

WILLIAM T. COULDWELL, MD, PhD PUBLICATIONS

PEER-REVIEWED JOURNAL ARTICLES

1. Giannotta SL, **Couldwell WT**. (1989). How and when to recognize aneurysmal subarachnoid hemorrhage. *J Crit Illn*, 4, 49-65.
2. **Couldwell WT**, Apuzzo ML. (1990). Initial experience related to the use of the Cosman-Roberts-Wells stereotactic instrument. Technical note. *J Neurosurg*, 72(1), 145-8.
3. Apuzzo ML, Neal JH, Waters CH, Appley AJ, Boyd SD, **Couldwell WT**, Wheelock VH, Weiner LP. (1990). Utilization of unilateral and bilateral stereotactically placed adrenomedullary-striatal autografts in parkinsonian humans: rationale, techniques, and observations. *Neurosurgery*, 26(5), 746-57.
4. **Couldwell WT**, Antel JP, Apuzzo ML, Yong VW. (1990). Inhibition of growth of established human glioma cell lines by modulators of the protein kinase-C system. *J Neurosurg*, 73(4), 594-600.
5. **Couldwell WT**, Zee CS, Apuzzo ML. (1991). Definition of the role of contemporary surgical management in cisternal and parenchymatous cysticercosis cerebri. *Neurosurgery*, 28(2), 231-7.
6. **Couldwell WT**, Dore-Duffy P, Apuzzo ML, Antel JP. (1991). Malignant glioma modulation of immune function: relative contribution of different soluble factors. *J Neuroimmunol*, 33(2), 89-96.
7. **Couldwell WT**, Uhm JH, Antel JP, Yong VW. (1991). Enhanced protein kinase C activity correlates with the growth rate of malignant gliomas in vitro. *Neurosurgery*, 29(6), 880-6; discussion 886-7.
8. **Couldwell WT**, Fankhauser H, de Tribolet N. (1992). Osseous metastases from a benign intraventricular meningioma. Case report. *Acta Neurochir (Wien)*, 117(3-4), 195-9.
9. **Couldwell WT**, Yong VW, Dore-Duffy P, Freedman MS, Antel JP. (1992). Production of soluble autocrine inhibitory factors by human glioma cell lines. *J Neurol Sci*, 110(1-2), 178-85.
10. **Couldwell WT**, Fraser G, De Vellis G, Antel JP, Villemure JG, Yong VW. (1992). Malignant glioma-derived soluble factors regulate proliferation of normal adult human astrocytes. *J Neuropathol Exp Neurol*, 51(5), 506-13.
11. **Couldwell WT**, Antel JP, Yong VW. (1992). Protein kinase C activity correlates with the growth rate of malignant gliomas: Part II. Effects of glioma mitogens and modulators of protein kinase C. *Neurosurgery*, 31(4), 717-24; discussion 724.
12. **Couldwell WT**, Weiss MH. (1993). Intracranial pressure monitoring as a management option in patients with liver failure. *J Crit Illn*, 8, 329-330.
13. **Couldwell WT**, Weiss MH, DeGiorgio CM, Weiner LP, Hinton DR, Ehresmann GR, Conti PS, Apuzzo ML. (1993). Clinical and radiographic response in a minority of patients with recurrent malignant gliomas treated with high-dose tamoxifen. *Neurosurgery*, 32(3), 485-9; discussion 489-90.
14. Baltuch GH, Dooley NP, **Couldwell WT**, Yong VW. (1993). Staurosporine differentially inhibits glioma versus non-glioma cell lines. *J Neurooncol*, 16(2), 141-7.
15. Schneider JH, Weiss MH, **Couldwell WT**. (1993). Development of neurosurgery in southern California and the Los Angeles county/University of Southern California Medical Center. *J Neurosurg*, 79(1), 145-8.
16. **Couldwell WT**, Fukushima T. (1993). Cosmetic mastoidectomy for the combined supra/infratentorial transtemporal approach. Technical note. *J Neurosurg*, 79(3), 460-1.
17. Ahmadi J, Hinton DR, Segall HD, **Couldwell WT**, Stanley RB. (1993). Dural invasion by craniofacial and calvarial neoplasms: MR imaging and histopathologic evaluation. *Radiology*, 188(3), 747-9.
18. Baltuch GH, **Couldwell WT**, Villemure JG, Yong VW. (1993). Protein kinase C inhibitors suppress cell growth in established and low-passage glioma cell lines. A comparison between staurosporine and tamoxifen. *Neurosurgery*, 33(3), 495-501; discussion 501.
19. **Couldwell WT**, Simard MF, Weiss MH. (1994). Management of pituitary adenomas. *Neurosurg Q*, 4, 248-274.
20. Grafton ST, Sutton J, **Couldwell WT**, Lew M, Waters C. (1994). Network analysis of motor system connectivity in Parkinson's disease: modulation of thalamocortical interactions after pallidotomy. *Hum Brain Mapp*, 2, 45-55.
21. **Couldwell WT**, Hinton DR, He S, Chen TC, Sebat I, Weiss MH, Law RE. (1994). Protein kinase C inhibitors induce apoptosis in human malignant glioma cell lines. *FEBS Lett*, 345(1), 43-6.
22. Rabinowicz AL, Correale JD, **Couldwell WT**, DeGiorgio CM. (1994). CSF neuron-specific enolase after methohexital activation during electrocorticography. *Neurology*, 44(6), 1167-9.
23. **Couldwell WT**, Chen TC, Weiss MH, Fukushima T, Dougherty W. (1994). Cranioplasty with the Medpor porous polyethylene flexblock implant. Technical note. *J Neurosurg*, 81(3), 483-6.
24. Ahmadi J, Hinton DR, Segall HD, **Couldwell WT**. (1994). Surgical implications of magnetic resonance-enhanced dura. *Neurosurgery*, 35(3), 370-7; discussion 377.

