

RANDY L. JENSEN, MD, PhD PUBLICATIONS

PEER-REVIEWED JOURNAL ARTICLES

1. **Jensen RL**, Origitano TC, Lee YS, Weber M, Wurster RD. (1995). In vitro growth inhibition of growth factor-stimulated meningioma cells by calcium channel antagonists. *Neurosurgery*, 36(2), 365-73; discussion 373-4.
2. **Jensen RL**, Lee YS, Gujrati M, Origitano TC, Wurster RD, Reichman OH. (1995). Inhibition of in vitro meningioma proliferation after growth factor stimulation by calcium channel antagonists: Part II--Additional growth factors, growth factor receptor immunohistochemistry, and intracellular calcium measurements. *Neurosurgery*, 37(5), 937-46; discussion 946-7.
3. **Jensen RL**, Stone JL, Hayne RA. (1996). Introduction of the human Horsley-Clarke stereotactic frame. *Neurosurgery*, 38(3), 563-7; discussion 567.
4. **Jensen RL**, Hahn YS, Ciro E. (1997). Risk factors of intracranial pressure monitoring in children with fiberoptic devices: a critical review. *Surg Neurol*, 47(1), 16-22.
5. **Jensen RL**, Stone JL. (1997). Benjamin Winslow Dudley and early American trephination for posttraumatic epilepsy. *Neurosurgery*, 41(1), 263-8.
6. **Jensen RL**, Leppla D, Rokosz N, Wurster RD. (1998). Matrigel augments xenograft transplantation of meningioma cells into athymic mice. *Neurosurgery*, 42(1), 130-5; discussion 135-6.
7. Kristopaitis T, **Jensen R**, Gujrati M. (1999). Clostridium perfringens: a rare cause of postoperative spinal surgery meningitis. *Surg Neurol*, 51(4), 448-50; discussion 450-1.
8. Jellish WS, **Jensen RL**, Anderson DE, Shea JF. (1999). Intraoperative electromyographic assessment of recurrent laryngeal nerve stress and pharyngeal injury during anterior cervical spine surgery with Caspar instrumentation. *J Neurosurg*, 91(2 Suppl), 170-4.
9. **Jensen RL**, Petr M, Wurster RD. (2000). Calcium channel antagonist effect on in vitro meningioma signal transduction pathways after growth factor stimulation. *Neurosurgery*, 46(3), 692-702; discussion 702-3.
10. Galloway EB 3rd, **Jensen RL**, Dailey AT, Thompson BG, Shelton C. (2000). Role of topical steroids in reducing dysfunction after nerve injury. *Laryngoscope*, 110(11), 1907-10.
11. Shrieve DC, Watson GA, **Jensen RL**, and Leavitt DL. (2001). Conformity of LINAC-based stereotactic radiosurgery using dynamic conformal arcs and mini-multileaf collimator. *Int J Radiat Oncol Biol Phys*, 51(Suppl 1), 126.
