

5. IRODALOMJEGYZÉK

A. A pályázatban felhasznált saját közlemények jegyzéke:

1. a. **Julow J**, Slowik F, Kelemen T, Gorácz I: Az agy postirradiations necrosis. Ideggyógyászati Szemle 30:529-539, 1977.
b. **Julow J**, Slowik F, Kelemen I, Gorácz I: Late post Irradiation necrosis of the Brain. Acta Neurochirurgica (Wien) 46:135-50, 1979. **IF: 0.594**
2. a. **Julow J**, Lányi F, Hajda M, Sinkovics M, Arany I, Tóth Sz, Pásztor E: A craniopharyngeomás cysták üregi sugárkezelése ⁹⁰Yttrium szilikát kolloiddal. Ideggyógyászati Szemle 38:5-13, 1985.
b. **Julow J**, Lányi F, Hajda M, Sinkovics M, Arany I, Tóth Sz, Pásztor E: The Radiotherapy of Cystic Craniopharyngeoma with, Intracystic Installation of ⁹⁰Y Silicate colloid. Acta Neurochirurgica (Wien) 74:94-99, 1985. **IF: 0.866**
3. **Julow J**, Drasny G, Hajda M, Simkovics M, Tóth Sz, Pásztor E: Use of Microcomputer of Intracavitary Radiotherapy of Cystic Craniopharyngiomas with Yttrium-90 silicate colloid (Hung.) Ideggyógyászati Szemle 40:547-552, 1987.
4. a. Szeifert Gy, **Julow J**, Slowik F, Bálint K, Lányi F: Pathológiai elváltozások cysticus craniopharyngeomákban üregi ⁹⁰Yttrium izotópkezelést követően. Magyar Onkológia XXXI. 4:223-229, 1987.
b. Szeifert G, **Julow J**, Slowik F, Bálint K, Lányi F, Pásztor E: Pathological changes in cystic craniopharyngiomas following intracranial ⁹⁰yttrium treatment. Acta Neurochirurgica 102:14-18, 1990. **IF: 0.586**
5. a. **Julow J**, Lányi F, Hajda M, Simkovics M, Szeifert Gy, Tóth Sz, Pásztor E: Further Experiences in the Treatment of Cystic Craniopharyngiomas with ⁹⁰Yttrium Silicate Colloid. Acta Neurochirurgica Suppl 42:113-119, 1988.
b. **Julow J**, Lányi F, Hajda M, Szeifert G, Simkovits M, Pásztor E: Cystás craniopharyngeomák intracavitális ⁹⁰ ittrium szilikát kolloid kezelése. Orvosi Hetilap 26:1367-1375, 1989.
6. Szeifert GT, **Julow J**, Szabolcs M, Slowik F, Bálint K, Pásztor E: Secretory Component of Cystic Craniopharyngiomas: A Mucino-Histochemical and Elektron-Microscopic Study. Surg Neurol 36:286-293.1991. **IF: 0.664**
7. Major T, **Julow J**: Inoperabilis agydaganatok stereotaxiás technikával végzett interstitialis brachyterápiájának dozimetriája. Magyar Onkológia 42:39-44, 1998.
8. **Julow J**, Major T, Sági S, Valálik I, Hável J, Kiss T, Somogyi A, Németh Gy: Agydaganatok brachyterápiája (interstitialis irradiációja) CT vezérelt stereotaxiás célzással beültetett ¹²⁵Jód izotóppal. Ideggyógyászati Szemle 52(1-2):35-43, 1999.
9. **Julow J**, Major T, Valálik I, Sági S, Mangel L, Hável J, Kiss T, Németh Gy, Somogyi A, Várallyai Gy, Solymosi D, Emri M, Trón L: Képfúzióval és elektronikus atlaszokkal

végzett lokalizálás "low grade " gliomák stereotaxiás interstitialis ¹²⁵ Jód besugárzásánál és funkcionális agyműtéteknél. Ideggyógyászati Szemle 52(5-6):231-233,1999.

10. a. **Julow J**, Major T, Pongrácz F, Valálik I, Sági S, Emri M, Mangel L, Hável J, Kiss T, Trón L, Várallyay Gy, Solymosi D, Németh Gy: A képfúzió szerepe stereotaxiás agyműtéteknél, különös tekintettel a gliomák szövetközi besugárzására. Ideggyógyászati Szemle 54:77-86, 2001.

b. **Julow J**, Major T, Emri M, Valálik I, Sági S, Mangel L, Németh Gy, Trón L, Várallyay Gy, Solymosi D, Hável J, Kiss T: The advantages of Image Fusion in Stereotactic Brachytherapy of Brain Tumours. Acta Neurochirurgica (Wien) 142:1253-1258, 2000. **IF: 0.817**
11. Mangel L, **Julow J**, Major T, Valálik I, Horváth Á, Kiss T, Somogyi A, Németh Gy: Elsődleges agydaganatok CT-alapú 3D konformális sugárkezelése: külső és szövetközi besugárzási lehetőségek hazánkban. Orvosi Hetilap 141:1703-9, 2000.
12. **Julow J**, Major T, Pongrácz F, Valálik I, Sági S, Emri M, Mangel L, Hável J, Kiss T, Trón L, Várallyay Gy, Solymosi D, Németh Gy: Gyermekkori agydaganatok szövetközi besugárzása CT és képfúzió vezérléssel. Pediáter 11(1):61-63, 2002.
13. Mangel L, **Julow J**, Major T, Hável J, Lövey J, Viola Á, Somogyi A, Németh Gy: A szövetközi boost besugárzás és az eltérő frakcionálás mint új dózis eszkáliciós lehetőségek a glioblastoma multiforme sugárkezelésében. Orvosi Hetilap 5:223-229, 2003.
14. a. Viola Á, Major T, Valálik I, Sági S, Mangel L, Spellenberg S, Hável J, **Julow J**: Akusztikus neurinoma kezelése képfúzió vezérelt szövetközi ¹²⁵Jód-izotóp besugárzással. Új műtéti eljárás. Ideggyógyászati Szemle 56:309-315, 2003.

b. Á Viola, T Major, L Mangel, Gy Németh, **J Julow**: Brachytherapy of Vestibular Schwannomas. Report of three cases. Minim Invas Neurosurg 47:1-4, 2004. **IF:0.752**
15. a Viola A, Major T, Nemeth G, **Julow J**: Comparison of Iodine-125 Stereotactic Brachytherapy and LINAC Radiosurgery Modalities for Brain Tumors. J Jpn Soc Radiol Oncol Suppl 1 150, 2004.

b. Viola Á, Major T, **Julow J**: Comparison of ¹²⁵Iodine stereotactic brachytherapy and LINAC radiosurgery modalities on physical dose distribution and radiobiological efficacy Radiation Research 165(6):695-702, 2006. **IF: 3.228**
16. a **Julow J**, A Viola, T Major, I Valálik, S Sági, L Mangel, RB Kovács, I Repa, G Bajzik, G Németh: Interstitial irradiation of brainstem tumours. (Agytörzsi daganatok szövetközi besugárzása). Ideggyógyászati Szemle 57(1-2):30-35, 2004.

b. **Julow J**, T Major, Á Viola, I Valálik, S Sági, L Mangel, BR Kovács, I Repa, G Bajzik, NZ Takácsi, Gy Németh: Iodine-125 Brachytherapy of Brain Stem Tumors. Strahlentherapie und Onkologie 7:449-454, 2004. **IF: 3.121**
17. Viola Á, Major T, **Julow J**: The importance of postoperative CT fusion verification of stereotactic interstitial irradiation for brain tumors. International Journal of Radiation Oncology, Biology and Physics 60:322-328, 2004. **IF: 4.297**