25. **Couldwell WT**, Gopalakrishna R, Hinton DR, He S, Weiss MH, Law RE, Apuzzo ML, Law RE. (1994). Hypericin: a potential antiglioma therapy. *Neurosurgery*, 35(4), 705-9; discussion 709-10.
26. Chen TC, Hinton DR, Leichman L, Atkinson RD, Apuzzo ML, **Couldwell WT**. (1994). Multifocal inflammatory leukoencephalopathy associated with levamisole and 5-fluorouracil: case report. *Neurosurgery*, 35(6), 1138-42; discussion 1142-3.
27. Jones KD, **Couldwell WT**, Hinton DR, Su Y, He S, Anker L, Law RE. (1994). Lovastatin induces growth inhibition and apoptosis in human malignant glioma cells. *Biochem Biophys Res Commun*, 205(3), 1681-7.
28. **Couldwell WT**, Weiss MH, Law RE, Hinton DR. (1995). Paradoxical elevation of Ki-67 labeling with protein kinase inhibition in malignant gliomas. *J Neurosurg*, 82(3), 461-8.
29. Rabinowicz AL, Hinton DR, Dyck P, **Couldwell WT**. (1995). High-dose tamoxifen in treatment of brain tumors: interaction with antiepileptic drugs. *Epilepsia*, 36(5), 513-5.
30. DeGiorgio CM, **Couldwell WT**, Henderson C, Rabinowicz AL. (1995). Limited efficacy of experimental anti-epileptic drugs in refractory temporal lobe epilepsy: implications for patient management and study recruitment. *Seizure*, 4(2), 135-8.
31. Grafton ST, Waters C, Sutton J, Lew MF, **Couldwell W**. (1995). Pallidotomy increases activity of motor association cortex in Parkinson's disease: a positron emission tomographic study. *Ann Neurol*, 37(6), 776-83.
32. Zhang W, Law RE, Hinton DR, Su Y, **Couldwell WT**. (1995). Growth inhibition and apoptosis in human neuroblastoma SK-N-SH cells induced by hypericin, a potent inhibitor of protein kinase C. *Cancer Lett*, 96(1), 31-5.
33. Sun JK, LeMay DR, **Couldwell WT**, Zee C. (1995). Frontal foramina in pediatric skull in cases of congenital hydrocephalus. *Radiology*, 197(2), 497-9.
34. Stillerman CB, Chen TC, Day JD, **Couldwell WT**, Weiss MH. (1995). The transfacet pedicle-sparing approach for thoracic disc removal: cadaveric morphometric analysis and preliminary clinical experience. *J Neurosurg*, 83(6), 971-6.
35. **Couldwell WT**, Stillerman CB, Rice D, Maceri D, Sherman R, Fukushima T, Hinton DR. (1996). Malignant clival chordoma with postoperative cutaneous metastases. *Skull Base Surg*, 6(1), 61-6.
36. **Couldwell WT**, Fukushima T, Giannotta SL, Weiss MH. (1996). Petroclival meningiomas: surgical experience in 109 cases. *J Neurosurg*, 84(1), 20-8.
37. **Couldwell WT**, Law RE, Hinton DR, Gopalakrishna R, Yong VW, Weiss MH. (1996). Protein kinase C and growth regulation of pituitary adenomas. *Acta Neurochir Suppl (Wien)*, 65, 22-6.
38. Zhang W, Law RE, Hinton DR, Anker L, Weiss MH, **Couldwell WT**. (1996). Radiosensitization of malignant human glioma cells by hypericin in vitro. *Clin Cancer Res*, 2, 843-846.
39. Rabinowicz AL, Correale J, Boutros RB, **Couldwell WT**, Henderson CW, DeGiorgio CM. (1996). Neuron-specific enolase is increased after single seizures during inpatient video/EEG monitoring. *Epilepsia*, 37(2), 122-5.
40. **Couldwell WT**, Hinton DR, Surnock AA, DeGiorgio CM, Weiner LP, Apuzzo ML, Masri L, Law RE, Weiss MH. (1996). Treatment of recurrent malignant gliomas with chronic oral high-dose tamoxifen. *Clin Cancer Res*, 2(4), 619-22.
41. Zhang W, Anker L, Law RE, Hinton DR, Gopalakrishna R, Pu Q, Gundimeda U, Weiss MH, **Couldwell WT**. (1996). Enhancement of radiosensitivity in human malignant glioma cells by hypericin in vitro. *Clin Cancer Res*, 2(5), 843-6.
42. **Couldwell WT**, Weiss MH. (1996). Defining postoperative values for successful resection of prolactinomas. *Neurosurg Focus*, 1(1), e6; discussion 1p following e6.
43. Hamilton HB, Hinton DR, Law RE, Gopalakrishna R, Su YZ, Chen ZH, Weiss MH, **Couldwell WT**. (1996). Inhibition of cellular growth and induction of apoptosis in pituitary adenoma cell lines by the protein kinase C inhibitor hypericin: potential therapeutic application. *J Neurosurg*, 85(2), 329-34.
44. Ko D, Heck C, Grafton S, Apuzzo ML, **Couldwell WT**, Chen T, Day JD, Zelman V, Smith T, DeGiorgio CM. (1996). Vagus nerve stimulation activates central nervous system structures in epileptic patients during PET H₂(15)O blood flow imaging. *Neurosurgery*, 39(2), 426-30; discussion 430-1.
45. **Couldwell WT**, LeMay DR, McComb JG. (1996). Experience with use of extended length peritoneal shunt catheters. *J Neurosurg*, 85(3), 425-7.
46. **Couldwell WT**, Stillerman CB, Dougherty W. (1997). Reconstruction of the skull base and cranium adjacent to sinuses with porous polyethylene implant: preliminary report. *Skull Base Surg*, 7(2), 57-63.
47. Lefkowitz MA, Hinton DR, Weiss MH, Giannotta SL, **Couldwell WT**. (1997). Prognostic variables in surgery for skull base meningiomas. *Neurosurg Focus*, 2(4), e2.
48. **Couldwell WT**, Sabit I, Weiss MH, Giannotta SL, Rice D. (1997). Transmaxillary approach to the anterior cavernous sinus: a microanatomic study. *Neurosurgery*, 40(6), 1307-11.
49. Cloughesy TF, Woods RP, Black KL, **Couldwell WT**, Law RE, Hinton DR. (1997). Prolonged treatment with

