma and immunoglobulin G4-Related disease of the orbit. *J Clin Med*. 2020;9(8):2425.
285. J.S. Hong, C.J. Lin, Y.H. Lin, C.C. Lee, H.C. Yang, L.H. Meng, T.M. Lin, Y.S. Hu, **W.Y. Guo**, W.F. Chu, Y.T. Wu. Machine learning application with quantitative digital subtraction angiography for detection of hemorrhagic brain arteriovenous malformations. *IEEE Access*. 2020;8:204573-204584.
286. J.H. Chen, M.H. Wu, C.B. Luo, J.F. Lirng, S.T. Chen, C.H. Wu, **W.Y. Guo**, F.C. Chang. Long-term imaging follow-up to evaluate restenosis in patients with carotid stenosis after angioplasty and stenting. *J Chin Med Assoc*. 2021;84(1):87-94.
287. W.K. Lee, C.C. Wu, C.C. Lee, C.F. Lu, H.C. Yang, T.H. Huang, C.Y. Lin, W.Y. Chung, P.S. Wang, H.M. Wu, **W.Y. Guo***, Y.T. Wu*. Combining analysis of multi-parametric MR images into a convolutional neural network: precise target delineation for vestibular schwannoma treatment planning. *ARTIF INTELL MED*. 2020;107:101911.
288. C. Chien, C.J. Lin, F.C. Chang, C.P. Chung, C.J. Lin, H.Y. Liu, N.F. Chi, L.C. Hsu, C.W. Tang, **W.Y. Guo**, C.B. Luo, Y.J. Lai, I.H. Lee. Quantitative CT angiography predicts large artery occlusion types and successful thrombectomy in acute ischemic stroke. *J Chin Med Assoc*. 2021;84(1):61-67.
289. Y. Sun, C.C. Liu, L.Y. Fan, C.T. Huang, T.F. Chen, C.J. Lu, **W.Y. Guo**, Y.C. Chang, M.J. Chiu. Incidence of and mortality due to human prion diseases in Taiwan: a prospective 20-year nationwide surveillance study from 1998 to 2017. *Clin Epidemiol*. 2020;12:1073-1081.
290. H.C. Yang, C.C. Wu, C.C. Lee, H.E. Huang, W.K. Lee, W.Y. Chung, H.M. Wu, **W.Y. Guo**, Y.T. Wu, C.F. Lu. Prediction of pseudoprogression and long-term outcome of vestibular schwannoma after Gamma Knife Radiosurgery based on preradiosurgical MR radiomics. *Radiother Oncol*. 2021;155:123-130.
291. Y.S. Hu, T.M. Lin, H.M. Wu, C.C. Lee, H.C. Yang, C.B. Luo, **W.Y. Guo**, W.Y. Chung, C.J. Lin. Stagnant venous outflow in ruptured arteriovenous malformations revealed by delayed quantitative digital subtraction angiography. *Eur J Radiol*. 2021;134:109455.
292. H.C. Yang, S.J. Peng, C.C. Lee, H.M. Wu, Y.W. Chen, C.J. Lin, C.Y. Shiau, **W.Y. Guo**, D.H.C. Pan, K.D. Liu, W.Y. Chung, Y.Y. Lin. Does the Diffuseness of the nidus affect the outcome of stereotactic radiosurgery in patients with unruptured cerebral arteriovenous malformations? *Stereotact Funct Neurosurg*. 2021;99(2):113-122.
293. K.K. Chen, C.J. Lin, **W.Y. Guo**, W.F. Chu, Y.T. Wu. Estimating blood flow velocity using time-resolved 3D angiography and derived physical law of contrast media. *Physiol Meas*. 2021;42(2):025007.
294. S.T. Chen, C.B. Luo, **W.Y. Guo**, F.C. Chang. Endovascular management of symptomatic stenosis of supra-aortic arteries in patients with Takayasu arteritis. *J Chin Med Assoc*. 2021;84(3):303-308.
295. C.C. Lee, W.K. Lee, C.C. Wu, C.F. Lu, H.C. Yang, Y.W. Chen, W.Y. Chung, Y.S. Hu, H.M. Wu, Y.T. Wu*, **W.Y. Guo.*** Applying artificial intelligence to longitudinal imaging analysis of vestibular schwannoma following radiosurgery. *Sci Rep*. 2021;11(1):3106.
296. L.Y. Lin, S.C. Lin, H.J. Lee, S.T. Chen, H.M. Wu, Y.W. Chen, H.H. Chen, C.B. Luo, **W.Y. Guo**, F.C. Chang. MRI findings for diagnosis of postoperative foreign body granulomas versus recurrent tumours in patients of brain tumour surgery. *Clin Radiol*. 2021;76(4):316.e19-316.e28.
297. T.W. Hsu, J.L. Fuh, D.W. Wang, L.F. Chen, C.J. Chang, W.S. Huang, H.M. Wu, **W.Y. Guo**. Disrupted metabolic connectivity in dopaminergic and cholinergic networks at different stages of dementia from 18 F-FDG PET brain persistent homology network. *Sci Rep*. 2021;11(1):5396.
298. H.C. Yang, H.M. Wu, S.J. Peng, C.C. Lee, Y.W. Chen, A.S. Kuan, C.Y. Shiau, I.C. Lai, **W.Y. Guo**, C.J. Lin, D.H.C. Pan, W.Y. Chung, K.D. Liu, Y.Y. Lin. The irradiated brain volume within 12 Gy is a predictor for Radiation-induced changes after stereotactic radiosurgery in patients with unruptured cerebral arteriovenous malformations. *Int J Radiat Oncol Biol Phys*. 2021 (In Press).
299. C.L. Chou, H.H. Chen, H.C. Yang, Y.W. Chen, C.J. Chen, Y.W. Chen, H.M. Wu, **W.Y. Guo**, D.H.C. Pan, W.Y. Chung, T.T. Wong, C.C. Lee. Effects of stereotactic radiosurgery versus conventional radiotherapy on body mass index in patients with craniopharyngioma. *J Neurosurg Pediatr*. 2021 (In Press).
300. F.C. Chang, T.T. Wong, K.S. Wu, C.F. Lu, T.W. Weng, M.L. Liang, C.C. Wu, **W.Y. Guo**, C.Y. Chen, K.L.C. Hsieh. Magnetic resonance radiomics features and prognosticators in different molecular subtypes of pediatric

medulloblastoma. *PLoS One*. 2021;16(7):e2055500.

301. J.H. Chen, M.H. Wu, C.B. Luo, J.F. Lirng, S.T. Chen, C.H. Wu, **W.Y. Guo**, F.C. Chang. Long-term imaging follow-up to evaluate restenosis in patients with carotid stenosis after angioplasty and stenting. *J Chin Med Assoc*. 2021;84(1):87-94.

B. Conference Papers and invited speeches

Hundreds of domestic and international conference papers since 1984

C. Monography and Book Chapters

001. **W.Y. Guo**, 1993, Radiological aspects of gamma knife radiosurgery for arteriovenous malformations and other nontumoural disorders of the brain. *Acta Radiologica* 34(suppl 388) (SCI)
002. L. Steiner, C. Lindquist, B. Karlsson, **W.Y. Guo**, M. Steiner, 1994, Gamma knife Radiosurgery in Cerebral Vascular Malformation. Edited by A. Pasqualin and R. Da Pian, pp473-485