18. a. **Julow J**, Viola Á, Major T, Valálik I, Sági S, Mangel L, Kovács RB, Hável J, Kiss T: Két pinealoblastomás beteg 125-jód-brachyterápiája során nyert tapasztalatok és irodalmi áttekintés. *Ideggyógyászati Szemle* 58:254-262, 2005.

b. **Julow J**, Viola Á, Major T: Review of Radiosurgery of Pineal Parenchymal Tumors Long Survival following 125 Iodine Brachytherapy of Pinealoblastomas in 2 cases. *Minim Invas Neurosurg* 49:276-281, 2006. **IF:0.752**
19. a. **Julow J**, Viola Á, Major T, Mangel L, Bajzik G, Repa I, Sági S, Valálik I, Emri M, Trón L, Németh Gy: Tércatváltozások agydaganatok 125-jód-izotópos brachyterápiája után. *Ideggyógyászati Szemle* 58:130-132, 2005.

b. **Julow J**, Major T, Mangel L, Bajzik G, Viola A: Image fusion analyzed volumetric changes after interstitial low dose rate Iodine-125 irradiation of supratentorial low grade gliomas. *Radiation Research* 00.00 in press, 2007. **IF:3,099**
20. **Julow J**, Szeifert Gy, Bálint K, Nyáry I, Nemes Z: The role of microglia/macrophage system in the tissue response to I-125 interstitial brachytherapy of cerebral gliomas. *Neurological Research* 00.00 in press, 2007. **IF: 1,638**
21. **Julow J**, F Lányi, M Hajda, György T Szeifert, K Bálint, G Drasnyai, E Pásztor, Fedorcsak I, K Borbély, I Nyáry: Treatment of Cystic Craniopharyngiomas with 90 Yttrium silicate colloid in the last 20 Years. *Neurosurgical Focus (Journal of Neurosurgery)* E-JOURNAL-peer-reviewed 3:1-6, 1997.
22. **Julow J**, Erik, Backlund EO, Lányi F, Hajda M, Bálint K, Nyáry I, Szeifert GyT: Long-term Results and Late Complications Following Intracavitary Yttrium-90 colloid Irradiation of Cystic Craniopharyngiomas. *Neurosurgery Közlésre benyújtva*, 2007.

B. A pályázatban idézett irodalom

23. Kelly PJ, Nashold BS: Personal reflections on the history of stereotactic neurosurgery series introduction. *Neurosurgery* 54:198, 2004.
24. Horsley V, Clarke RH: The structure and functions of the cerebellum examined by a new method. *Brain* 31: 45-124, 1928.
25. Olivier A, Bertrand G, Picard C: Discovery of the first human stereotactic instrument. *Appl Neurophysiol* 46:84-91, 1983.
26. Spiegel EA, Wycis HT, Marks M, Lee AS: Stereotaxic apparatus for operations on the human brain. *Science* 106:349-350, 1947.
27. Szikla G, Bouvier G, Hori T: In vivo localization of brain sulci by arteriography: A stereotactic anatomoradiological study. *Brain Res* 95:497-502, 1975.
28. Szikla G, Bouvier G, Hori T, Petrov V: *Angiography of the Human Brain Cortex*. Berlin Springer-Verlag, 1977.

29. Hounsfield GN: "Computerized transverse axial scanning (tomography). Part I: Description of system. Part II: Clinical applications". British Journal of Radiology 46:1016-1022, 1973.
30. Phelps ME, Hoffman EJ, Mullani NA, Ter-Pogossian M: "Application of Annihilation Coincidence Detection to Transaxial Reconstructed Tomography". Journal of Nuclear Medicine 16:210-215, 1975.
31. Lauterbur PC: Image formation by induced local interactions. Examples employing nuclear magnetic resonance. Nature 242:190-191, 1973.
32. Mansfield P: Multi-planar image formation using NMR spin echoes. J Phys C 10: L55, 1977.
33. Kelly PJ, Alker GJ Jr: A method for stereotactic laser microsurgery in the treatment of deep-seated CNS neoplasms. Appl Neurophysiol 43:210-215, 1980.
34. Danlos M, Bloch P: Note sur le traitement du lupus erythematenx par des application de radium. Ann Dermatol Syphil 2:986-8, 1901.
35. Shrivastava S: Brachytherapy - Perspectives in evolution: Take it with a bag of salt. J Can Res Ther 1:73-74, 2005.
36. Rosegay H: A History of Neurological Surgery at the University of California, San Francisco. Neurosurg 38(4):794-805, 1996.
37. Frazier CH: The effects of radium emanations upon brain tumors. Surg Gynecol Obstet 31:236-239, 1920.
38. Mayer Á, Polgár I, Németh Gy és mtsai: Rosszindulatú emlődaganatok konzervatív sebészi kezelést követő nagy aktivitású szövetközi afterloading sugárkezelése. Magyar Onkológia 35:82-86, 1991.
39. Kelly PJ: Stereotactic Navigation, Jean Talairach et I. Neurosurgery 54:454-464, 2004.
40. Murtagh F, Wycis HT, Robbin R, Spiegel-Adolph M, Spiegel EA: Visualization and treatment of cystic brain tumors by stereoencephalotomy. Acta Radiol 46:407-414, 1956.
41. Backlund EO: Stereotaktik behandling av kraniopharyngeom med intracystiskt ⁹⁰Y extern ⁶⁰Co Bestraling. Stockholm. Doktor-thesis, 1972.
42. Mundinger F, Braus D F, Krauss J k, Birg W: Long-term outcome of 89 low-grade brain-stem gliomas after interstitial radiation therapy. J Neurosurg Nov 75(5):740-6, 1991.
43. Krishnaswamy K: Dose Distribution Around and ¹²⁵I Seed Source in Tissue. Radiology 126:489-491, 1978.
44. Emri M, Ésik O, Repa I, Marian T, Trón L: Image fusion of different tomographic methods (PET/CT/MR) effectively contribute to therapy planning. Orv Hetil 16:138(46):2919-24, 1997.

45. Alpert N, Bradshaw J, Kennedy D et al: The principal axis transformation - a method for image registration. *J Nucl Med* 31, 1717, 1990.
46. Friston KJ, Ashburner J, Frith CD et al: Spatial Registration and Normalization of Images. *Human Brain Mapping* 2:165-189, 1995.
47. Niew HM, Chen CT, Lin WC et al: Automated three-dimensional registration of medical images. *Proceedings of SPIE Medical Imaging*. SPIE 259-264, 1991.
48. Pelizzari CA, Chen GTY: Registration of multiple diagnostic imaging scans using surface fitting. In *The Use of Computers in Radiation Therapy*, (Bruinvas et. al. editors). Elsevier Science Publishers B.V. North Holland 1990.
49. Strother SC, Anderson JR, Xu XL et al: Quantitative Comparisons of Registration Techniques Based on High-Resolution MRI of the Brain. *J Comput Assist Tomogr*. 18:954-962, 1994.
50. Taylor RH, Lavallée S, Burdea GC, Mösges R: *Computer-Integrated Surgery, Technology and Clinical Applications*. MIT Press Cambridge-London 736, 96.
51. Woods RP, Cherry SR, Mazziotta JC: Rapid Automated Algorithm for Aligning and Reslicing PET Images *J Comput Assist Tomogr* 16:620-633, 92.
52. Woods RP, Mazziotta JC, Cherry SR: MRI-PET Registration With Automated Algorithm. *J. Comput. Assist. Tomogr*. 17:536-546, 1993.
53. Abdel-Aziz YI, Karara HM: Direct linear transformation into object space coordinates in close-range photogrammetry. In *Proceedings of the Symposium on Close-Range Photogrammetry*. University of Illinois 1-18, 1971.
54. Evans AC, Collins DL, Neelin P, MacDonald D, Kamber M, Marrett TS: Three-dimensional correlative imaging: applications in human brain mapping. In: *Functional neuroimaging*. Editors: Thatcher RW, Hallett M, Zeffiro T, John ER, M. Huerta Academic Press, San Diego - New York - Boston - London - Sydney - Tokyo - Toronto 145-161, 1994.
55. Hill DLG, Hawkes DJ, Crossman JE, Gleeson MJ, Cox TCS, Bracey EECML, Strong AJ, Graves P: Registration of MR and CT images for skull base surgery using point-like anatomical features. *British J of Radiology* 64:1030-1035, 1991.
56. Jiang H, Robb RA, Holton KS: New approach to 3-D registration of multimodality medical images by surface matching. In *Proceedings of Visualisation in Biomedical Computing* 196-213. Chapel Hill, NC, USA, 1992.
57. Brenner DJ, Hlatky LR, Hahnfeldt PJ, et al: The Linear-Quadratic model and most other common radiobiological models result in similar predictions of time-dose relationships. *Radiat Res* 150:83-91, 1998.
58. Williams JE: Fractionated stereotactic radiotherapy for acoustic neuromas: *Int J Radiat Oncol Biol Phys* 54:500-504, 2002.