- biologic agents for malignant glioma: a case study with high dose tamoxifen. *J Neurooncol*, 35(1), 39-45.
50. Zhang W, Law RE, Hinton DR, **Couldwell WT**. (1997). Inhibition of human malignant glioma cell motility and invasion in vitro by hypericin, a potent protein kinase C inhibitor. *Cancer Lett*, 120(1), 31-8.
 51. Das K, Rawanduzy A, **Couldwell WT**. (1998). Posterolateral approach for decompression with anterior and posterior fusion: a less invasive surgical technique for stabilization of the thoracic spine. Case report. *Neurosurg Focus*, 4(2), e3.
 52. Hinton DR, Hahn JA, Weiss MH, **Couldwell WT**. (1998). Loss of Rb expression in an ACTH-secreting pituitary carcinoma. *Cancer Lett*, 126(2), 209-14.
 53. Mastronardi L, Puzzilli F, **Couldwell WT**, Farah JO, Lunardi P. (1998). Tamoxifen and carboplatin combinational treatment of high-grade gliomas. Results of a clinical trial on newly diagnosed patients. *J Neurooncol*, 38(1), 59-68.
 54. Spencer WR, Reisacher WR, Shawl MW, **Couldwell WT**, Moscatello A, Bown-Wagner M. (1998). Imaging quiz case 1. Mucocele. *Arch Otolaryngol Head Neck Surg*, 124(9), 1046, 1048.
 55. Das K, Benzil DL, Rovit RL, Murali R, **Couldwell WT**. (1998). Irving S. Cooper (1922-1985): a pioneer in functional neurosurgery. *J Neurosurg*, 89(5), 865-73.
 56. **Couldwell WT**, Allis M. (1999). Neuro-oncology fellowships in North America. *J Neurooncol*, 41, 89-94.
 57. DeMattia J, Zhang W, couldwell WT. (1999). Tyrosine Kinase inhibitors: potential for treatment of brain tumours. *CNS Drugs*, 12, 421-430.
 58. Zhang W, **Couldwell WT**, Simard MF, Song H, Lin JH, Nedergaard M. (1999). Direct gap junction communication between malignant glioma cells and astrocytes. *Cancer Res*, 59(8), 1994-2003.
 59. Spencer WR, Das K, Nwagu C, Wenk E, Schaefer SD, Moscatello A, **Couldwell WT**. (1999). Approaches to the sellar and parasellar region: anatomic comparison of the microscope versus endoscope. *Laryngoscope*, 109(5), 791-4.
 60. Simard M, **Couldwell WT**, Zhang W, Song H, Liu S, Cotrina ML, Goldman S, Nedergaard M. (1999). Glucocorticoids-potent modulators of astrocytic calcium signaling. *Glia*, 28(1), 1-12.
 61. **Couldwell WT**. (2000). Apolipoprotein E genotype and the risk of recurrent lobar intracerebral hemorrhage. *Neurosurg Focus*, 8(2).
 62. Sabit I, Schaefer SD, **Couldwell WT**. (2000). Extradural extranasal combined transmaxillary transsphenoidal approach to the cavernous sinus: a minimally invasive microsurgical model. *Laryngoscope*, 110(2 Pt 1), 286-91.
 63. Roy NS, Benraiss A, Wang S, Fraser RA, Goodman R, **Couldwell WT**, Nedergaard M, Kawaguchi A, Okano H, Goldman SA. (2000). Promoter-targeted selection and isolation of neural progenitor cells from the adult human ventricular zone. *J Neurosci Res*, 59(3), 321-31.
 64. Spencer WR, Levine JM, **Couldwell WT**, Brown-Wagner M, Moscatello A. (2000). Approaches to the sellar and parasellar region: a retrospective comparison of the endonasal-transsphenoidal and sublabial-transsphenoidal approaches. *Otolaryngol Head Neck Surg*, 122(3), 367-9.
 65. Roy NS, Wang S, Jiang L, Kang J, Benraiss A, Harrison-Restelli C, Fraser RA, **Couldwell WT**, Kawaguchi A, Okano H, Nedergaard M, Goldman SA. (2000). In vitro neurogenesis by progenitor cells isolated from the adult human hippocampus. *Nat Med*, 6(3), 271-7.
 66. Zhang W, **Couldwell WT**, Song H, Takano T, Lin JH, Nedergaard M. (2000). Tamoxifen-induced enhancement of calcium signaling in glioma and MCF-7 breast cancer cells. *Cancer Res*, 60(19), 5395-400.
 67. Das K, Spencer W, Nwagwu CI, Schaeffer S, Wenk E, Weiss MH, **Couldwell WT**. (2001). Approaches to the sellar and parasellar region: anatomic comparison of endonasal-transsphenoidal, sublabial-transsphenoidal, and transthemoidal approaches. *Neurol Res*, 23(1), 51-4.
 68. Roy N, Wanf S, Jiang L, Kang J, Benraiss A, Harrison-Restelli C, Fraser R, **Couldwell WT**, Kawaguchi A, Okano H, Nedergaard M, Goldman SA. (2001). In vitro neurogenesis by progenitor cells isolated from the adult human hippocampus. *No Shinkei Geka*, 29(2), 195.
 69. Hornyak M, Rovit RL, Simon AS, **Couldwell WT**. (2001). Irving S. Cooper and the early surgical management of movement disorders. Video history. *Neurosurg Focus*, 11(2), E6.
 70. Liu JK, Nwagwu C, Pikus HJ, **Couldwell WT**. (2001). Laparoscopic anterior lumbar interbody fusion precipitating pituitary apoplexy. *Acta Neurochir (Wien)*, 143(3), 303-6; discussion 306-7.
 71. Liu J, Rovit RL, **Couldwell WT**. (2001). Pituitary apoplexy. *Seminars in Neurosurgery*, 12, 315-320.
 72. Das K, **Couldwell WT**, Sava G, Taddonio RF. (2001). Use of cylindrical titanium mesh and locking plates in anterior cervical fusion. Technical note. *J Neurosurg*, 94(1 Suppl), 174-8.
 73. Rovit RL, **Couldwell WT**. (2001). No ordinary time, no ordinary men: the relationship between Harvey Cushing and Franklin D. Roosevelt, 1928-1939. *J Neurosurg*, 95(2), 354-68.
 74. Spiller M, Tenner MS, **Couldwell WT**. (2001). Effect of absorbable topical hemostatic agents on the relaxation time of blood: an in vitro study with implications for postoperative magnetic resonance imaging. *J*

