

REFERENCES

1- Adams RD and Victor M.:

Principles of Neurology. 3rd ed. New York, McGraw-Hill Book Company, 1995.

2- Alford BR.:

Cerebello-pontine angle lesions, Department of otorhinolaryngology and communicative sciences, 1-5, 2002.

3- Alger JR.:

Magnetic resonance spectroscopy and neuro-oncology.

In: Weekend Educational Courses: MR Espectroscopia de prótin. Honolulu: International Society for Magnetic Resonance in Medicine. p.39-43. 2002.

4- AL-Shatoury HA.:

Posterior fossa tumors. E-Medicine Journal, November 7, volume 2, Number 11, 2001.

5- Ando K, Ishikura R and Morikawa T.:

Regional differences of in vivo proton MR spectroscopy in developing human brain. Nippon Igaku Hoshasen Gakkai Zasshi, 60:199—204, 2000.

6- Ando K, Ishikura R and Nagami Y.:

Usefulness of Cho/Cr ratio in protonMR spectroscopy for differentiating residual/recurrent glioma from non-neoplastic lesions. Nippon Igaku Hoshasen Gakkai Zasshi;64:121—26,2004.

- 7- **Armington WG, Osborn AG, Gubberley DA et al.:**
Supratentorial ependymoma: CT appearance Radiol: 157: 367-372, 1995.
- 8- **Atlas SW.:**
Magnetic Resonance Imaging of the Brain & spine. New York, Raven press, 1991.
- 9- **Auer DP, Gössl C, Schirmer T and Czisch M.:**
Improved analysis of 1H-MR spectra in the presence of mobile lipids. Magn Reson Med;46(3):615-8, 2001.
- 10- **Ayerbe J, Lobato RD, De la Cruz J et al.:**
Risk factors predicting recurrence in patients operated on for intracranial meningioma: a multivariate analysis. Acta Neurochir (Wien);141:921–932, 1999.
- 11- **Barba I, Moreno A, Martinez-Perez I et al.:**
Magnetic resonance spectroscopy of brain hemangiopericytomas: high myoinositol concentrations and discrimination from meningiomas. J Neurosurg; 94:55–60, 2001.
- 12- **Barker PB.:**
Cranial and intracranial tumors In: Woloertor S.M. and Barnes P.D.: MRI in pediatric Neuroradiology, Mosby yearbook, 1992.
- 13- **Barker PB.:**
Fundamentals of clinical MRS. In:. Weekend Educational Courses: MR spectroscopy. Honolulu: International Society for Magnetic Resonance in Medicine; p.1-9, 2005.

- 14- **Barker PB, Gillard JH, van Zijl PCM et al.:**
Acute stroke: Evaluation with serial proton MR spectroscopic imaging. *Radiology*, 192:723-732, 1994.
- 15- **Barkovich AJ.:**
Pediatric Neuroimaging, 3rd ed. Philadelphia, Lippincott Williams & Wilkins, pp 55—59, 168, 199—202, 2000.
- 16- **Barnes PD; Kupsy WJ and Strand RD.:**
Cranial and intracranial tumors In: Wolpert S.M. and Barnes P.D.: *MRI in pediatric Neuroradiology*, Mosby yearbook, 1992.
- 17- **Barr ML and Kiernan JA.:**
Brain stem, external anatomy in (*The human nervous system. An anatomical view point*) by Barr, M. L. and Kiernan, J. A. (eds). 5th ed. J.B. Lippincott Company, Philadelphia, London, Mexico City, New York St. Louis Sao Paulo, Sydney, P. 84-92, 1998.
- 18- **Becker RL, Becker AD and Soble DE.:**
Adult medulloblastoma: review of 13 cases with emphasis on MRI, *Neuroradiology*, 37: 90-108, 1995.
- 19- **Berger MS and Wilson CB.:**
Epidermoid cysts of the posterior fossa, *J Neurosurg*, 62: 214, 1995.
- 20- **Bilaniuk LT.:**
Adult infratentorial tumors. *Seminar in Roentgenology*, 12: 155-173, 1990.
- 21- **Bjornsson J, Wold LE, Ebersold MJ and Laws ER.:**
Chordoma of mobile spine. A clinicopathologic analysis of 40 patients. *Cancer*, 71: 735-740, 1993.

22- Blaser SI and Harwood-Nash DC.:

Neuroradiology of pediatric posterior fossa medulloblastoma. J Neurooncol, 29: 23-34, 1996.

23- Bonneville F, Sarrazin L, Dupueh KM, Iffenecker C, Cordolianis, Doyon D and Bonneville JF.:

Unusual lesion of cerebello-pontine angle: A segmental Approach. Radiographic, 21 (2): 419. 1-31, 2000.

24- Brackmann DE and Arriaga MA.:

Surgery of the posterior cranial fossa. In: Cummings CW, Fredrickson JM, Krause CJ, Harker LA, Schuller DE, eds. Otolaryngology: Head and Neck Surgery. 2nd ed. St Louis, Mo: Mosby-Year Book;3338–3352, 1993.

25- Bradley WG.:

Brain stem :Anatomy and pathology in “Magnetic Resonance Imaging” by stark D.D., and Bradley, W.G., (eds) 2nd ed. Mosby year book, 1st. Louis Balitmore, Boston, Chicago, London, Philadelphia, Sydney, Toronto, 603-634, 1992.

26- Brown JS.:

Glomus jugular tumors revisited: A ten year statistical follow-up of 231cases. Laryngoscope 95: 284-288, 1995.