59. Meertens H, Borger J, Steggerda M, Blom A: Evaluation & optimisation on interstitial brachytherapy dose distributions. In: Brachytherapy from radium to optimization. pp 300-306. Editors: Mould R.F., Battermann J.J., Martinez A.A. and Speiser B.L., Nucletron B.V., Veenendaal, The Netherlands, 1994.
60. Saw CB and Suntharalingam N: Reference dose rate for single- and double-plane Ir-192 implants. *Med Phys* 15:391-396, 1988.
61. Saw CB, Suntharalingam N, Ayyangar KM, Tupchong L: Dosimetric considerations of stereotactic brain implants. *Int J Radiat Oncol Biol Phys* 17:887-891, 1989.
62. Saw CB and Suntharalingam N: Quantitative assessment of interstitial implants. *Int J Radiat Oncol Biol Phys* 20:135-139, 1991.
63. Saw CB, Suntharalingam N, Wu A: Concept of dose nonuniformity in interstitial brachytherapy. *Int J Radiat Oncol Biol Phys* 26:519-527, 1993.
64. Baltas D, Kolotas C, Geramani K et al: A conformal index (COIN) to evaluate implant quality and dose specification in brachytherapy. *Int J Radiat Oncol Biol Phys* 40:515-524, 1998.
65. Erdheim J: Über Hypophysenganggeschwülste und Hirncholesteatome. *Sitzber Kais. Akad. Wiss. Math-natwiss Cl Abt* 3(113):537-726, 1904.
66. Rathke H: Über die Entstehung der Glandula pituitaria. *Arch Anat Physiol Wiss Med* 5:482-485, 1838.
67. Lewis DD: A contribution to the subject of tumors of the hypophysis. *JAMA* 55:1002-1008, 1910.
68. Cushing H: Intracranial tumors. Notes upon a series of two thousand verified cases with surgical mortality percentages pertaining thereto. Thomas Springfield Il, 1932.
69. Frazier CH: An approach to the hypophysis through the anterior cranial fossa. *Ann Surg* 57:145-150, 1913.
70. Kanavel AB: The removal of tumors of the pituitary body by an infranasal route- a proposed operation with a description of the technique. *JAMA* 3:704-707, 1909.
71. Ingraham FD, Matson DD, McLaurin RL: Cortisone and ACTH as an adjunct to the surgery of craniopharyngiomas. *N Engl J Med* 10; 246(15):568-71, 1952.
72. Tytus JS, Seltzer HS, Kahn EA: Cortisone as an aid in the surgical treatment of craniopharyngiomas. *J Neurosurg* 12:555-564, 1955.
73. Kramer S, McKissock W, Concannon JP: Craniopharyngiomas. Treatment by combined surgery and radiation therapy, *J Neurosurg*, 18:217-26, 1961.
74. Hoffman H J, Hendrick E B, Humphreys RP, Buncic JR, Armstrong D L, Jenkin R D: Management of craniopharyngioma in children. *J Neurosurg* 47(2):218-27, 1977.

75. Konovalov A N: Microsurgery of tumours of diencephalic region. *Neurosurg Rev* 6(2):37-41, 1983.
76. Barrow D L, Spector R H, Takei Y, Tindall GT: Symptomatic Rathke's cleft cysts located entirely in the suprasellar region: review of diagnosis, management, and pathogenesis. *J Neurosurgery* 16(6):766-72, 1985.
77. Yasargil MG, Curcic M, Kis M, Siegenthaler G, Teddy P J, Roth P: Total removal of craniopharyngiomas. Approaches and long-term results in 144 patients *J Neurosurg* 73(1):3-11, 1990.
78. Leksell L, Backlund E O, Johansson L: Treatment of craniopharyngiomas 133(5):345-50, 1967.
79. Backlund EO: Studies on craniopharyngiomas. I. Treatment: past and present. *Acta Chir Scand* 138(8):743-7, 1972.
80. Strauss L, Sturm V, Georgi P, et al: Radioisotope therapy of cystic craniopharyngiomas. *Int J Radiat Oncol Biol Phys* 8:1581-1585, 1985.
81. Netzeband G, Sturm V, Georgi P, et al: Results of stereotactic intracavitary irradiation of cystic craniopharyngiomas. Comparison of the effects of yttrium-90 and rhenium-186. *Acta Neurochir Suppl* 33:341-344, 1984.
82. Musolino A, Munari P, Blond S, et al: Traitment stereotaxique des kystes expansifs de cranio-pharyngiomes par irradiation endocavitaire Beta (^{186}Re , ^{198}Au , ^{90}Y). *Neurochirurgie* 31:169-178, 1985.
83. Guevara JA, Bunge HJ, Heinrich JJ, et al: Cystic craniopharyngioma treated by $^{90}\text{yttrium}$ silicate colloid. *Acta Neurochir Suppl* 42:109-112, 1988.
84. Backlund EO, Axelson B, Bergstrand CG, et al: Treatment of craniopharyngiomas-the stereotactic approach in a ten to twenty-three years' perspective. I. Surgical, radiological and ophthalmological aspects. *Acta Neurochir* 99:11-19, 1989.
85. Pan DH, Lee LS, Huang CI, et al: Stereotactic internal irradiation for cystic craniopharyngiomas: a 6 year experience. *Stereotact Funct Neurosurg* 54/55:525-530, 1990.
86. van den Berge JH, Blaauw G, Breeman WAP, et al: Intracavitary brachytherapy of cystic craniopharyngiomas. *J Neurosurg* 77:545-550, 1992.
87. Frank F, Fabrizi A.P, Frank G, Fioravanti A: Stereotactic Management of Craniopharyngiomas. *Stereotact Funct Neurosurg* 65:176-183, 1995.
88. Voges J, Sturm V, Lehrke R, et al: Cystic craniopharyngioma: long-term results after intracavitary irradiation with stereotactically applied colloidal β -emitting radioactive sources. *Neurosurgery* 40:263-270, 1997.
89. Blackburn T p, Doughty D, Plowman P N: Stereotactic intracavitary therapy of recurrent cystic craniopharyngioma by instillation of $^{90}\text{yttrium}$. *Br J Neurosurg* 13 4):359-65, 1999.