- Neurosurg*, 95(4), 687-93.
75. Zeman RJ, Feng Y, Peng H, Visintainer PF, Moorthy CR, **Couldwell WT**, Etlinger JD. (2001). X-irradiation of the contusion site improves locomotor and histological outcomes in spinal cord-injured rats. *Exp Neurol*, 172(1), 228-34.
 76. Liu JK, Tenner MS, Oestreich HM, **Couldwell WT**. (2001). Reversal of radiographically impending stroke with multiple intraarterial papaverine infusions in severe diffuse cerebral vasospasm induced by subarachnoid hemorrhage. *Acta Neurochir (Wien)*, 143(12), 1249-55; discussion 1256.
 77. Liu JK, Das K, Weiss MH, Laws ER Jr, **Couldwell WT**. (2001). The history and evolution of transsphenoidal surgery. *J Neurosurg*, 95(6), 1083-96.
 78. Rovit RL, **Couldwell WT**. (2002). A man for all seasons: W.W. Keen. *Neurosurgery*, 50(1), 181-90.
 79. Meiteles LZ, Liu JK, **Couldwell WT**. (2002). Hearing restoration after resection of an intracanalicular vestibular schwannoma: a role for emergency surgery? *J Neurosurg*, 96, 796-800.
 80. Rosenow J, Das K, Rovit R, **Couldwell WT**. (2002). Irving S. Cooper and his role in intracranial stimulation for movement disorders and epilepsy. *Stereotact Funct Neurosurg*, 78, 95-112.
 81. Sabit I, Schaefer S, **Couldwell WT**. (2002). Modified intratemporal fossa approach to the skull base via lateral transantral maxillotomy: a microsurgical model. *Surg Neurol*, 58(1), 21-31.
 82. Amar AP, **Couldwell WT**, Chen JCT, Weiss MH. (2002). Predictive value of immediate serum prolactin levels following transsphenoidal surgery. *J Neurosurg*, 97, 307-314.
 83. Simard M, Zhang W, Hinton DR, Chen T, Weiss MH, Su YZ, Gopalakrishna R, Law RE, **Couldwell WT**. (2002). Protein kinase C inhibition and tamoxifen induce growth arrest and apoptosis in pituitary adenomas in vitro. *Cancer Lett*, 28(185), 131-8.
 84. **Couldwell WT**, Rovit RL. (2002). Rethinking neurosurgical subspecialization - Author's response. *Surg Neurol*, 58(6), 359-370.
 85. Hahn M, Murali R, **Couldwell WT**. (2002). Tunneled lumbar drain. Technical note. *J Neurosurg*, 96(6), 1130-1131.
 86. Hasan I, Wapnick S, Tenner MS, **Couldwell WT**. (2002). Vertebral artery dissection in children: a comprehensive review. *Pediatr Neurosurg*, 37(10162291).
 87. Kreiger MD, **Couldwell WT**. (2003). Assessment of long term remission of acromegaly following surgery. *J Neurosurg*, 98, 719-724.
 88. Zhang W, DeMattia J, Song H, **Couldwell WT**. (2003). Communication between malignant glioma cells and vascular endothelial cells via gap junctions. *J Neurosurg*, 98(4), 846-853.
 89. **Couldwell WT**, Rovit RL, Weiss MH. (2003). The Role of surgery in the treatment of Microprolactinomas. *Neurosurg Clin N Am*, 14(1), 89-92.
 90. Chen JC, Amar AP, Choi S, Singer P, **Couldwell WT**, Weiss MH. (2003). Transsphenoidal microsurgical treatment of Cushing disease: postoperative assessment of surgical efficacy by application of an overnight low-dose dexamethasone suppression test. *J Neurosurg*, 98(5), 967-73.
 91. 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.
 92. Liu JK, Gottfried ON, **Couldwell WT**. (2003). Surgical management of posterior petrous meningiomas. *Neurosurg Focus*, 14(6), e7.
 93. 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.
 94. Liu JK, Decker D, Schaefer SD, Moscatello AL, Orlandi RR, Weiss MH, **Couldwell WT**. (2003). Zones of approach for craniofacial resection: minimizing facial incisions for resection of anterior cranial base and paranasal sinus tumors. *Neurosurgery*, 53(5), 1126-35; discussion 1135-7.
 95. Zhang W, Nwagwu C, Le DM, Yong VW, Song H, **Couldwell WT**. (2003). Increased invasive capacity of connexin43-overexpressing malignant glioma cells. *J Neurosurg*, 99(6), 1039-46.
 96. **Couldwell WT**, Weiss MH. (2004). Medical and surgical management of microprolactinoma. *Pituitary*, 7(1), 31-2.
 97. Liu JK, Orlandi RR, Apfelbaum RI, **Couldwell WT**. (0101). Novel closure technique for the endonasal transsphenoidal approach. Technical note. *J Neurosurg*, 100 (1), 161-4.
 98. Liu JK, Tenner MS, Gottfried ON, Stevens EA, Rosenow JM, Madan N, MacDonald JD, Kestle JR, **Couldwell WT**. (2004). Efficacy of multiple intraarterial papaverine infusions for improvement in cerebral circulation time in patients with recurrent cerebral vasospasm. *J Neurosurg*, 100(3), 414-21.
 99. Liu JK, Gottfried ON, Cole CD, Dougherty WR, **Couldwell WT**. (2004). Porous polyethylene implant for