27- Bruner JM, Tien RD and Enterline DS.:

Tumors of the meninges and related tissues. In: Bigner DD, et al: OP. Cit. PP: 69-139, 1998.

28- Bulakbasi N, Kocaoglu M, Ors F, Rayfun C and Ucoz T.:

Combination of single-voxel proton MR spectroscopy and apparent diffusion coefficient calculation in the evaluation of common brain tumors. AJNR; 24:225–233, 2003.

29- Burt AM.:

Textbook of Neuroanatomy. WB Saunders Co., Philadelphia, pp. 132-155,1993.

30- Burtscher IM, Skagerberg G, Geijer B, Englund E, Stahlberg F and Holtas S.:

Proton MR spectroscopy and preoperative diagnostic accuracy: an evaluation of intracranial mass lesions characterized by stereotactic biopsy findings. AJNR Am J Neuroradiol; 21:84–93, 2000.

31- Butzen J, Prost R, Chetty V et al.:

Discrimination between neoplastic and nonneoplastic brain lesions by use of proton MR spectroscopy: the limits of accuracy with a logistic regression model. AJNR Am J Neuroradiol;21:1213–1219, 2000.

32- Cakirer S.:

Juvenile pilocytic astrocytoma of the cerebellum, Eur. Rad., 19: 234-236, Jul, 2001.

33- Carles Majo's, MD Juli Alonso, PhD Carles Aguilera, MD Marta Serrallonga, MD Juan J. Acebes, MD, PhD Carles Aru's, PhD and Jaume Gili, MD, PhD.:

Adult Primitive Neuroectodermal Tumor: Proton MR Spectroscopic Findings with Possible Application for Differential Diagnosis. RSNA, 2002

34- Carpenter MB.:

Core text of neuroanatomy. 4th ed. Baltimore, Williams & Wilkins, 1991.

35- Castillo M and Kwock L.:

Proton MR spectroscopy of common brain tumors.
Neuroimaging Clinical North America 8:733-752, 2002.

36- Cecil KM:

Technical Aspects of Performing and Interpreting Proton MR spectroscopy (syllabus, Advanced Imaging Symposium: Preparing the neuroradiologist for the new millennium, pp 29—36). Paper presented at Annual Meeting of the American Society of Neuroradiology, April 2000 Atlanta.

37- Cha S, Knopp EA, Johnson G, et al.:

Dynamic contrast-enhanced T2-weighted MR imaging of recurrent malignant gliomas treated with thalidomide and carboplatin. AJNR Am J Neuroradiol;21:881–890, 2000.

38- Challa VR and Markes WR.:

Meningiomas: Pathology. In:Wilkins, R.H.; Rengachary, S.S.; ed. Neurosurgery. New York: Mc Graw-Hill, 613, 1998.

39- Chang L and Ernst T.:

Proton MRS to assess HIV-related brain diseases. In: Weekend Educational Courses: MR spectroscopy. Honolulu: International Society for Magnetic Resonance in Medicine; p.48-55, 2002.

40- Chusid JG.:

“Correlative Neuroanatomy and Functional neurology”. 18th edition, Lang medical publications, page 33-45, 1998.

41- Cordoliani YS, Derosier C, Pharaboz C et al.,:

Primary cerebral lymphoma in patients with AIDS: MR findings in 17 Cases. AJR., 159: 891-897, 1992.

- 42- **Courchesne E, Press VA, Murakami J et al.,:**
The cerebellum in sagittal plane-Anatomic-MR Correlation :1.
The vermis AJR, 153: 829-835, 1998.
- 43- **Dean B, Drayer BP, Beresini DC, et al.,:**
MR imaging of pericallosal lipoma, Am J. Neuroradiol 9: 929,
1998.
- 44- **De Edelenyi FS, Rubin C, Este`ve F et al.,:**
A new approach for analyzing proton magnetic resonance
spectroscopic images of brain tumors: nosologic images. Nat
Med; 6:1287–1289, 2000.
- 45- **Defini, R, Acqui M, Oppida, PA et al.,:**
Tumors of the lateral ventricles. Neurosurgery Revi. 14: 127-
133, 1991.
- 46- **Devos A, Lukas L, Suykens JA, et al.,:**
Classification of brain tumours using short echo time 1H MR
spectra. J Magn Reson;170:164–75, 2004.
- 47- **Doucet V, Peretti-Viton P, Manera L and Salamon G.:**
MRI of Intracranial chardomas. Extent of tumor and contrast
enhancement: criteria for differential diagnosis. Neuroradiology
39: 571-576, 1996.
- 48- **Dowling C, Bollen AW, Noworolski SM et al.,:**
Preoperative proton MR spectroscopic imaging of brain tumors:
correlation with histopathologic analysis of resection
specimens. AJNR Am J Neuroradiol;22:604–612, 2001.
- 49- **Dydak U, Lange T, Alexander AL et al.,:**
Pitfalls in lactate measurements with MRspectroscopy at high
field strength, presented American Society of Radiology 43rd
Annual Meeting; Toronto, Canada, May 21–27, 2005.

50- Edwards MSB, Wara WM, Circillo SG et al.,:

Focal brain stem astrocytomas causing symptoms of involvement of the facial nucleus: long-term survival in six pediatric cases. J Neurosurg. 80: 20-25, 1994.

51- Elester AD and Burdette JH.:

Safety and biological effects. Questions and answers in magnetic resonance imaging, Mosby year book: St. Louis; p. 287-307, 2001.

52- Farrar DJ, Flanigan TP, Gordon NM, Gold RL and Rich JD.:

Tuberculous brain abscess in a patient with HIV infection: case report and review. Am J Med;102:297–301, 1997.