90. Huk WJ, Mahlstedt J: Intracystic radiotherapy (^{90}Y) of craniopharyngiomas. CT-guided stereotaxic implantation of indwelling drainage system. *AJNR* 4:803-806, 1983.
91. Antonini G, Rasura M, Paolini S, Mercieri M, Pantano P, Gragnani F, Argentino C: Paramedian diencephalic syndrome. *Ital J Neurol Sci* 6:285-90, 1994.
92. Beversdorf DQ, Jenkyn LR, Petrowski JT 3rd, Cromwell LD, Nordgren RE: Vertical gaze paralysis and intermittent unresponsiveness in a patient with a thalamomesencephalic stroke. *J Neuroophthalmol* 4:230-5, 1995.
93. Castaigne P, Lhermitte F, Buge A, Escourolle R, Hauw JJ, Lyon-Caen O: Paramedian thalamic and midbrain infarct: clinical and neuropathological study. *Ann Neurol* 2:127-48, 1981.
94. Kumral E, Bayulkem G, Ataç C, Alper Y: Spectrum of superficial posterior cerebral artery territory infarcts. *European Journal of Neurology* 11:(4)237 – , 2004.
95. Ortiz N, Barraquer Bordas L, Duoreado M, Rey A, Avila A: Hemiplegia in posterior cerebral artery infarctions: analysis of various responsible mechanisms. *Neurologia* 8:(6)188-93,1993.
96. Wallner KE, Galicich JH, Krol G, Arbit E, Malkin MG: Patterns of failure following treatment for glioblastoma multiforme and anaplastic astrocytoma. *Int J Radiat Oncol Biol Phys* 16:1405-1409, 1989.
97. Walker MD, Alexander JrE, Hunt WE: Evaluation of BCNU and/or radiotherapy in the treatment of anaplastic gliomas. *J Neurosurg* 49:333-343, 1978.
98. Walker MD, Green SB, Byar DP: Randomized comparisons of radiotherapy and nitrosoureas for malignant gliomas after surgery. *N Engl J Med* 303:1323-1329, 1980.
99. Scharfen CO, Sneed PK, Wara WM, Larson DL, Phillips TL, Prados MD, Weaver KA, Malec M, Acord P, Lamborn KR, Lamb SA, Ham B, Gutin PH: High Activity Iodine-125 Interstitial Implant for Gliomas. *Int J Radiat Oncol Biol Phys* 24:583-591, 1992.
100. Walker MD, Strike TA, Sheline GE: An analysis of dose-effect relationship in the radiotherapy of malignant gliomas. *Int J Radiat Oncol Biol Phys* 5:1725-1731, 1979.
101. Leibel S, Gutin PH, Sneed D, Prados M, Levin K, Larson D, Wara W, Weaver K, Philips TH: Interstitial irradiation for the treatment of primary and metastatic brain tumors. *PPO Update* 13:1-11, 1987.
102. Gutin PH, Philips TL, Wara WM, Leibel SA, Hosobuchi Y, Levin VA, Weaver K, Lamb S: Brachytherapy with removable Iodine-125 sources for the treatment of recurrent malignant brain tumors. *Acta Neurochir* 33:363-366, 1984.
103. Hochberg FH, Pruitt A: Assumptions in the radiotherapy of glioblastomas. *Neurology* 30:907-11, 1980.
104. Ammirati M, Vick N, Liao Y, Ciric I, Mikhael M: Effect of the extent of surgical resection on survival and quality of life in patients with supratentorial glioblastomas and anaplastic astrocytomas. *Neurosurgery* 21:201-206, 1987.

105. Dirks P, Bernstein M, Muller PJ, Tucker WS: The value of reoperation for recurrent glioblastoma. *Can J Surg* 36:271-275, 1993.
106. Sneed PK, Prados MD, McDermot MW, Larson DA, Malec MK, Lamborn KR, Davis RL, Weaver KA, Wara WM, Phillips TL, Gutin PH: Large effect of age on the survival of patients with glioblastoma treated with radiotherapy and brachytherapy boost. *Neurosurgery* 36:898-904, 1995.
107. Laperriere NJ, Leung PMK, McKenzie S, Milosevic M, Wong S, Glen J, Pintilie M, Bernstein M: Randomized study of brachytherapy in the initial management of patients with malignant astrocytoma. *Int J Radiat Oncol Biol Phys* 41:1005-1011, 1998.
108. Wen PY, Alexander E III, Black PM, Fine HA, Riese N, Levin JM, Coleman CN, Loeffler JS: Long term results of stereotactic brachytherapy used in the initial treatment of patients with glioblastomas. *Cancer* 73:3029-36, 1994.
109. Fernandez PM, Zamorano L, Yakar D, Gaspar L, Warmelink C: Permanent Iodine-125 implants in the up-front treatment of malignant gliomas. *Neurosurgery* 36:467-473, 1995.
110. Selker RG, Shapiro WR, Green S: A randomized trial of interstitial radiotherapy (IRT) boost for the treatment of newly diagnosed malignant glioma: BTCCG Study 87-01 (abstr) in Congress of Neurological Surgeons 45th Annual Meeting Program, San Francisco 94-95, Oct 14-19 1995.
111. Videtic GMM, Gaspar LE, Zamorano L, Stitt LW, Fontanesi J, Levin KJ: Implant volume as a prognostic variable in brachytherapy decision-making for malignant gliomas stratified by the rtog recursive partitioning analysis. *Int J Radiat Oncol Biol Phys* 51:963-968, 2001.
112. Selker RG, Shapiro WR et al: The Brain Tumor Cooperative Group NIH Trial 87-01: A randomized comparison of surgery, external radiotherapy, and carmustine versus surgery, interstitial radiotherapy boost, external radiation therapy and carmustine. *Neurosurgery* 51:343-357, 2002.
113. Nazzaro JM, Neuwelt EA: The role of surgery in the management of supratentorial intermediate and high-grade astrocytomas in adults. *J Neurosurg* 73:331-344, 1990.
114. Hess KR: Extent of resection as a prognostic variable in the treatment of gliomas. *J Neurooncol* 42:227-231, 1999.
115. Bampoe J, Glen J, Mackenzie I, Porter P, Bernstein M: Effect of implant dose/volume and surgical resection on survival in a rat glioma brachytherapy model: implications for brain tumor therapy. *Neurosurg* 41:1374-1383, 1997.
116. Supe S J, Sasane J B, Gupta MK: Volume correction factor in time dose relationships in brachytherapy. *Strahlenther Onkol* 163(5):309-13, 1987.
117. Turowski K, Fike JR, et al: Normal brain iodine-125 radiation damage: effect of dose and irradiated volume in a canine model. *Radiology* 158:833-838, 1986.