- cranioplasty and skull base reconstruction. *Neurosurg Focus*, 16(3), ECP1.
100. Liu JK, Schaefer SD, Moscatello AL, **Couldwell WT**. (2004). Neurosurgical implications of allergic fungal sinusitis. *J Neurosurg*, 100(5), 883-90.
 101. 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.
 102. MacDonald J, **Couldwell WT**. (2004). Revision of vagal nerve stimulator electrodes: technical approach. *Acta Neurochir (Wien)*, 146(6), 567-70; discussion 570.
 103. Gottfried ON, Liu JK, **Couldwell WT**. (2004). Comparison of radiosurgery and conventional surgery for the treatment of glomus jugulare tumors. *Neurosurg Focus*, 17(2), E4.
 104. **Couldwell WT**, Weiss MH, Rabb C, Liu JK, Apfelbaum RI, Fukushima T. (2004). Variations on the standard transsphenoidal approach to the sellar region, with emphasis on the extended approaches and parasellar approaches: surgical experience in 105 cases. *Neurosurgery*, 55(3), 539-47; discussion 547-50.
 105. **Couldwell WT**, Feindel W, Rovit RL. (2004). William Osler at McGill University: the Baby Professor and his early contributions to neurosurgery. *J Neurosurg*, 101(4), 705-13.
 106. Chakabarti I, Amar AP, Couldwell, WT, Weiss MH. (2005). Long-term neurological, visual, and endocrine outcomes following transnasal resection of craniopharyngioma. *J Neurosurg*, 102, 650-657.
 107. Gottfried ON, Rovit RL, Popp AJ, Kraus KL, Simon AS, **Couldwell WT**. (2005). Neurosurgical workforce trends in the United States. *J Neurosurg*, 102(2), 202-8.
 108. Aho CJ, Liu C, Zelman V, **Couldwell WT**, Weiss MH. (2005). Surgical outcomes in 118 patients with Rathke cleft cysts. *J Neurosurg*, 102(2), 189-93.
 109. Gluf WM, O'Neill B, **Couldwell WT**. (2005). False-negative magnetic resonance angiography with extracranial internal carotid artery stenosis: a report of two cases and review of the literature. *Neurosurg Rev*, 28(2), 154-8.
 110. Liu JK, **Couldwell WT**. (2005). Far-lateral transcondylar approach: surgical technique and its application in neurenteric cysts of the cervicomedullary junction. Report of two cases. *Neurosurg Focus*, 19(2), E9.
 111. 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.
 112. Binning MJ, Gottfried ON, Osborn AG, **Couldwell WT**. (2005). Rathke cleft cyst intracystic nodule: a characteristic magnetic resonance imaging finding. *J Neurosurg*, 103(5), 837-40.
 113. Liu JK, Cohen-Gadol AA, Laws ER Jr, Cole CD, Kan P, **Couldwell WT**. (2005). Harvey Cushing and Oskar Hirsch: early forefathers of modern transsphenoidal surgery. *J Neurosurg*, 103(6), 1096-104.
 114. **Couldwell WT**, Kan P, Weiss MH. (2006). Simple closure following transsphenoidal surgery. Technical note. *Neurosurg Focus*, 20(3), E11.
 115. **Couldwell WT**, Weiss MH. (2006). Surgical Management of Rathke's Cleft Cysts. *Curr Opin Endocrinol Diabetes*, 13, 351-355.
 116. Amini A, Osborn AG, McCall TD, **Couldwell WT**. (2006). Remote cerebellar hemorrhage. *AJNR Am J Neuroradiol*, 27(2), 387-90.
 117. 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.
 118. 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.
 119. 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.
 120. Liu JK, **Couldwell WT**. (2006). Pituitary apoplexy in the magnetic resonance imaging era: clinical significance of sphenoid sinus mucosal thickening. *J Neurosurg*, 104(6), 892-8.
 121. **Couldwell WT**, Kan P, Liu JK, Apfelbaum RI. (2006). Decompression of cavernous sinus meningioma for preservation and improvement of cranial nerve function. Technical note. *J Neurosurg*, 105(1), 148-52.
 122. Amini A, Schmidt RH, Salzman KL, Chin SS, **Couldwell WT**. (2006). Glioblastoma multiforme of the pineal region. *J Neurooncol*, 79(3), 307-14.
 123. Liu JK, Fukushima T, Sameshima T, Al-Mefty O, **Couldwell WT**. (2006). Increasing Exposure of the Petrous Internal Carotid Artery for Revascularization Using the Transzygomatic Extended Middle Fossa Approach: A Cadaveric Morphometric Study. *Neurosurgery*, 59(4 Suppl 2), ONS309-ONS319.
 124. Kan P, **Couldwell WT**. (2006). Posterior fossa brain tumors and arterial hypertension. *Neurosurg Rev*, 29(4), 265-9.
 125. **Couldwell WT**, Liu JK, Amini A, Kan P. (2006). Submandibular-infratemporal Interpositional Carotid Artery Bypass for Cranial Base Tumors and Giant Aneurysms. *Neurosurgery*, 59(4 Suppl 2), ONS353-60.
 126. Liu JK, Rao G, Couldwell, WT. (2007). Extreme lateral infrajugular transcondylar transtuberular exposure for