53- Filippi M.:

Magnetic resonance techniques for the in-vivo assessment of multiple sclerosis pathology: consensus report of the White Matter Study Group. J Mag Reson Imaging;21:669–75, 2005.

54- Filling-Kartz MR, Choyke PL, Partons NJ et al.,:

Radiologic screening for Von-Hippel-Lindau disease The role of Gd-DTPA enhanced MRI of the central nervous system. J. Comp. Assist. Tomogr., 13: 743, 1997.

55- Flannigan BD.:

Posterior cranial fossa: Normal structure and Basic functional anatomy. In: Taveras, JM. and feracci (eds): Radiology, Diagnosis, Imaging, Interventional. J.B. Lippincott company, 1998.

56- Fountas KN, Kapsalaki EZ, Gotsis SD, et al.,:

In vivo proton magnetic resonance spectroscopy of brain tumors. Stereotact Funct Neurosurg;74:83–94, 2000.

- 57- **Fountas KN, Kapsalaki EZ, Vogel RL et al.:**
Noninvasive histologic grading of solid astrocytomas using proton magnetic resonance spectroscopy. *Stereotact Funct Neurosurg*;82:90–97, 2004.
- 58- **Fukui MB, Weissman JL, Curtin HD and Kanal E.:**
T2-weighted MR characteristics of internal auditory canal masses. *AJNR*;, 17:1211-8, 2006.
- 59- **Gado M and El-Yousef SJ.:**
Normal functional anatomy of the brain In: computed Tomography of the whole body, Haga J. R, & Alfidi R. J.,: 33-43, 1998.
- 60- **Gajewicz W, Papierz W, Szymczak W et al.:**
The use of proton MRS in the differential diagnosis of brain tumors and tumor-like processes. *Med Sci Monit*;9:MT97–105, 2003.
- 61- **Gajjar A, Sanford RA and Bhargava R.:**
Medulloblastoma with brain stem involvement, The impact of gross total resection on outcome. *Pediatric Neurosurg* 25: 182-187, 1996.
- 62- **Galanaud D, Le Fur Y, Nicoli F et al.:**
Regional metabolite levels of the normal posterior fossa studied by proton chemical shift imaging. *MAGMA*; 13:127–133, 2001.
- 63- **Garg M, Gupta RK, Husain N et al.:**
Brain abscesses: etiologic categorization with in vivo proton MR spectroscopy. *Radiology*;230:519–527, 2004.
- 64- **Ginsberg LE.:**
Neoplastic Diseases affecting the central skull base: CT and MR imaging. *AJR*, 159: 581-589, 2002.

65- Girardot C, Boukobza M, Lamoureux JP et al.,:

Choroid plexus papillomas in the posterior fossa in adults: MR imaging and gadolinium enhancement. *J. Neuroradiol.* 17: 303-318, 1990.

66- Goldsher D, Litt AW, Pinto RS et al.,:

“Dural tail” associated with meningiomas on Gd-DTPA enhanced MR images : characteristics, differential diagnostic value, and possible implications of treatment, *Radiol* 176: 447-450, 1990.

67- Gonen O, Catalata I, Babb JS et al.,:

Total brain N-acetylaspartate: A new measure of disease load in MS. *Neurology*, 54:15—19, 2000.

68- Gower DJ and Pollay M.:

Adverse postoperative events. In: Apuzzo, M.L.J. (ed.): *Brain surgery: Complication avoidance and management*. 1st ed. Churchill Livingstone Inc., 57: 1691-1698, 1993.

69- Grachev ID and Apkarian AV.:

Chemical heterogeneity of the living human brain: A proton MR spectroscopy study on the effects of sex, age and brain region. *Neuroimage*, , 11(5 part 1):554—563, 2000.

70- Griffin JL, Lehtimaki KK, Valonen PK et al.,:

Assignment of ¹H nuclear magnetic resonance visible polyunsaturated fatty acids in BT4C gliomas undergoing ganciclovir-thymidine kinase gene therapy-induced programmed cell death. *Cancer Res*;63:3195–201, 2003.

71- Gupta RK, Husain N, Kathuria MK, Datta S, Rathore RKS and Husain M.:

Magnetization transfer MR imaging is more close to histopathology than conventional MR imaging in intracranial tuberculomas. Proceedings of the Eighth Meeting of the International Society for Magnetic Resonance in Medicine. Berkeley, Calif: International Society for Magnetic Resonance in Medicine;1105, 2000.

72- Gupta RK, Kathuria M and Pradhan S.:

Magnetization transfer MR imaging in central nervous tuberculosis. AJNR Am J Neuroradiol;20:867–875, 1999.

73- Guthrie BL and Ebersold MJ.:

Neoplasms of intracranial meninges. In: youmans J.R.; Neurological surgery; third edition, volume five; W.B. Sanders Co.; Philadelphia, London, Tronto, 1990.

74- Haimes AB, Zimmerman RD, Morgello S et al.,:

MR imaging of brain abscess. AJNR Am J Neuroradiol;10:279–291, 1990.

75- Hall WA, Liu H, Maxwell RE et al.,:

Influence of 1.5-Tesla intraoperative MR imaging on surgical decision making. Acta Neurochir Suppl;85:29–37, 2003.

76- Hasso AN and Fahmy JL.:

Posterior fossa neoplasms in: Stark D.D and Bradely W.G: Magnetic Resonance Imaging Mosby, Year book, 1992.