12. **Jensen RL**, Wurster RD. (2001). Calcium channel antagonists inhibit growth of subcutaneous xenograft meningiomas in nude mice. *Surg Neurol*, 55(5), 275-83.
13. **Jensen RL**, Soleau S, Bhayani MK, Christiansen D. (2002). Expression of hypoxia inducible factor-1 alpha and correlation with preoperative embolization of meningiomas. *J Neurosurg*, 97(3), 658-67.
14. Kan P, **Jensen RL**. (2003). Primary Malignant Cerebropontine Angle Melanoma presenting as presumed meningioma: Case report and review of the literature. *Skull Base Surg*, 13, 159-166.
15. Liu JK, Schmidt MH, MacDonald JD, **Jensen RL**, Couldwell WT. (2003). Hypophysial transposition (hypophysopexy) for radiosurgical treatment of pituitary tumors involving the cavernous sinus. Technical note. *Neurosurg Focus*, 14(5), e11.
16. **Ragel B and Jensen RL**. (2004). Pathophysiology of Meningiomas. *Seminars in Neurosurgery*, 14, 169-185.
17. Gilbert ME, Shelton C, McDonald A, Salzman KL, Harnsberger HR, Sharma PK, **Jensen RL**. (2004). Meningioma of the jugular foramen: glomus jugulare mimic and surgical challenge. *Laryngoscope*, 114(1), 25-32.
18. Shrieve DC, Hazard L, Boucher K, **Jensen RL**. (2004). Dose fractionation in stereotactic radiotherapy for parasellar meningiomas: radiobiological considerations of efficacy and optic nerve tolerance. *J Neurosurg*, 101 Suppl 3, 390-5.
19. Roger L, **Jensen RL**, Perry A. (2005). Chasing your dural tail. *Int J Radiat Oncol Biol Phys*, 62, 616-618.
20. Patel SJ, Shapiro WR, Laske DW, **Jensen RL**, Asher AL, Wessels BW, Carpenter SP, Shan JS. (2005). Safety and feasibility of convection-enhanced delivery of Cotara for the treatment of malignant glioma: initial experience in 51 patients. *Neurosurgery*, 56(6), 1243-52; discussion 1252-3.
21. Ragel BT, **Jensen RL**, Gillespie DL, Prescott SM, Couldwell WT. (2005). Ubiquitous expression of cyclooxygenase-2 in meningiomas and decrease in cell growth following in vitro treatment with the inhibitor celecoxib: potential therapeutic application. *J Neurosurg*, 103(3), 508-17.
22. McCall T, Rao G, **Jensen RL**. (2006). Development and rapid growth of a desmoid tumor in the surgical corridor following suboccipital craniotomy for recurrent low-grade astrocytoma. *J Neurooncol*, 80(167), 170.
23. Rogers LR, Sills AK, Vogelbaum MA, Suh JH, Rock JP, Ellis TI, Stieber VW, Asher AL, Fraser RW, Billingsley JS, Arrambid S, **Jensen RL**. (2006). Initial results of phase II study utilizing the Gliasite RTS for the treatment of a