- lesions of the ventral foramen magnum and craniovertebral junction. *Contemp Neurosurg*, 29(10), 1-8.
127. Finn M, Klimo P Jr, **Couldwell WT**. (2007). Interpositional dural graft technique for the treatment of dural arteriovenous fistulas. *Neurosurg Focus*, 22(3), E10; discussion Editorial.
 128. Hornyak M, Weiss MH, Nelson DH, **Couldwell WT**. (2007). Nelson syndrome: historical perspectives and current concepts. *Neurosurg Focus*, 23(3), E12.
 129. **Couldwell WT**, Cole CD, Al-Mefty O. (2007). Patterns of skull base meningioma progression after failed radiosurgery. *J Neurosurg*, 106(1), 30-5.
 130. 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.
 131. Ragel BT, **Couldwell WT**, Gillespie DL, Jensen RL. (2007). Identification of hypoxia-induced genes in a malignant glioma cell line (U-251) by cDNA microarray analysis. *Neurosurg Rev*, 30(3), 181-7.
 132. McCutcheon IE, Waguespack SG, Fuller GN, **Couldwell WT**. (2007). Metastatic melanoma to the pituitary gland. *Can J Neurol Sci*, 34(3), 322-7.
 133. **Couldwell WT**. (2007). Diagnosis and management of Cushing Disease. *Neurosurg Focus*, 23, EIntro.
 134. Binning MJ, Liu JK, Gannon J, Osborn AG, **Couldwell WT**. (2008). Hemorrhagic and nonhemorrhagic Rathke cleft cysts mimicking pituitary apoplexy. *J Neurosurg*, 108(1), 3-8.
 135. Niazi T, Coppens J, Liu JK, **Couldwell WT**. (2010). Medpor implant in cranio-orbitomaxillary reconstruction: institutional experience and a review of the literature. *J Oral Maxillofac Surg*, 7(4), 444-448.
 136. Kan P, Tubay M, Osborn A, Blaser S, **Couldwell WT**. (2008). Radiographic features of tumefactive giant cavernous angiomas. *Acta Neurochir (Wien)*, 150(1), 49-55; discussion 55.
 137. 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.
 138. Hornyak M, Osborn AG, **Couldwell WT**. (2008). Hypertrophic olivary degeneration after surgical removal of cavernous malformations of the brain stem: report of four cases and review of the literature. *Acta Neurochir (Wien)*, 150(2), 149-56; discussion 156.
 139. Rovit RL, Simon AS, **Couldwell WT**. (2008). Patton: death of a soldier. Historical vignette. *J Neurosurg*, 108(2), 402-8.
 140. Liu JK, Gottfried ON, Salzman KL, Schmidt RH, **Couldwell WT**. (2008). Ruptured intracranial dermoid cysts: clinical, radiographic, and surgical features. *Neurosurgery*, 62(2), 377-84; discussion 384.
 141. Cole CD, Liu JK, Sheng X, Chin SS, Schmidt MH, Weiss MH, **Couldwell WT**. (2008). Hypericin-mediated photodynamic therapy of pituitary tumors: preclinical study in a GH4C1 rat tumor model. *J Neurooncol*, 87(3), 255-61.
 142. Liu JK, **Couldwell WT**, Apfelbaum RI. (2008). Transoral approach and extended modifications for lesions of the ventral foramen magnum and craniovertebral junction. *Skull Base*, 18(3), 151-66.
 143. 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.
 144. Eskandari R, Amini A, Yonemura KS, **Couldwell WT**. (2008). The Use of the Olympus EndoArm for Spinal and Skull-based Transsphenoidal Neurosurgery. *Minim Invasive Neurosurg*, 51(6), 370-2.
 145. Fassett DR, Rammos SK, Patel P, Parikh H, **Couldwell WT**. (2009). Intracranial subarachnoid hemorrhage resulting from cervical spine dural arteriovenous fistulas: literature review and case presentation. *Neurosurg Focus*, 26(1), E4.
 146. Ragel BT, Coon VC, **Couldwell WT**. (2009). Gustatory seizures and temporal lobe edema. *J Clin Neurosci*, 16(4), 540, 608.
 147. Walsh MT, **Couldwell WT**. (2009). Management options for cavernous sinus meningiomas. *J Neurooncol*, 92(3), 307-16.
 148. Coppens JR, Ric Harnsberger H, Finn MA, Sharma P, **Couldwell WT**. (2009). Oronasopharyngeal chordomas. *Acta Neurochir (Wien)*. (Epub ahead of print).
 149. Binning MJ, Jackson G, **Couldwell WT**. (2009). Spontaneous recanalization of the internal carotid artery resulting in thromboembolic occlusion of the ipsilateral ophthalmic artery and visual loss. *J Clin Neurosci*. (Epub ahead of print).
 150. Binning MJ, **Couldwell WT**. (2009). Fenestration of the oculomotor nerve by a duplicated posterior cerebral artery and aneurysm. *J Neurosurg*, 111(1), 84-6.
 151. Hornyak M, Digre K, **Couldwell WT**. (2009). Neuro-ophthalmologic Manifestations of Benign Anterior Skull Base Lesions. *Postgrad Med*, 121(4), 103-114.
 152. Coppens JR, Ric Harnsberger H, Finn MA, Sharma P, **Couldwell WT**. (2009). Oronasopharyngeal chordomas. *Acta*