77- Havlioglu N, Manepalli A and Grosso J.:

Primary anaplastic large cell lymphoma of the brain and spinal cord: Am J. Clin Pathol . 103: 496-506, 1995.

78- Helie O, Soulie D, Sarazin JL et al.,:

Magnetic Resonance Imaging of meningiomas of the posterior cranial fossa. 31 cases: J.N neuroradiol: 22(4): 252- 270, 1995.

79- Herminghaus S, Dierks T, Pilatus U et al.,:

Determination of histopathological tumor grade in neuroepithelial brain tumors by using spectral pattern analysis of in vivo spectroscopic data. J Neurosurg;98:74–81, 2008.

80- Hicks RJ, Hesselink JR, Wismer GL and Davis KR.:

Brain: Vascular diseases and neoplasia in "Clinical magnetic Resonance Imaging" by Edelman, R.R., Hesselink, J.R., Newhouse, J. and Philadelphia, London, Toronto, Montreal, Sydney, Tokyo, P.: 449-577, 1990.

81- Howe FA, Barton SJ, Cudlip SA et al.,:

Metabolic profiles of human brain tumors using quantitative in vivo ¹H Magnetic resonance spectroscopy. Magn Reson Med;49:223–232, 2003.

82- Hsu Y. Y., Chang C. N., Wie K. J., Lim K. E., HsuW. C. and Jung S. M.:

Proton magnetic resonance spectroscopic imaging of cerebral gliomas: correlation of metabolite ratios with histopathological grading. Chang Gung Med. J., 27, 399—407, 2004.

83- Huang Y, Lisboa PJ and El-Deredy W.:

Tumour grading from magnetic resonance spectroscopy: a comparison of feature extraction with variable selection. Stat Med;22:147–64, 2003.

84- Isobe T, Matsumura A, Anno I et al.,:

Changes in ¹H-MRS in glioma patients before and after irradiation: the significance of quantitative analysis of choline-containing compounds [in Japanese]. No Shinkei Geka; 31:167–172, 2003.

85- Jansen JFA, Backes WH, Nicolay K et al.,:

H1 MR spectroscopy of the brain: Absolute qualification of metabolites. Radiology; 2403 (2): 318-332, 2006.

86- John R. Haaga, Charles f. Lanzieri and Robert C. Gilkeson.:

CT and MR imaging of the whole body.. chapter 11, p.371:393, 2002.

87- Kadota O, Kohno K, Ohue S, Kumon Y, Sakaki S, Kikuchi K et al.,:

Discrimination of brain abscess and cystic tumor by in vivo proton magnetic resonance spectroscopy. Neurol Med Chir;41(3):121-6, 2001.

88- Kaminogo M, Ishimaru H, Morikawa M, Suzuki Y and Shibata S.:

Proton MR spectroscopy and diffusion-weighted MR imaging for the diagnosis of intracranial tuberculomas: report of two cases. Neurol Res;24:537–543, 2002.

89- Kariya S, Nishizaki KI, Aoji K and Akagi H.:

Primary malignant lymphoma in the cerebello-pontine angle. The Journal of Laryngology and Otolopy, May, Vol. 112, pp, 476-479, 1998.

90- Kazner E, Wende S, Grumme T et al.,:

Computed Tomography & Magnetic Resonance Tomography of intracranial tumors. Berlin, Springer Verlag, 1998.

91- Kim Bong- Soo, Chanland Roon Prapunt RP, Victoria LMS, Karl F and George IJ.:

Annals of Neurosurgery (The current management & intracranial ependymomas in children) 2 (3), July, 2002.

92- Kleihues P., Burger P. C., Collins V. P., Newcomb E. W., Ohgaki H and Cavenee W. K.:

Glioblastoma. In: Pathology and Genetics of Tumors of the Nervous System. World Health Organization classification of tumors, Chapter 1, pp. 29—39, IARC Press, Lyon (2000b).

93- Kleihues P., Davis R. L., Ohgaki H., Burger P. C., Westphal M. M. and Cavenee W. K.:

Diffuse astrocytoma. In: Pathology and Genetics: Tumors of the Nervous system. World Health Organization classification of tumours, Chapter 1, pp. 22— 26, IARC Press, Lyon (2000a).

94- Kucharczyk W.:

MRI of the central Nervous system J.D. Lippincott Philadelphia Gower medical publishing, 1990.

95- Kumar AJ., Lee YY., Zinreich J. and Leeds N.:

Imaging features of skull base tumors: Neuroimaging clinical of North America: 3: 715-733, 1993.

96- Kumon Y, Sakaki S, Oheue S et al.,:

Usefulness of heavily T2 weighted magnetic resonance imaging in patients with cerebellopontine angle tumors. Neurosurgery, Dec, 43 (6): 1338-43, 1998.

97- Lai PH, Ho JT, Chen WL et al.,:

Brain abscess and necrotic brain tumor: discrimination with proton MR spectroscopy and diffusion weighted imaging. AJNR Am J Neuroradiol;23:1369–1377, 2002.

98- Lanzieri CF.:

MR imaging of the cranial nerves, AJR, 154: 1264, 1990.

99- Last RJ.:

Anatomy regional and applied: Churchill living stone, part 2p. 603-615, 1999.

100- Latchaw RE, Hogg JP and Paintu MJ.:

Congenital anomalies of the brain. In: Latchaw R.E.; MR and CT imaging of the head, neck and spine, second ed; volume 2. Mosby year Book, St. Louis, 1991.

101- Lau DW, Klein NC and Cunha BA.:

Brain abscess mimicking brain tumor. Heart Lung;18:634–637, 1998.