- resected single brain metastasis. *J Neurosurg*, 105(375), 384.
24. Chern SS, Leavitt DD, **Jensen R Shrieve DC**. (2006). Is smaller better? Comparison of 3 mm and 5 mm leaf size for stereotactic radiosurgery: A dosimetry study. *Int J Radiat Oncol Biol Phys*, 66(4 suppl), S76-81.
 25. **Jensen RL**, O'Rourke D, Sampson J, Warnick R, Sawaya R. (2006). Resident training in Neuro Oncology. Survey results of North American Training Programs. *J Neurooncol*, 77(241), 246.
 26. Rao G, Klimo P, Thompson CJ, Samlowski W, Chang M, Watson G, **Shrieve D Jensen RL**. (2006). Stereotactic radiosurgery as therapy for melanomas, renal carcinoma, and sarcoma brain metastases: Impact of added surgical resection and whole brain radiotherapy. *Int J Radiat Oncol Biol Phys*, 66(4), Suppl.
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 28. **Jensen RL**, Caamano E, Jensen EM, Couldwell WT. (2006). Development of contrast enhancement after long-term observation of a dysembryoplastic neuroepithelial tumor. *J Neurooncol*, 78(1), 59-62.
 29. Ragel BT, Osborn AG, Whang K, Townsend JJ, **Jensen RL**, Couldwell WT. (2006). Subependymomas: an analysis of clinical and imaging features. *Neurosurgery*, 58(5), 881-90; discussion 881-90.
 30. Rao G, Klimo P Jr, **Jensen RL**, MacDonald JD, Couldwell WT. (2006). Surgical strategies for recurrent craniofacial meningiomas. *Neurosurgery*, 58(5), 874-80; discussion 874-80.
 31. **Jensen RL**, Ragel BT, Whang K, Gillespie D. (2006). Inhibition of hypoxia inducible factor-1alpha (HIF-1alpha) decreases vascular endothelial growth factor (VEGF) secretion and tumor growth in malignant gliomas. *J Neurooncol*, 78(3), 233-47.
 32. Rong Y, Hu F, Huang R, Mackman N, Horowitz JM, **Jensen RL**, Durden DL, Van Meir EG, Brat DJ. (2006). Early growth response gene-1 regulates hypoxia-induced expression of tissue factor in glioblastoma multiforme through hypoxia-inducible factor-1-independent mechanisms. *Cancer Res*, 66(14), 7067-74.
 33. Ragel BT, Gillespie DL, Kushnir V, Plevaya N, Kelly D, **Jensen RL**. (2006). Calcium channel antagonists augment hydroxyurea- and ru486-induced inhibition of meningioma growth in vivo and in vitro. *Neurosurgery*, 59(5), 1109-20; discussion 1120-1.
 34. Wang XL, **Jensen RL**, and Lu ZR. (01/01/2007). A Novel Environment-Sensitive Biodegradable Polydisulfide Protunable Pendants for Nucleic Acid Delivery. *J Control Release*, (120), 250-258.
 35. Ragel BT, Couldwell WT, Wurster RD, **Jensen RL**. (2007). Chronic suppressive therapy with calcium channel antagonists for refractory meningiomas. *Neurosurg Focus*, 23(4), E10.
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 37. Smock K, She R, **Jensen R**, Crim J, Layfield L and Chin S. (2007). Malignant solitary fibrous tumor of the sciatic nerve: a case report and review of the literature. Submitted to the Am J of Surg Path. *Am J Surg Pathol*.
 38. Ragel BT, **Jensen RL**, Gillespie DL, Prescott SM, Couldwell WT. (2007). Celecoxib inhibits meningioma tumor growth in a mouse xenograft model. *Cancer*, 109(3), 588-97.
 39. Gillespie DL, Whang K, Ragel BT, Flynn JR, Kelly DA, **Jensen RL**. (2007). Silencing of hypoxia inducible factor-1alpha by RNA interference attenuates human glioma cell growth in vivo. *Clin Cancer Res*, 13(8), 2441-8.
 40. Samlowski WE, Watson GA, Wang M, Rao G, Klimo P Jr, Boucher K, Shrieve DC, **Jensen RL**. (2007). Multimodality treatment of melanoma brain metastases incorporating stereotactic radiosurgery (SRS). *Cancer*, 109(9), 1855-62.
 41. Kan P, Liu JK, Wendland MM, Shrieve D, **Jensen RL**. (2007). Peritumoral edema after stereotactic radiosurgery for intracranial meningiomas and molecular factors that predict its development. *J Neurooncol*, 83(1), 33-8.
 42. Ragel BT, **Jensen RL**, Gillespie DL, Couldwell WT. (2007). Identification of hypoxia-induced genes in a malignant glioma cell line (U251) by cDNA microarray analysis. *Neurosurg Rev*, 30(3), 181-187.
 43. Majer M, **Jensen RL**, Shrieve DC, Watson GA, Wang M, Leachman SA, Boucher KM, Samlowski WE. (2007). Biochemotherapy of metastatic melanoma in patients with or without recently diagnosed brain metastases. *Cancer*, 110(6), 1329-37.
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 45. Samlowski WE, **Jensen RL**, Shrieve DC. (2007). Multimodality management of brain metastases in metastatic melanoma patients. *Expert Rev Anticancer Ther*, 7(12), 1699-705.
 46. Ragel BT, Elam IL, Gillespie DL, Flynn JR, Kelly DA, Mabey D, Feng H, Couldwell WT, **Jensen RL**. (2008). A novel model of intracranial meningioma in mice using luciferase-expressing meningioma cells. Laboratory investigation. *J Neurosurg*, 108(2), 304-10.
 47. **Jensen RL**, Wendland MM, Chern SS, Shrieve DC. (2008). Novalis intensity-modulated radiosurgery: methods for