153. Lee J, Kraus KL, **Couldwell WT**. (2009). Use of the h index in neurosurgery. *J Neurosurg*, 111(2), 387-92.

NON PEER-REVIEWED JOURNAL ARTICLES

1. **Couldwell WT**, Apuzzo MLJ. (1989). Surgical management of cysticercosis cerebri. *Contemp Neurosurg*, 11.
2. **Couldwell WT**, Weiss MH. (1994). Surgical approaches to petroclival meningiomas. Part I: upper and midlevel approaches. *Contemp Neurosurg*, 16(12), 1-6.
3. **Couldwell WT**, Weiss MH. (1994). Surgical approaches to petroclival meningiomas. Part II: extended approaches. *Contemp Neurosurg*, 16(13), 1-5.
4. Anker L, Gopalakrishna R, Law RE, Jones K, **Couldwell WT**. (1995). Hypericin: an antitumor agent. *Drugs Future*, 20, 511-517.
5. **Couldwell WT et al**. (2000). Resident Curriculum Guidelines for Neurosurgery: Tumor-related curriculum. *Clin Neurosurg*, 47, 589-681.
6. **Couldwell WT**, Gottfried O, Weiss MH, Popp AJ. (2004). Trends in the neurosurgical workforce. *AANS Bulletin*, 12(4), 7-9.
7. **Couldwell WT**, Robertson JH. (2007). Conflict and Opportunity: Neurosurgery and Industry. *AANS Bulletin*, 16(4), 5-12.
8. Lee J, **Couldwell WT**. (2008). Metabolic syndrome: What neurosurgeons should know. *AANS Bulletin*, 17(2), 16.
9. Klimo P, **Couldwell WT**. (2008). OR Noise: The potential for hearing loss. *AANS Bulletin*, 17(1), 13.
10. **Couldwell WT**, Keane JR. (2008). Ocular cysticercosis. In the Loupe. *AANS Bulletin*, 17(3), 3.
11. Klimo P, **Couldwell WT**. (2008). Stress and burnout: Insidious influences. *AANS Bulletin*, 17(1), 17-18.
12. **Couldwell WT**, Seaver MJ. (0501). Practicing neurosurgery in the United States. *AANS Bulletin*, 17(3), 6-10, 43.

REVIEW ARTICLES

1. **Couldwell WT**, Weiss MH. (1989). Efficacy of dexamethasone in intracranial or intraspinal lesions. *J Crit Illn*, 4, 13-14.
2. **Couldwell WT**, Chandrasoma PT, Weiss MH. (1989). Pituitary gland metastasis from adenocarcinoma of the prostate. Case report. *J Neurosurg*, 71(1), 138-40.
3. **Couldwell WT**, Apuzzo ML. (1992). Cysticercosis cerebri. *Neurosurg Clin N Am*, 3(2), 471-81.
4. **Couldwell WT**, de Tribolet N, Antel JP, Gauthier T, Kuppner MC. (1992). Adhesion molecules and malignant gliomas: implications for tumorigenesis. *J Neurosurg*, 76(5), 782-91.
5. **Couldwell WT**. (1993). Surgery of the anterior skull base. *Otolaryngol Clin North Am*, 26(4), 673-93.
6. Levy ML, Masri LS, Levy KM, Johnson FL, Martin-Thomson E, **Couldwell WT**, McComb JG, Weiss MH, Apuzzo ML. (1993). Penetrating craniocerebral injury resultant from gunshot wounds: gang-related injury in children and adolescents. *Neurosurgery*, 33(6), 1018-24; discussion 1024-5.
7. Stillerman CB, Chen TC, **Couldwell WT**, Zhang W, Weiss MH. (1998). Experience in the surgical management of 82 symptomatic herniated thoracic discs and review of the literature. *J Neurosurg*, 88(4), 623-33.
8. Amar AP, **Couldwell WT**, Weiss MH. (1999). Prolactinomas- Focus on Indications, Outcomes and Management of Recurrences. *Contemp Neurosurg*, 21.
9. **Couldwell WT**. (2000). Nogo-A is a myelin-associated neurite outgrowth inhibitor and an antigen for monoclonal antibody IN-1; Identification of the Nogo inhibitor of axon regeneration as a Reticulon protein. *Neurosurg Focus*, 8(3).
10. **Couldwell WT**. (2000). Treatment of acromegaly with the growth hormone-receptor antagonist pegvisomant. *Neurosurg Focus*, 8(5).
11. Liu JK, Niazi Z, **Couldwell WT**. (2002). Reconstruction of the skull base after tumor resection: an overview of methods. *Neurosurg Focus*, 12(5), e9.
12. **Couldwell WT**, Rovit RL. (2002). Rethinking neurosurgical subspecialization: Comment. *Surg Neurol*, 58(6), 359-63 disc 363.
13. **Couldwell WT**. (2003). On the origin of interictal activity in human temporal lobe epilepsy in vitro. *Neurosurg Focus*, 14(2), Review.
14. Liu JK, **Couldwell WT**. (2003). Pituitary apoplexy: diagnosis and management. *Contemp Neurosurg*, 25(12).
15. Liu JK, Weiss MH, **Couldwell WT**. (2003). Surgical Approaches to Pituitary Tumors. *Neurosurg Clin N Am*, 14(1), 93-107.
16. **Couldwell WT**, Liu JK, Orlandi RR, Weiss MH. (2003). Zones of exposure in surgical approaches to the anterior cranial base and paranasal sinuses. *Contemp Neurosurg*, 25(25), 1-12.
17. Liu JK, Kan P, Karwande SV, **Couldwell WT**. (2003). Conduits for cerebrovascular bypass and lessons learned from