102- Law M, Cha S, Knopp EA et al.,:

High-grade gliomas and solitary metastases: differentiation by using perfusion and proton spectroscopic MR imaging. Radiology;222:715–721, 2002.

103- Law M, Yang S, Wang H et al.,:

Glioma grading: sensitivity, specificity, and predictive values of perfusion MR imaging and proton MR spectroscopic imaging compared with conventional MR imaging. AJNR AmJ Neuroradiol; 24:1989–98, 2003.

- 104- **Lawrence N, Andrew J and Diane MT.:**
Cerebellar Hemangioblastoma Complicating pregnancy. The Journal of Reproductive Medicine, Inc; 40: 662-664, 2002.
- 105- **Lee Y, Van Tassel P, Bruner JM et al.,:**
Juvenile pilocytic astrocytomas: CT and MR characteristics, AJNR 10: 363-370, 1998.
- 106- **Lenkinski RE.:**
MR spectroscopy: clinical tool or research probe? (revisited). Acad Radiol; 8:567–570, 2001.
- 107- **Levy RA, Mila, Karin M and Patricia L. Robertson.:**
Desmoplastic Medulloblastoma: MR findings. American Society of Neuroradiology AJNR, 18: 1364: 1366, Aug., 1997.
- 108- **Lichy MP, Henze M, Plathow C et al.,:**
[Metabolic imaging to follow stereotactic radiation of gliomas—the role of ¹HMR spectroscopy in comparison to FDGPET and IMT-SPECT]. Rofo; 176:1114–21, 2004.
- 109- **Lizak L. and Woodruff W.W.:**
Posterior fossa Neoplasms. Multiplanar imaging seminars in US, CT & MRI. 3, 182-206, 1992.
- 110- **Loevner L.:**
Seminars in Roentgenology, Vol XXX, IV, No 2 (April), (pp 84-101), 1999.
- 111- **Louis DN, Scheithauer BW, Budka H, von Deimling A and Kepes JJ.:**
Meningiomas. In: Kleihues P, Cavenee WK, eds. World Health

Organization Classification of Tumours: Pathology and Genetics of Tumours of the Central Nervous System. Lyon: IARC Press; 176–184, 2000.

112- Mader I, Roser W, Kappos L et al.,:

Serial proton MR spectroscopy of contrast-enhancing multiple sclerosis plaques: Absolute metabolic values over 2 years during a clinical pharmacological study. *AJNR Am J Neurodiol*, 21:1220— 1227, 2000.

113- Majos C, Alonso J, Aguilera C et al.,:

Adult primitive neuroectodermal tumor: proton MR spectroscopic findings with possible application for differential diagnosis. *Radiology*;225:556–66, 2002.

114- Majos C, Alonso J, Aguilera C et al.,:

Utility of proton MR spectroscopy in the diagnosis of radiologically atypical intracranial meningiomas. *Neuroradiology*;45:129–36, 2003.

115- Majos C, Julia-Sape M, Alonso J et al.,:

Brain tumor classification by protonMR spectroscopy: comparison of diagnostic accuracy at short and long TE. *AJNR Am J Neuroradiol*;25:1696–704, 2004.

116- Mamelak AN, Mampalam TJ, Obana WG and Rosenblum ML.:

Improved management of multiple brain abscesses: a combined surgical and medical approach. *Neurosurgery*;36:76–85, 2000.

117- Mark D. Krieger, M.D., Ashok Panigrahy, M.D., J. Gordon Mccomb, M.D., Marvin D. Nelson, M.D., Xiaodong Liu, M.D.,

PH.D., Ignacio Gonzalez-Gomez, M.D., Floyd Gilles, M.D., and Stefan Bluml, PH.D.:

Differentiation of choroid plexus tumors by advanced magnetic resonance spectroscopy. *Neurosurg Focus* 18 (6a): E4, 2005.

118- Martin IV, Pierot L and Sterkers O.:

Primary choroid plexus papilloma of the cerebello-pontine angle: MR imaging. *Neuroradiology*, 31: 591-543, 1990.

119- Matsushima T, Rhoton AL JR, De Oliveira E and Peace D.:

Microsurgical anatomy of the veins of the posterior fossa. *J Neurosurg* 59: 63-105, 1998.

120- Maudsley AA.:

Spectroscopic imaging. In: Weekend Educational Courses: MR spectroscopy. Honolulu: International Society for Magnetic Resonance in Medicine; p.7-23, 2002.

121- McDermott MW, Bernstein M and Berger MS.:

Essentials in Neuro-Oncology New York: Thieme Medical Publishers;2000

122- McKnight TR, Von dem Bussche MH, Vigneron DB et al.:

Histopathological validation of a three-dimensional magnetic resonance spectroscopy index as a predictor of tumor presence. *J Neurosurg*;97:794–802, 2002.

123- Meng Law, Stanley Yang, Hao Wang, James S. Babb, Glyn Johnson, Soonmee Cha, Edmond A. Knopp and David Zagzag.:

Glioma Grading: Sensitivity, Specificity, and Predictive Values of Perfusion MR Imaging and Proton MR Spectroscopic Imaging Compared with Conventional MR Imaging. *AJNR Am J Neuroradiol*, November/December, 24:1989–1998, 2003.