- pretreatment planning. *Neurosurgery*, 62(5 Suppl), A2-9; discussion A9-10.
48. Hazard LJ, Wang B, Skidmore TB, Chern SS, Salter BJ, **Jensen RL**, Shrieve DC. (2009). Conformity of Linear Accelerator-based Stereotactic Radiosurgery Using Dynamic Conformal Arcs or Intensity Modulation and Micro-Multileaf Collimator. *Int J Radiat Oncol Biol Phys*, 73(2), 562-570.
 49. Ragel BT, Couldwell WT, Gillespie DL, Wendland MM, Whang K, **Jensen RL**. (2008). A comparison of the cell lines used in meningioma research. *Surg Neurol*, 70(3), 295-307; discussion 307.
 50. Flynn JR, Wang L, Gillespie DL, Stoddard GJ, Reid JK, Owens J, Ellsworth GB, Salzman KL, Kinney AY, **Jensen RL**. (2008). Hypoxia-regulated protein expression, patient characteristics, and preoperative imaging as predictors of survival in adults with glioblastoma multiforme. *Cancer*, 113(5), 1032-42.
 51. Samlowski WE, Majer M, Boucher KM, Shrieve AF, Dechet C, **Jensen RL**, Shrieve DC. (2008). Multidisciplinary treatment of brain metastases derived from clear cell renal cancer incorporating stereotactic radiosurgery. *Cancer*, 113(9), 2539-48.
 52. Niazi TN, Jensen EM, **Jensen RL**. (2009). WHO Grade II and III supratentorial hemispheric ependymomas in adults: case series and review of treatment options. *J Neurooncol*, 91(3), 323-8.
 53. **Jensen RL**. (2009). Brain tumor hypoxia: tumorigenesis, angiogenesis, imaging, pseudoprogression, and as a therapeutic target. *J Neurooncol*, 92(3), 317-35.
 54. Wang XL, Xu R, Xu X, Gillespie D, **Jensen RL**, Lu ZR. (2009). Targeted systemic delivery of a therapeutic siRNA with a multifunctional carrier controls tumor proliferation in mice. *Mol Pharm*, 6(3), 738-746.
 55. Chang EF, Clark A, **Jensen RL**, Bernstein M, Guha A, Carrabba G, Mukhopadhyay D, Kim W, Liao LM, Chang SM, Smith JS, Berger MS, McDermott MW. (2009). Multiinstitutional validation of the University of California at San Francisco Low-Grade Glioma Prognostic Scoring System. *J Neurosurg*, 111(2), 203-10.
 56. Soffiatti R, Akerley W, **Jensen RL**, Bischoff J, Regierer AC. (2009). The role of intra-cerebrospinal fluid treatment and prophylaxis in patients with solid tumors. *Semin Oncol*, 36(4 Suppl 2), S55-68.
 57. Soffiatti R, Akerley W, **Jensen RL**, Bischoff J, Regierer AC. (2009). The Role of Intra-cerebrospinal Fluid Treatment and Prophylaxis in Patients With Solid Tumors. *Semin Oncol*, 36(Suppl 2), S55-S68.
 58. Mumert ML, Walsh MT, Jensen EM, **Jensen RL**. (2009). Pleomorphic liposarcoma originating from intracranial dura mater. *J Neurooncol*. (Epub ahead of print).