118. Thiel A, Pietrzyk U, et al: Enhanced Accuracy in Differential Diagnosis of Radiation Necrosis by Positron Emission Tomography-Magnetic Resonance Imaging Coregistration: Technical Case Report. *Neurosurgery* 46:232-4, 2000.
119. Mayr MT, Crocker IA, Butker EK, Williams H, Cotsonis GA, Olson JJ: Results of interstitial brachytherapy for malignant brain tumors. *Int J Oncology* 21:817-823, 2002.
120. Florel RC, Macdonald DR, Irish WD, Bernstein M, Leibel SA, Gutin PH, Cairncross JG: Selection bias, survival and brachytherapy for glioma. *J Neurosurg* 76:179-183, 1992.
121. Gaspar LE, Zamorano LJ, Shamsa F, Fontanesi J, Ezzel GE, Yakar DA: Permanent ¹²⁵Iodine implants for recurrent malignant gliomas. *Int J Radiat Oncol Biol Phys* 43:977-982, 1999.
122. Patel S, Breneman JC, Warnick RE, Albright RE, Tobler WD, Loveren HR, Tew JM: Permanent Iodine-125 Interstitial Implants for the Treatment of Recurrent Glioblastoma Multiforme. *Neurosurgery* 46:1123-1130, 2000.
123. Larson DA, Suplica JM, Chang SM, Lamborn KR, McDermott MW, Sneed PK, Prados M, Wara WM, Nicholas MK, Berger MS: Permanent iodine 125 brachytherapy in patients with progressive or recurrent glioblastoma multiforme. *Neuro-Oncology* 6: 119-126, 2004.
124. Chuba PJ, Zamarano L, Hamre M, Bhambhani K, Canady A, Guys MB, et al: Permanent I-125 brain stem implants in children. *Child's Nerv Syst* 14:570-577, 1998.
125. Matsumoto K, Tada E, Tamesa N, Tomita S, Ohmoto T: Stereotactic brachytherapy for a cystic metastatic brain tumor in the midbrain. *J Neurosurg* 88:141-144, 1998.
126. Mundinger F, Braus DF, Krauss JK, Birg W: Long-term outcome of 89 low-grade brain-stem gliomas after interstitial radiation therapy. *J Neurosurg* 75:740-746, 1991.
127. Hood TW, Gebarski SS, McKeever PE, Venes JL: Stereotaxic biopsy of intrinsic lesions of the brain stem. *J Neurosurgery* 65:172-176, 1986.
128. Kobayashi T, Tanaka T, Kida Y: The early effects of gamma knife on 40 cases of acoustic neurinoma. *Acta Neurochir Suppl* 62:93-97, 1994.
129. Yu CP, Cheung JYC, Leung S, HO R: Sequential volume mapping for confirmation of negative growth in vestibular schwannomas treated by gamma knife radiosurgery. *J Neurosurg* 93:82-89, 2000.
130. Halligan JB, Stelzer KJ, Rostomily RC, Spence AM, Griffin TW, Berger MS: Operation and permanent low activity ¹²⁵I brachytherapy for recurrent high-grade astrocytomas. *Int J Radiat Oncol Biol Phys* 35:541-547, 1996.
131. Villavicencio AT, Black PM, Shrieve DC, Fallon MP, Alexander E, Loeffler JS: Linac Radiosurgery for Skull Base Meningiomas. *Acta Neurochir* 143:1141-1152, 2001.
132. Chang SD, Adler JR: Treatment of Cranial Base Meningiomas with Linear Accelerator Radiosurgery *Neurosurg* 41:1019-1027, 1997.

133. Valentino V, Schinaia G, Raimondi AJ: The Results of Radiosurgical Management of 72 Middle Fossa Meningiomas. *Acta Neurochir* 122:60-70, 1993.
134. Engenhart R, Kimmig BN, Höver KH, Wowra B, Sturm V, Kaick G, Wannenmacher M: Stereotactic single high dose radiation therapy of benign intracranial meningiomas. *Int J Radiat Oncol Biol Phys* 19:1021-1026, 1990.
135. Nicolato A, Foroni R, Pellegrino M, Ferraresi P, Alessandrini F, Gerosa M, Bricolo A: Gamma Knife Radiosurgery in Meningiomas of the Posterior Fossa. Experience with 62 Treated Lesions. *Minim Invas Neurosurg* 44:211-217, 2001.
136. Nicolato A, Foroni R, Alessandrini F, Maluta S, Bricolo A, Gerosa M: The role of gamma knife radiosurgery in the management of cavernous sinus meningiomas. *Int J Radiat Oncol Biol Phys* 53:992-1000, 2002.
137. Shin M, Kurita H, Sasaki T, Kawamoto S, Tago M, Kawahara N, Morita A, Ueki K, Kirino T: Analysis of treatment outcome after stereotactic radiosurgery for cavernous sinus meningiomas. *J Neurosurg* 95:435-439, 2001.
138. Iwai Y, Yamanaka K, Nakajima H: The treatment of skull base meningiomas – combining surgery and radiosurgery. *Journal of Clinical Neuroscience* 8(6):528-533, 2001.
139. Kobayashi T, Kida Y, Mori Y: Long-term Results of Stereotactic Gamma Radiosurgery of Meningiomas. *Surg Neurol* 55:325-31, 2001.
140. Pendl G, Eustacchio S, Unger F: Radiosurgery as alternative treatment for skull base meningiomas. *Journal of Clinical Neuroscience* 8 (Supplement 1):12-14, 2001.
141. Kondziolka D, Levy EI, Niranjan A, Flickinger JC, Lunsford LD: Long-term outcomes after meningioma radiosurgery: physician and patient perspectives. *J Neurosurg* 91:44-50, 1999.
142. Liščák R, Šimonová G, Vymazal J, Janoušková L, Vladyka V: Gamma Knife Radiosurgery of Meningiomas in the Cavernous Sinus Region. *Acta Neurochir* 141:473-480, 1999.
143. Hudgins WR, Barker JL, Schwartz DE, Nichols TD: Gamma Knife Treatment of 100 Consecutive Meningiomas. *Stereotact Funct Neurosurg* 66(Suppl 1):121-128, 1996.
144. Kumar PP, Patil AA, Leibrock LG, Chu WK, Syh HW, McCaul GF, Reeves MA: Brachytherapy: A Viable Alternative in the Management of Basal Meningiomas. *Neurosurgery* 29:676-680, 1991.
145. Vourinen V, Heikkonen J, Brander A, Setälä K, Sane T, Randell T, Paetau A, Pohjola J, Mäntylä, Jääskeläinen J: Interstitial Radiotherapy of 25 Parasellar/Clivar Meningiomas and 19 Meningiomas in the Elderly. Analysis of Short-term Tolerance and Responses. *Acta Neurochir* 138:495-508, 1996.
146. Gutin PH, Leibel SA, Hosobuchi Y, Crumley RL, Edwards MSB, Wilson CB, Lamb S, Weaver KA: Brachytherapy of Recurrent Tumors of the Skull Base and Spine with Iodine-125 Sources. *Neurosurgery* 20:938-948, 1987.

147. Mundinger F, Weigel K: Long-term Results of Stereotactic Interstitial Curietherapy. *Acta Neurochir* 33(Supplement):367-371, 1984.
148. Bondestam S, Halavaara JT, Jääskeläinen JE, Kinnunen JJ, Hamberg LM: Perfusion CT of the brain in the assesment of flow alterations during brachytherapy of meningioma. *Acta Radiologica* 40:469-473, 1999.
149. Kumar PP, Patil AA, Leibrock LG, Chu WK, Syh HW, McCaul GF, Reeves MA: Continuous low dose rate brachytherapy with high activity Iodine-125 seeds in the management of meningiomas. *Int J Radiat Oncol Biol Phys* 25:325-328, 1993.
150. Kumar PP, Patil AA, Syh HW, Chu WK, Reeves MA: Role of Brachytherapy in the Management of the Skull Base Meningioma. *Treatment of Skull Base Meningiomas. Cancer* 71:3726-31, 1993.
151. Kumar PP, Good RR, Patil AA, Leibrock LG: Permanent High-Activity Iodine-125 in the Management of Petroclival Meningiomas: Case Reports *Neurosurgery* 25:436-442, 1989.
152. Kumar PP, Good RR, Leibrock LG, Mawk JR, Yonkers AJ, Ogren FP: High Activity Iodine 125 Endocurietherapy for Recurrent Skull Base Tumors. *Cancer* 61:1518-1527, 1988.
153. Dandy WE: An operation for the removal of pineal tumors. *Surg Gynecol Obstet* 33:113-119, 1921.
154. Dandy WE: Operative experiences in cases of pineal tumors. *Arch Surg* 33:19-46, 1936.
155. Jamieson KG: Excision of pineal tumors. *J Neurosurg* 35:550-553, 1971.
156. Pecker J, Scarabin JM, Vallee B, et al: Treatment in tumours of the pineal region: Value of stereotaxic biopsy. *Surg Neurol* 12:341-348, 1979.
157. Poppen JL: The right occipital approach to a pinealoma. *J Neurosurg* 25:706-710, 1966.
158. Rosenfeld JF: Supratentorial approaches to pineal tumors. In: Kaye AH, Black PMcL: *Operative neurosurgery*. Harcourt Publishers Limited 2000, London, New York, Philadelphia, St. Luis, Sydney, Toronto, pp 825-840, 2000.
159. Van Wagenen WP: A surgical approach for the removal of certain pineal tumors: report of a case. *Surg Gynecol Obstet* 53:216-220, 1931.
160. Dempsey PK, Lunsford LD: Stereotactic radiosurgery for pineal region tumors. *Neurosurg Clin N Am* 3:245-253, 1992.
161. Backlund EO, Rähn T, Sarby B: Treatment of pinealomas by stereotaxic radiation surgery. *Acta Radiol Ther Phys Biol* 13:368-376, 1974.
162. Borit A, Blackwood W, Mair WGP: The separation of pineocytoma from pineoblastoma. *Cancer* 45:1408-1418, 1980.