- 124- **Meyerand ME, Pipas JM, Mamourian A et al.,:**
Classification of biopsy-confirmed brain tumors using single-voxel MR spectroscopy. *AJNR Am J Neuroradiol*, 20:117-123, 1999.
- 125- **Meyers SP, Wildenhain SL, Chong JK et al.,:**
Post operative evaluation for disseminated medulloblastoma involving the spine: Contrast enhanced MR findings, CSF cytologic Analysis, Tinning of disease occurrence, and patient outcome. *AJNR*, 21: 1757-1765, 2000.
- 126- **Miller DH, Filippi M, Fazekas F et al.,:**
Role of magnetic resonance imaging within diagnostic criteria for multiple sclerosis. *Ann Neurol*;56:273–78, 2004.
- 127- **Miller DH, Thompson AJ and Filippi M.:**
Magnetic resonance studies of abnormalities in the normal appearing white matter and grey matter in multiple sclerosis. *J Neurol*;250:1407–19, 2003.
- 128- **Mineura K, Sawataishi J, Sasajima T et al.,:**
Primary central nervous system involvement of the so-called peripheral T-cell lymphoma. Report of a case and review of the literature. *Neurooncol* 16(3): 235-242, 1993.
- 129- **Mishra AM, Gupta RK, Jaggi RS et al.,:**
Role of diffusion-weighted imaging and in vivo proton magnetic resonance spectroscopy in the differential diagnosis of ring-enhancing intracranial cystic mass lesions. *J Comput Assist Tomogr*;28:540–47, 2004.

- 130- **Modic MT W, Einstein MA, Pavlicek A et al.,:**
Magnetic Resonance Imaging of The Cervical Spine: technical and clinical observations. AJNR 4: 1161-1166, 1998.
- 131- **Moffat DA and Ballagh RH.:**
Rare tumors of the cerebello-pontine angle. Clinical oncology 7: 28-41, 1995.
- 132- **Moller-Hartmann W, Herminghaus S, Krings T et al.,:**
Clinical application of proton magnetic resonance spectroscopy in the diagnosis of intracranial mass lesions. Neuroradiology;44:371– 381, 2002.
- 133- **Moonen CTW, Van Zijl PCM, Frank JA et al.,:**
Comparisons of single shot localization methods (STEAM and PRESS) for in vivo proton NMR spectroscopy. NMR biomed, 2:201—208, 1999.
- 134- **Murphy M, Loosemore A, Clifton AG et al.,:**
The contribution of proton magnetic resonance spectroscopy (1HMRS) to clinical brain tumour diagnosis. Br J Neurosurg;16:329–34, 2002.
- 135- **Nafe R, Herminghaus S, Raab P et al.,:**
Preoperative proton-MR spectroscopy of gliomas– correlation with quantitative nuclear morphology in surgical specimen. J Neurooncol;63:233–45, 2003.
- 136- **Naheedy MH.:**
Normal CT and MRI anatomy of the brain: Computed Tomography And Magnetic Resonance Imaging of the whole body, edited by Haga J.R & Alfid. R.J.P 75-102, 1994.

137- Naidich TP and Zimmerman RA.:

Primary brain tumors in children. Semin Roentgenol 19: 100-114, 1994.

138- Nelson SJ:

MR Spectroscopy in adults: Current and future applications (syllabus, Advanced Imaging Symposium: Preparing the neuroradiologist for the new millennium, pp 37—43). Presented at the American Society of Neuroradiology Annual Meeting, Atlanta, April 2000.

139- Nelson SJ.:

Analysis of volume MRI and MR spectroscopic imaging data for the evaluation of patients with brain tumors. Magn Reson Med;46:228–239, 2001.

140- Nelson SJ.:

Multivoxel magnetic resonance spectroscopy of brain tumors. Mol Cancer Ther;2:497–507, 2003.

141- Neumann HPH, Lips CJM, Hsia YE and Zbar B.:

Von Hippel - Lindau syndrome. Brain pathol. 5: 181-93,1999.

142- Nishimura T, Uchida Y, Fukuoka M, Ono Y, Kurisaka M and Mori K.:

Cerebello-pontine angle lymphoma: A case report and review of the literature. Surg Neurol; 50-480-6, 1998.

143- Norfray J, Byrd SE and Schwalm CA.:

Magnetic resonance spectroscopy. In: McLone DG, ed. Pediatric neurosurgery. Philadelphia: WB Saunders; p.1189-203, 2001.

144- Nottle J.:

The human brain: An introduction to its functional anatomy. 3rd ed. St. Louis; Mosby- Yearbook, 1993.

145- Nutt CL, Mani DR, Betensky RA et al.,:

Gene expression-based classification of malignant gliomas correlates better with survival than histological classification. Cancer Res;63:1602–7, 2003.

146- Ojemann RG.:

General considerations. In: Apuzzo, M.L.J (ed): Brain Surgery: Complication avoidance and management, 1st ed. Churchill Livingstone Inc., 59: 1711-1726, 1993.

147- Okazaki H.:

Fundamentals of neuropathology 2nd.ed. New York. Lgaku-Shoin: 204-219, 1998.

148- Opstad KS, Murphy MM, Wilkins PR et al.,:

Differentiation of metastases from high-grade gliomas using short echo time 1H spectroscopy. J Magn Reson Imaging;20:187–92, 2004.

149- Park SH, Chang KH, Song IC, Kim YJ, Kim SH and Han

MH.:

Diffusion-weighted MRI in cystic or necrotic intracranial lesions. Neuroradiology;42:716–721, 2000.

150- Pirzkall A, Li X, OhJ et al.,:

3DMRSI for resected high-grade gliomas before tumor extent according to metabolic activity in relation to MRI. Int J Radiat Oncol Biol Phys;59:126–37, 2004.