NON PEER-REVIEWED JOURNAL ARTICLES

1. **Jensen RL**, Shrieve AF, Samlowski W, Shrieve DC. (2008). Outcomes of patients with brain metastases from melanoma and renal cell carcinoma after primary stereotactic radiosurgery. *Clin Neurosurg*, 55, 150-9.
2. Gillespie DL, Flynn JR, Ragel BT, Arce-Larreta M, Kelly DA, Tripp SR, **Jensen RL**. (2009). Silencing of HIF-1alpha by RNA interference in human glioma cells in vitro and in vivo. *Methods Mol Biol*, 487, 283-301.

REVIEW ARTICLES

1. **Jensen RL**, Stone JL, Hayne R. (1995). Use of the Horsley-Clarke stereotactic frame in humans. *Stereotact Funct Neurosurg*, 65(1-4), 194-7.
2. **Jensen RL**. (1998). Growth factor-mediated angiogenesis in the malignant progression of glial tumors: a review. *Surg Neurol*, 49(2), 189-95; discussion 196.
3. **Jensen RL**. (2004). Cauda equina syndrome as a postoperative complication of lumbar spine surgery. *Neurosurg Focus*, 16(6), e7.
4. Hazard LJ, **Jensen RL**, Shrieve DC. (2005). Role of stereotactic radiosurgery in the treatment of brain metastases. *Am J Clin Oncol*, 28(4), 403-10.
5. Ragel BT, **Jensen RL**. (2005). Molecular genetics of meningiomas. *Neurosurg Focus*, 19(5), E9.
6. **Jensen RL**. (2006). Hypoxia in the tumorigenesis of gliomas and as a potential target for therapeutic measures. *Neurosurg Focus*, 20(4), E24.
7. Kan P, Gottfried ON, Blumenthal DT, Liu JK, Salzman KL, Townsend J, **Jensen RL**. (2006). Primary spinal yolk sac tumor with brain metastasis: case report and review of the literature. *J Neurooncol*, 78(3), 249-53.
8. McCall T, Binning M, Blumenthal DT, **Jensen RL**. (2006). Variations of disseminated choroid plexus papilloma: 2 case reports and a review of the literature. *Surg Neurol*, 66(1), 62-7; discussion 67-8.

OTHER (Commentary/Letters/Editorials/Case Reports/Video/Film)

Case Reports

1. Rao G, **Jensen RL**. (2003). Coexistent cerebral metastasis and cavernous malformation. *J Neurol Neurosurg Psychiatry*, 74(1), 105.

2. Ragel B, **Jensen RL**. (2003). New approaches for the treatment of refractory meningiomas. *Cancer Control*, 10(2), 148-58.
3. Liu JK, O'Neill B, Orlandi RR, Moscatello AL, **Jensen RL**, Couldwell WT. (2003). Endoscopic-assisted craniofacial resection of esthesioneuroblastoma: minimizing facial incisions--technical note and report of 3 cases. *Minim Invasive Neurosurg*, 46(5), 310-5.
4. **Jensen RL**, Gillespie D, House P, Layfield L, Shelton C. (2004). Endolymphatic sac tumors in patients with and without von Hippel-Lindau disease: the role of genetic mutation, von Hippel-Lindau protein, and hypoxia inducible factor-1alpha expression. *J Neurosurg*, 100(3), 488-97.
5. Kan P, Gottfried O, Blumenthal DT, Townsend JJ, Drozd-Borysiuk E, Brothman AR, **Jensen RL**. (2004). Oligodendroglioma and juvenile pilocytic astrocytoma presenting as synchronous primary brain tumors. Case report with histological and molecular differentiation of the tumors and review of the literature. *J Neurosurg*, 100(4), 700-5.
6. House P, Salzman KL, Osborn AG, MacDonald JD, **Jensen RL**, Couldwell WT. (2004). Surgical considerations regarding giant dilations of the perivascular spaces. *J Neurosurg*, 100(5), 820-4.
7. Ragel BT, Blumenthal DT, Browd SR, Salzman KL, **Jensen RL**. (2006). Intracerebral amyloidoma can mimic high-grade glioma on magnetic resonance imaging and spectroscopy. *Arch Neurol*, 63(6), 906-7.
8. Blumenthal DT, Salzman KL, Digre KB, **Jensen RL**, Dunson WA, Dalmau J. (2006). Early pathologic findings and long-term improvement in anti-Ma2-associated encephalitis. *Neurology*, 67(1), 146-9.
9. Finn MA, Blumenthal DT, Salzman KL, **Jensen RL**. (2007). Transient postictal MRI changes in patients with brain tumors may mimic disease progression. *Surg Neurol*, 67(3), 246-50; discussion 250.

PENDING PUBLICATIONS

Journal Articles

1. Wang, XL, **Jensen RL**, Lu ZR. (Submitted). A stimuli-responsive cationic polydisulfide for efficient nucleic acid delivery. *J Am Coll Surg*.
2. Gupta KD, Baker DL, Robinson JC, **Jensen RL**, Egan TD. (Submitted). Cerebral venous sinus thrombosis as a cause of delayed awakening and severe cerebral edema during an awake craniotomy for speech mapping. Submitted to *Neuroanesthesia. J Neurosurg Anesthesiol*.