163. Buatti JM, Bova FJ, Friedman WA, et al: Preliminary experience with frameless stereotactic radiotherapy. In *J Radiat Oncol Biol Phys* 42:591-599, 1998.
164. Casentini L, Colombo F, Pozza F, et al: Combined radiosurgery and external radiotherapy of intracranial germinomas. *Surg Neurol* 34:79-86, 1990.
165. Regine WF, Hodes JE, Patchell RA: Intracranial germinoma: Treatment with radiosurgery alone. *J Neurooncol* 37:75-77, 1998.
166. Zeng-min T, Zong-hui L, Gui-quan K, et al: CT-guided stereotactic injection of radionuclide for treatment of brain tumors. *Stereotact Funct Neurosurg* 59:169-173, 1992.
167. Fuller BG, Kapp DS, Cox R: Radiation therapy of pineal region tumors: 25 new cases and a review of 208 previously reported cases. In *J Radiat Oncol Biol Phys* 28:229-245, 1994.
168. Regis J, Bouillot P, Rouby-Volot F, et al: Pineal region tumors and the role of stereotactic biopsy: Review of the mortality, morbidity, and diagnostic rates in 370 cases. *Neurosurgery* 39:907-911, 1996.
169. Kreth FW, Schatz CR, Pagenstecher A et al: Stereotactic management of lesions of the pineal region. *Neurosurgery* 39:280-291, 1996.
170. Chao CKS, Lee STL, Lin FJ, et al: A multivariate analysis of prognostic factors in management of pineal tumor. In *J Radiat Oncol Biol Phys* 27:1185-1191, 1993.
171. Barlas O, Bayindir Ç, İmer M, et al: Non-resective management of pineoblastoma. *Minim Invas Neurosurg* 43:163-170, 2000.
172. D'Andrea AD, Packer RJ, Rorke LB, et al: Pineocytomas of childhood. A reappraisal of natural history and response to therapy. *Cancer* 59: 1353-1357, 1987.
173. Matsumoto K, Higashi H, Tomita S, et al: Pineal region tumours treated with interstitial brachytherapy with low activity sources (¹⁹²Iridium). *Acta Neurochir* 136:21-28, 1995.
174. Wara WM, Fellows CF, Sheline GE, et al: Radiation therapy for pineal tumors and suprasellar germinomas. *Radiology* 124:221-223, 1977.
175. Hasegawa T, Kondziolka D, Hadjipanayis CG, et al: The role of radiosurgery for the treatment of pineal parenchymal tumors. *Neurosurgery* 51(4):880-9. 2002.
176. Chapman PH, Linggood RM: The management of pineal area tumors: A recent reappraisal. *Cancer* 46:1253-1257, 1980.
177. Frank F, Gaist G, Piazza G, et al: Stereotaxic biopsy and radioactive implantation for interstitial therapy of tumors of the pineal region. *Surg Neurol* 23:275-280, 1985.
178. Linggood RM, Chapman PH: Pineal tumors. *J Neuro-Oncol* 12:85-91, 1992.
179. Manera L, Régis J, Chinot O, et al: Pineal region tumors: The role of stereotactic radiosurgery. *Stereotact Funct Neurosurg* 66:164-173, 1996.

180. Neuwelt EA, Glasberg M, Frenkel E, et al: Malignant pineal region tumors. A clinico-pathological study. *J Neurosurg* 51:597-607, 1979.
181. Sung DII, Harisiadis L, Chang CH: Midline pineal tumors and suprasellar germinomas: Highly curable by irradiation. *Radiology* 128:745-751, 1978.
182. Tada E, Matsumoto K, Tomita S et al: Usefulness of neoadjuvant brachytherapy in the treatment of pineoblastoma: a case report. *No Shinkei Geka* 24:481-485, 1996.
183. Schild SE, Scheithauer BW, Schomberg PJ, et al: Pineal parenchymal tumours. *Cancer* 72:870-879, 1993.
184. Abay EO, Laws ER, Grado GL, et al: Pineal tumors in children and adolescents. *J Neurosurg* 55:889-895, 1981.
185. Bradfield JS, Perez CA: Pineal tumors and ectopic pinealomas. *Radiology* 103:399-406, 1972.
186. Rao YTR, Medini E, Haselow RE, et al: Pineal and ectopic pineal tumors: The role of radiation therapy. *Cancer* 48:708-713, 1981.
187. Mincer F, Meltzer J, Botstein C: Pinealoma: A report of twelve irradiated cases. *Cancer* 37:2713-2718, (75)1976.
188. Gardner G, Robertson JH: Hearing preservation in unilateral acoustic neuroma surgery. *Ann Otol Rhinol Laryngol* 97:55-66, 1988.
189. Abdelaziz OS: Radiosurgery in neurosurgical practice In: Stereotactic radiosurgery for intracranial schwannomas. *Neurosurgery Quarterly* 10:117-121, 2000.
190. Kaye A H, Black PM: Operative Neurosurgery, Toronto. Harcourt Publishers Limited; 861-906, 2000.
191. Kwon Y, Khang SK, Kim CJ, Lee DJ, Lee JK, Kwun BD: Radiologic and histopathologic changes after Gamma Knife radiosurgery for acoustic Schwannoma. *Stereotact Funct Neurosurg* 72: 2-10, 1999.
192. Linskey EM: Stereotactic radiosurgery versus stereotactic radiotherapy for patients with vestibular schwannoma a Leksell Gamma Knife Society 2000 debate. *J Neurosurg* 93:90-95, 2000.
193. Martin H C, Sethi J, Lang D, Neil-Dwyer G, Lutman ME, Yardley L: Patient- assested outcomes after excision of acoustic neurinoma: postoperative symptoms and quality of life. *J Neurosurg* 94:211-216, 2001.
194. Massager N, David P, Goldman S: Combined magnetic resonance imaging- and positron emission tomography-guided stereotactic biopsy in brainstem mass lesions: diagnostic yield in a series of 30 patients. *J Neurosurg* 93:951-957, 2000.
195. Prasad D, Steiner M, Steiner L: Gamma surgery for vestibular schwannoma. *J Neurosurg* 92:745-759, 2000.