- 151- **Plotkin M, Eisenacher J, Bruhn H et al.,:**
123I-IMT SPECT and 1HMR-spectroscopy at 3.0 T in the differential diagnosis of recurrent or residual gliomas: a comparative study. *J Neurooncol*;70:49–58, 2004.
- 152- **Pojunas KW.:**
Posterior fossa (In) Daniels D.L., Haughton V.M.& Naidich T.P.(eds): *Cranial and spinal Magnetic Resonance Imaging. An Atlas and Guide*, Raven Press, 1990.
- 153- **Pomeranz SJ.:**
Posterior fossa, skull base, cranio-cervical Junction in pomeranz, s. j. ed. *Craniospinal magnetic resonance imaging*. Philadelphia Saunders, 1998.
- 154- **Pomeroy SL, Tamayo P, Gaasenbeek M et al.,:**
Prediction of central nervous system embryonal tumour outcome based on gene expression. *Nature (Lond)*;415:436–42, 2002.
- 155- **Post, M.J.D., Tate, L.G., Quencer, R. M. et al.,:**
CT, MR and pathology in HIV encephalitis and meningitis. *American Journal of Neuroradiology*, 9, 469–473, 1998.
- 156- **Potts DG, Abbott GF and Von Speidern JV.:**
National Cancer institute study: Evaluation of computed tomography in the diagnosis of intracranial neoplasm 111-Metastatic tumors, *Radiology*, 136: 657-664, 1997.
- 157- **Press GA, Murakami J, Courchesne E et al.,:**
The Cerebellum: Anatomic- MR Correlation in the coronal plane. *AJR*, 154: 593-602, 1990.

- 158- **Pu Y, Li QF, Zeng CM et al.:**
Increased detectability of alpha brain glutamate/glutamine in neonatal hypoxic-ischemic encephalopathy. *AJNR Am J Neuroradiol*, 21:203—212, 2000.
- 159- **Radner-G and Dross-PE.:**
Del Medicine-Journal, 69 (9): 467- 9, Sep, 1997.
- 160- **Rakesh K. Gupta, Davender K. Vatsal, Nuzat Husain, Sanjeev Chawla, Kashi N. Prasad, Raja Roy, Rajesh Kumar, Deepak Jha and Mazhar Husain.:**
Differentiation of Tuberculous from Pyogenic Brain Abscesses with In Vivo Proton MR Spectroscopy and Magnetization Transfer MR Imaging. *AJNR Am J Neuroradiol*, 22:1503–1509, September, 2001.
- 161- **Remley KB.:**
Skull Base and Temporal Bone, in Edelman, Hesselink, and Zlatkin, eds., *clinical Magnetic Resonance imaging*, Saunders, Philadelphia, pp. 1021-1066, 1996.
- 162- **Resche F, Moisan JP, Mantoura J, De Kersaint- Gilly A, Andre MJ, Perrin-Resche I et al.:**
Haemangioblastomas, haemangioblastomatosis and von Hippel-Lindau disease. *Adv. Techn stand Neurosurg*, 20: 197-303, 1996.
- 163- **Richard S, Campello C, Taillandier L, Parker F and Resche F.:**
Haemangioblastoma of the central nervous system in von Hippel-Lindau disease (Minisymposium: MEN & VHL). *J Intern. Med*, 243: 547-53, 1998.

- 164- **Robertson PL, Muraszko KM, Brunberg JA et al.:**
Pediatric brain tumors: *pediatr Neurosurg*, 22: 65-73, 1998.
- 165- **Rock JP, Hearshen D, Scarpace L et al.:**
Correlations between magnetic resonance spectroscopy and image-guided histopathology, with special attention to radiation necrosis. *Neurosurgery*; 51:912–919, 2006.
- 166- **Rollins NK, Perry N and Kenneth N Shapiro.:**
The use of Early postoperative MR in Detecting Residual Juvenile cerebellar pilocytic Astrocytoma. *AJNR Am J Neuroradiol* 19: 151-156, January, 1998.
- 167- **Rorke L, Gilles F and Davis R.:**
Revision of the WHO classification of brain tumors for children, *cancer*, 56: 1889-1892, 1995.
- 168- **Ross BD:**
A biochemistry primer for neuroradiologists (syllabus, Advanced Imaging Symposium: Preparing the neuroradiologist for the new millennium, pp 13—27). Paper presented at the Annual Meeting of the American Society of Neuroradiology, Atlanta, April 2000.
- 169- **Rovira A, Pericot I, Alonso J, Rio J, Grive E and Montalban X.:**
Serial diffusion-weighted MR imaging and proton MR spectroscopy of acute large demyelinating brain lesions: case report. *AJNR Am J Neuroradiol*;23(6):989-94, 2002.
- 170- **Ruggieri PM.:**
Practical MR spectroscopy in pediatric neuroradiology (syllabus, Advanced Imaging Symposium: Preparing the neuroradiologist for the new millennium, pp 45—53). Paper presented at the Annual Meeting of the American Society of Neuroradiology, Atlanta, April 2000.

171- Russel DS and Rubinstein LJ.:

Pathology of tumors of the nervous system, 5th ed. Baltimore, Williams & Wilkins, 1998.

172- Rutkoski T, Tarnawski R, Sokol M and Maciejewski B.:

Proton-MR spectroscopy of normal brain tissue before and after postoperative radiotherapy because of primary brain tumors. Int J Radiat Oncol Biol Phys; 56:1381–1389, 2003.

173- Scarabino T, Popolizio T, Bertolino A and Salvolini U:

Proton magnetic resonance spectroscopy of the brain in pediatric patients. Eur J Radiol, 30:142-153, 1999.

174- Schnitzlein HN and Mutagh FR.:

Imaging anatomy of the head and spine urban and Schwarzenberg Baltimore-Munich, 1998.

175- Schoeman JF, Morkel A, Seifart HI et al.,:

Massive posterior fossa tuberculous abscess developing in a young child treated for miliary tuberculosis. Pediatr Neurosurg;29:64–68, 1998.

176- Sekhar LN and Jannetta P.J.:

CPA meningiomas. Microsurgical excision & follow-up results J. Neurosurg 16: 500-505, 1994.

177- Shin JH, Lee HK, Kwun BD et al.,:

Using relative cerebral blood flow and volume to evaluate the histopathologic grade of cerebral gliomas: preliminary results. Am J Roentgenol;179:783–789, 2002.

178- Smith RR.:

Brainstem tumors. Seminars in Roentgenology 3: 249-262, 1990.

179- Simirniotopoulos JG.:

Posterior fossa masses: Differential Diagnosis and Radiologic-Pathologic Correlation. Armed Forces Institute of Pathology, Washington 2003.

180- Simirniotopoulos JG, Yue NC and Rubsbing EJ.:

Cerebello - pontine angle masses: Radiologic - pathologic correlation. Radiographics 13: 1131-1197, 1993.

181- Snell RS.:

Clinical anatomy for medical students. By Little and Brown Company Inc. 4th (eds.), chapter 5, part II, 1999.

182- Spoto GP, Press GA, Hesselink JR et al.,:

Intracranial ependymoma and subependymoma: MR manifestations, AJR, 154: 837, 1990.

183- Tamperi D, Melanson D and Ethier R.:

MR imaging of epidermoid cysts. AJNR, 10: 351-356, 1998.

184- Tan TY and Teh HS.:

Contrast- enhanced magnetic resonance imaging of the internal auditory canals and posterior fossa Annals, Academy of Medicine, Singapore, 27: 168-72, 1998.

185- Tate AR, Majos C, Moreno A et al.,:

Automated classification of short echo time in in vivo 1H brain tumor spectra: a multicenter study. Magn Reson Med;49:29–36, 2003.

186- Thanson L, Patsalides A, Galani P, Karra P and Mylona S.:

Ruptured intracranial dermoid cyst. Euro. Rad. 17: 16-19, 2000.

- 187- **Traber F, Block W, Flacke S et al.,:**
[1H-MR Spectroscopy of brain tumors in the course of radiation therapy: use of fast spectroscopic imaging and single voxel spectroscopy for diagnosing recurrence]. *Rofo*;174:33–42, 2002.
- 188- **Tracy S and Entremont D.:**
Posterior fossa tumors *Medicine Journal*, volume 3, Number 3, March 26, 2002.
- 189- **Trittmacher S, Traupe H and Schmid A.:**
Pre & postoperative changes in brain tissue surrounding a meningioma. *Neurosurgery* 22: 882-885, 1998.
- 190- **Tzika A, Astrakas L, Kieran M, Zurakowski D, Zarifi M and Poussaint T.:**
Choline to n-acetylaspartate ratio is predictive of pediatric brain tumor progression. *Radiology*;221(Suppl):488, 2001.
- 191- **Tzika AA, Astrakas LG, Zarifi MK et al.,:**
Multiparametric MR assessment of pediatric brain tumors. *Neuroradiology*;45:1–10, 2003.
- 192- **Tzika AA, Cheng LL, Goumnerova L et al.,:**
Biochemical characterization of pediatric brain tumors by using in vivo and ex vivo magnetic resonance spectroscopy. *J Neurosurg*;96:1023–31, 2002.
- 193- **Valavanis A, Schubiger, O, Hayek J et al.,:**
CT of meningiomas on the posterior surface of the petrous bone. *Neuroradiology* 22: 111, 1998.
- 194- **Valente M, Peterein J, Goebel J and Neely JG.:**
Four cases of acoustic neuromas with normal hearing . *J Am Acad Audiol*; 6(3): 203-10, 1995.

- 195- **W**atanabe T, Nakamura M, Kros JM et al.,:
Phenotypes versus genotype correlation in oligodendrogliomas and low grade diffuse astrocytomas. *Acta Neuropathol (Berl)*;103:2671–2675, 2002.
- 196- **W**ilken B, Dechent P, Herms J et al.,:
Quantitative proton magnetic resonance spectroscopy of focal brain lesions. *Pediatr Neurol*; 23:22–31, 2000.
- 197- **W**ong JC, Provenzale JM and Petrella JR.:
Perfusion MR imaging of brain neoplasms. *Am J Roentgenol*;174:1147–1157, 2007.
- 198- **Y**ang D, Korogi Y, Sugahara T et al.,:
Cerebral gliomas: prospective comparison of multivoxel 2D chemical- shift imaging proton MR spectroscopy, echoplanar perfusion and diffusion-weighted MRI. *Neuroradiology*;44:656–666, 2002.
- 199- **Y**asagil MG, Abernathey CD and Sariogla AC.:
Microneurosurgical treatment of intracranial dermoid & epidermoid tumours, *Neurosurgery* 25: 561-567, 1998.
- 200- **Y**ousefzadeh DK and Naidich TP.:
US anatomy of the posterior fossa in children : correlation with brain section. *Radiology* 156: 353-361, 1998.
- 201- **Z**ee CS, Segall HD and Nelson M.:
Infratentorial tumors in children. *Neuroimaging clinics of North America*. 3: 705-713. 1993.