196. Sluyter S, Graamans K, Tulleken C, Va Veelen CWM: Analysis of the results obtained in 120 patients with large acoustic neuromas surgically treated via the translabyrinthine-transtentorial approach. *J Neurosurg* 94:61-66, 2001.
197. Foote KD, Friedman WA, Buatti JM, Meeks SL, Bova FJ, Kubilis PS: Analysis of risk factors associated with radiosurgery for vestibular schwannoma. *J Neurosurg* 95:440-449, 2001.
198. Spiegelmann R, Lidar Z, Gofman J, Alezra D, Hadani M, Pfeffer R: Linear accelerator for vestibular schwannoma. *J Neurosurg* 94:7-13, 2001.
199. Flickinger JC, Kondziolka D, Niranjan A, Lunsford LD: Results of acoustic neuroma radiosurgery: an analysis of 5 years' experience using current methods. *J Neurosurg* 94:1-6, 2001.
200. Subach RB, Kondziolka D, Lunsford LD, Bissonette DJ, Flickinger JC, Maitz A: Stereotactic radiosurgery in the management of acoustic neuromas associated with neurofibromatosis Type 2. *J Neurosurg* 90:815-822, 1999.
201. Niranjan A, Lunsford LD, Flickinger JC, Maitz A, Kondziolka D: Dose reduction improves hearing preservation rates after intracanalicular acoustic tumor radiosurgery. *Neurosurgery* 45:753-765, 1999.
202. Foroni R, Gambrini G, Danesi U, et al: New dosimetric approach for multidimensional dose evaluation in gamma knife radiosurgery. *J Neurosurg* 93:239-242, 2000.
203. Sekiya T, Hatayama T, Shimamura N, Suzuki S: A comprehensive classification system of vestibular schwannomas. *Journal of Clinical Neuroscience* 7:129-133, 2000.
204. Noren G, Greitz D, Hirsch A, Lax I: Gamma knife surgery in acoustic tumours. *Acta Neurochir* 58:104-107, 1993.
205. Noren G, Arndt J, Hindmarsch T: Stereotactic radiosurgery in cases of acoustic neurinoma: further experiences. *Neurosurgery* 13:12-22, 1983.
206. Derlon JM: The in vivo Metabolic Investigation of Brain Gliomas with Positron Emission Tomography Advances and Technical Standards in Neurosurgery Springer Wien New York Vol 24:42-76, 1998.
207. Moringlane JR, Voges M, Huber G, Müller J, Leetz HK: Short-term CT and MR changes in brain tumors following 125I interstitial irradiation. *J Comput Assist Tomogr* 21:115-21, 1997.
208. Thalacker U, Liszka G, Somogyi A, Nemeth Gy: The observation of edema in the substantia alba during postoperative brain irradiation. The role of computed tomographic studies. *Strahlenther Onkol* 174:14-8, 1998.
209. Willis BK, Heilbrun MP, Sapozink MD, McDonald PR: Stereotactic interstitial brachytherapy of malignant astrocytomas with remarks on postimplantation computed tomographic appearance. *Neurosurgery* 23:348-54, 1988.

210. Adamson A J, Rand SD, Prost RW, Kim TA, Schultz C, Haughton VM: Focal brain lesions: effect of single voxel proton MR spectroscopic findings on treatment decisions .Radiology 209:73-8, 1998.
211. Castel JC, Caille JM: Imaging of irradiated brain tumours. Value of magnetic resonance imaging. J Neuroradiol 16:81-132, 1989.
212. Kinoshita Y, Yokota A: Absolute concentrations of metabolites in human brain tumors using in vitro proton magnetic resonance spectroscopy. NMR Biomed 10(1):2-12, 1997.
213. Rudoler S, Corn BW, Werner-Wasik M, Flanders A, Preston PE, Tupchong L, Curran WJ Jr: Patterns of tumor progression after radiotherapy for low-grade gliomas: analysis from the computed tomography/magnetic resonance imaging era. Am J Clin Oncol 21(1):23-7, 1998.
214. Tada E, Matsumoto K, Kinoshita K, Tamesa N, Maeda Y, Adachi H, Furuta T, Nakagawa T, Sakae K, Ohtomo T: Combined brachytherapy and external beam radiotherapy in normal monkey brains-experimental radionecrosis evaluated by sequential magnetic resonance imaging. Neurol Med Chir (Tokyo) 38:203-11, 1998.
215. Wald LL, Nelson SJ, Day MR, Noworolski SE, Henry RG, Huhn SL, Chang S, Prados MD, Sneed PK, Larson DA, Wara WM, McDermott M, Dillon WP, Gutin PH, Vigneron DB: Serial proton magnetic resonance spectroscopy imaging of glioblastoma multiforme after brachytherapy. Neurosurg 87(4):525-34, 1997.
216. Asensio C, Perez-Castejon MJ, Maldonado A, Montz R, Ruiz JA, Santos M, Garcia-Berrocal I, Albert J, Carreras JL: The role of PET-FDG in questionable diagnosis of relapse in the presence of radionecrosis of brain tumors. Article in Spanish Rev Neurol 27(157):447-52, 1998.
217. De Witte O, Levivier M, Violon P, Salmon I, Damhaut P, Wikler D Jr, Hidebrand J, Brotchi J, Goldman S: Prognostic value positron emission tomography with (18F) fluoro-2-deoxy-D-glucose in the low-grade glioma. Neurosurgery 39(3):470-6 476-74, 1996.
218. Derlon JM, Petit-Taboué MC, Dauphin F, Chourteoux P, Chapon F, Creissard P, Darcel F, Houtteville JP: The in vivo metabolic assesment of benign brain gliomas with PET: different patterns and their implications. J Neurooncol 21:1-9, 1994.
219. DiChiro G, Books RA, Patronas NJ, Bairmian D, Kornblith PL, Smith BH, Mansi L, Baker J: Issues in the in vivo measurement of glucose metabolism of human central nervous system tumours. Ann Neurol 15 Suppl. S1:38-46, 1984.
220. Glantz MJ, Hoffman JM, Coleman RE, Friedman A H, Hanson MW, Burger PC, Herndon JE 2d, Meisler WJ, Schold SC Jr: Identification of early recurrence of primary central nervous system tumors by (18F) fluorodeoxyglucose positron emission tomography. Ann Neurol 29 (4):347-55, 1991.
221. Janus TJ, Kim EE, Tilbury R, Bruner JM, Yung WK: Use of (18F) fluorodexyglucose positron emission tomography in patients with primary malignant brain tumors. Ann Neurol 33(5):540-8, 1993.

222. Valk PE, Budinger TF, Levin VA, Silver P, Gutin PH, Doyle WK: PET of malignant cerebral tumors after interstitial brachytherapy. Demonstration of metabolic activity and correlation with clinical outcome. *J Neurosurg* 69(6):830-8, 1988.
223. Wahl RL, Quint LE, Cieslak RD, Aisen AM, Koeppe RA, Meyer CR: "Anatomometabolic" tumor imaging: fusion of FDG PET with CT or MRI to localize foci of increased activity. *J Nucl Med* 34: 1190-7, 1993.
224. Beauchesne P, Soler C, Maatougui K, Schmitt T, Barral FG, Michel D, Dubois F, Brunon J: Is cerebral tomoscintigraphy with 99mTc-MIBI useful in the diagnosis of local recurrence in patients with malignant gliomas? *Cancer Radiother* 2(1):42-48, 1998.
225. Bernstein M, Laperriere NJ: A critical appraisal of the role of brachytherapy for pediatric brain tumors. *Pediatr Neurosurg* 16:213-218, 1990-1991.
226. Herholz K, Holzer T, Bauer B, Schroder R, Voges J, Ernestus RI, Mendoza G, Weber-Luxenburger G, Lottgen J, Thiel A, Wienhard K, Heiss WD: 11C-methionine PET for differential diagnosis of low-grade gliomas. *Neurology*. 50(5):1316-22, 1998.
227. Sonoda Y, Kumabe T, Takahashi T, Shirane R, Yoshimoto T: Clinical usefulness of 11C-MET PET and 201Tl SPECT for differentiation of recurrent glioma from radiation necrosis. *Neurol Med Chir (Tokyo)* 38:342-7, 1998.
228. Viader F, Derlon JM, Petit-Tavoué MC, Shisido F, Hubert P, Houtteville JP, Chourteoux P, Chapon F: Recurrent oligodendroglioma diagnosed with 11C-L-methionine and PET: a case report. *Eur Neurol* 33:248-251, 1993.
229. Voges, Sturm V: Interstitial irradiation with stereotactically implanted I 125 seeds for the treatment of cerebral glioma. *Crit Rev Neurosurg* 9:223-233, 1999.
230. Weaver K, Smith V, Lewis JD et al: A CT-based computerized treatment planning system for I-125 stereotactic brain implants. *Int J Radiat Oncol Biol Phys* 18:445-454, 1990.
231. Treuer H, Klein D, Maarouf M, Lehrke R, Voges J, Sturm V: Accuracy and conformity of stereotactically guided interstitial brain tumour therapy using I-125 seeds. *Radiother Oncol* 77:202-209, 2005.
232. Cohen L: The tissue volume factor in radiation oncology. *Int J Radiat Oncol Biol Phys* 8:1771-1774, 1982.
233. Mandell L, Kadota R, Douglass EC, Fontanesi J, Freeman C, Cohen M, Kovnar E, Burger P, Sanford RA, Kepner J, Friedman H, Kun L: Is it time to rethink the role of hyperfractionated radiotherapy in the management of children with newly diagnosed brainstem glioma? Results of a pediatric oncology group phase III trial comparing conventional vs hyperfractionated radiotherapy. Proceedings of the 39th Annual ASTRO Meeting. Orlando, Florida, 19-23 October 1997. *Int J Radiation Oncology Biol Phys* 39(S2):143, 1997.
234. Verhey JL, Smith V, Serago FC: Comparison of radiosurgery treatment modalities based on physical dose distributions. *Int J Radiat Oncol Biol Phys* 40:497-505, 1998.

235. Yu C, Luxton G, Jozsef G, Apuzzo MLJ, Petrovich Z: Dosimetric Comparison of Three Photon Radiosurgery Techniques for an Elongated Ellipsoid Target. *Int J Radiat Oncol Biol Phys* 45:817-826, 1999.
236. Mundinger F: CT-guided stereotactic biopsy and interstitial curie-therapy with Ir-192 and I-125 of non-resectable midline and brain stem gliomas, in Samii M (ed): *Surgery In and Around the Brain Stem and the Third Ventricle*. Berlin: Springer-Verlag, pp 509-517, 1986.
237. Mundinger F: CT-stereotactic biopsy for optimizing the therapy of intracranial processes. *Acta Neurochir Suppl* 35:70-74, 1985.
238. Mundinger F: Dosimetry in imaging-stereotactic interstitial curietherapy (brachycurietherapy) with iridium-192 and iodine-125. Application in nonresectable brain tumors and recurrences. *Neurosurg: State Art Rev* 4(Suppl):75-94, 1989.
239. Mundinger F: Stereotactic interstitial therapy of nonresectable intracranial tumours with iridium-192 and iodine-125, in Kärcher KH, Kogenlik HD, Reinartz G (eds): *Progress in Radio-Oncology II*. New York: Raven Press, pp 371-380, 1982.
240. Mundinger F, Birg W, Ostertag B: Treatment of small cerebral gliomas with CT-aided stereotaxic curietherapy. *Neuroradiology* 16:564-567, 1978.
241. Ostertag CB, Groothuis D, Kleihues P: I. Effects on tumour and brain. Experimental data on early and late morphologic effects of permanently implanted gamma and beta sources (¹⁹²Iridium, ¹²⁵Iodine and ⁹⁰Yttrium) in the brain. *Acta Neurochir Suppl* 33:271-280, 1984.
242. Ostertag CB, Warnke P, Kleihues P, et al: Iodine-125 interstitial irradiation of virally induced dog brain tumours. *Neurol Res* 6:176-180, 1984.
243. Hall EJ: The biological basis of endocurietherapy: The Henschke memorial lecture 1984. *Endocurie Hypertherm Oncol* 1:141-152, 1985.
244. Hall EJ: *Radiobiology for the radiologist*. Philadelphia: J B Lippincott Co, 1988.
245. Hall EJ, Bedford JS, Oliver R: Extreme hypoxia, its effect on the survival of mammalian cells irradiated at high and low dose-rates. *Br J Radiol* 39:302-307, 1966.
246. Petito CK, De Girolami U, Earle KM: Craniopharyngiomas: a clinical and pathological review. *Cancer* 37:1944-1954, 1976.
247. Fischer AV, Hohlfelder H: Lokales Amiloid in Gehirn eine Spätfolge von Röntgenbestrahlungen. *Dtsch Z Schr* 227-475, 1930.
248. Scholz W : *Klin. WWschr.* 9/2:189, 1935.
249. Zülch K J: Roentgen sensitivity of cerebral tumors and so called late radionecrosis. *Acta Radiol* 8:92, 1969.

250. Harder W.A: Zur Pathologischen Anatomie und Pathogenese des Röntgenspätschadens des Zentralnervensystems. Untersuchungen am Kaninchenhirn. Inaugural –Dissertation an der Universität Köln 1965.
251. Arnold A, Bailey P: Arch Pathol 57:383, 1974.
252. Berg NO, Lindgren M: Time-dose relationship and morphology of delayed lesions of the brain in rabbits. Acta Radiol Suppl 167, 1958.
253. Lindgren M: On tolerance of brain tissue and sensitivity of brain tumours to irradiation Acta Radiol Suppl 170, 1958.
254. Boden G: Radiation myelitis of the brainstem. J Fac Radiol, 1950.
255. Batley F: Radiotherapy of Brain Tumours. Julian R Youmans. Neurological Surgery Vol III.1504 WB Saunders Co, 1973.
256. Takeuchi J, Hanakita J, Abe M, Handa M: Brain Necrosis after Repeated Radiotherapy. Surg Neurol 5:89, 1976.
257. Peck FC, Mc Govern ER: Radiation necrosis of the brain in acromegaly. J Neurosurg 25:36, 1966.
258. Pennybacker J, Russel DS: Neurosis of the brain due to radiation therapy: clinical and pathological observations. J Neurosurg Psychiatr 11:183, 1948.
259. Falini B, Flenghi L, Pileri S, Gambacorta M, Bigerna B, Durkop H, et al: PG-M1: A new monoclonal antibody directed against a fixative-resistant epitope on the macrophage-restricted form of the CD68 molecule. Am J Pathol 142:1359-72, 1993.
260. Pulford KAF, Rigney EM, Micklem KJ, Jones M, Stross WP, Gatter KC, et al: KP1: A new monoclonal antibody that detects a monocyte/macrophage associated antigen in routinely processed tissue sections. J Clin Pathol 42:414-21, 1989.
261. Gown AM, Tsukada T, Ross R: Human atherosclerosis. II. Immunocytochemical analysis of the cellular composition of human atherosclerotic lesions. Am J Pathol 125:191-207, 1986.

6. KÖSZÖNETNYILVÁNÍTÁS

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