- the cardiovascular experience. *Neurosurg Focus*, 14(3), e3.
18. Liu JK, **Couldwell WT**. (2003). Interpositional carotid artery bypass strategies in the surgical management of aneurysms and tumors of the skull base. *Neurosurg Focus*, 14(3), e2.
 19. Amirlak B, **Couldwell WT**. (2003). Apoptosis in glioma cells: review and analysis of techniques used for study with focus on the laser scanning cytometer. *J Neurooncol*, 63(2), 129-45.
 20. Gottfried ON, Fults DW, Townsend JJ, **Couldwell WT**. (2003). Spontaneous hemorrhage associated with a pilomyxoid astrocytoma. Case report. *J Neurosurg*, 99(2), 416-20.
 21. **Couldwell WT**, Weiss MH, Laws ER Jr. (2004). Withdrawal of long-term cabergoline therapy for tumoral and nontumoral hyperprolactinemia. *Neurosurg Focus*, 16(1), Review.
 22. Liu JK, **Couldwell WT**. (2004). Contemporary management of prolactinomas. *Neurosurg Focus*, 16(4), E2.
 23. Cole CD, Gottfried ON, Liu JK, **Couldwell WT**. (2004). Hyponatremia in the neurosurgical patient: diagnosis and management. *Neurosurg Focus*, 16(4), E9.
 24. Ragel BT, **Couldwell WT**. (2004). Pituitary carcinoma: a review of the literature. *Neurosurg Focus*, 16(4), E7.
 25. Fassett DR, **Couldwell WT**. (2004). Metastases to the pituitary gland. *Neurosurg Focus*, 16(4), E8.
 26. Ezzat S, Asa SL, **Couldwell WT**, Barr CE, Dodge WE, Vance ML, McCutcheon IE. (2004). The prevalence of pituitary adenomas: a systematic review. *Cancer*, 101(3), 613-9.
 27. **Couldwell WT**. (2004). Transsphenoidal and transcranial surgery for pituitary adenomas. *J Neurooncol*, 69(1-3), 237-56.
 28. Browd SR, Ragel BT, Davis GE, Scott AM, Skalabrin EJ, **Couldwell WT**. (2004). Prophylaxis for deep venous thrombosis in neurosurgery: a review of the literature. *Neurosurg Focus*, 17(4), E1.
 29. Liu JK, Gottfried ON, Amini A, **Couldwell WT**. (2004). Aneurysms of the petrous internal carotid artery: anatomy, origins, and treatment. *Neurosurg Focus*, 17(5), E13.
 30. Liu JK, **Couldwell WT**. (2005). Intra-arterial papaverine infusions for the treatment of cerebral vasospasm induced by aneurysmal subarachnoid hemorrhage. *Neurocrit Care*, 2(2), 124-32.
 31. Ragel BT, Townsend JJ, Arthur AS, **Couldwell WT**. (2005). Intraventricular tanycytic ependymoma: case report and review of the literature. *J Neurooncol*, 71(2), 189-93.
 32. Gottfried ON, **Couldwell WT**. (2005). Review of Yadav JS, et al: Protected carotid artery-stenting versus endarterectomy in high-risk patients. *Neurosurg Focus*, 18(1), EJC1.
 33. Liu JK, Gottfried ON, **Couldwell WT**. (2005). Thrombosed basilar apex aneurysm presenting as a third ventricular mass and hydrocephalus. *Acta Neurochir (Wien)*, 147(4), 413-6; discussion 417.
 34. Gottfried ON, Viskochil DH, Fults DW, **Couldwell WT**. (2006). Molecular, genetic, and cellular pathogenesis of neurofibromas and surgical implications. *Neurosurgery*, 58(1), 1-16; discussion 1-16.
 35. Sayama CM, Liu JK, **Couldwell WT**. (2006). Update on endovascular therapies for cerebral vasospasm induced by aneurysmal subarachnoid hemorrhage. *Neurosurg Focus*, 21(3), E12.
 36. McCall T, Fassett DR, Lyons G, **Couldwell WT**. (2006). Inflammatory pseudotumor of the cavernous sinus and skull base. *Neurosurg Rev*, 29(3), 194-200.
 37. Liu JK, Sameshima T, Gottfried ON, **Couldwell WT**, Fukushima T. (2006). The combined transmastoid retro- and infralabyrinthine transjugular transcondylar transtuberular high cervical approach for resection of glomus jugulare tumors. *Neurosurgery*, 59(1 Suppl 1), ONS115-25; discussion ONS115-25.
 38. Ragel BT, **Couldwell WT**, Wurster RD, Jensen RL. (2007). Chronic suppressive therapy with calcium channel antagonists for refractory meningiomas. *Neurosurg Focus*, 23(4), E10.
 39. Ragel BT, Jensen RL, **Couldwell WT**. (2007). Inflammatory response and meningioma tumorigenesis and the effect of cyclooxygenase-2 inhibitors. *Neurosurg Focus*, 23(4), E7.
 40. Liu JK, Fleseriu M, Delashaw JB Jr, Ciric IS, **Couldwell WT**. (2007). Treatment options for Cushing disease after unsuccessful transsphenoidal surgery. *Neurosurg Focus*, 23(3), E8.
 41. Cole CD, Gottfried ON, Gupta DK, **Couldwell WT**. (2007). Total intravenous anesthesia: advantages for intracranial surgery. *Neurosurgery*, 61(5 Suppl 2), 369-77; discussion 377-8.
 42. Hornyak M, **Couldwell WT**. (2009). Multimodality treatment for invasive pituitary adenomas. *Postgrad Med*, 121(2), 168-76.
 43. Hornyak M, Digre K, **Couldwell WT**. (2009). Neuro-ophthalmologic manifestations of benign anterior skull base lesions. *Postgrad Med*, 121(4), 103-14.

BOOKS

Edited Books

1. Weiss MH, **Couldwell WT** (Eds.). (2003). *Pituitary Surgery*. W.B. Saunders.

BOOK CHAPTERS

1. **Couldwell WT**, Weiss MH. (1988). Leg Radicular Pain and Sensory Disturbance: The Differential Diagnosis. In Wiener, M.A (Eds.), *Spine, State of the Art Reviews* (pp. 669-684). Philadelphia, PA: Belfus Publishers.
2. **Couldwell WT**, Weiss MH. (1988). Protection and Rescue of the Cerebral Neuronal Pool in Trauma, Stroke, and the Operative Procedure. In Apuzzo, MLJ (Eds.), *Neurosurgery and Neuroscience in the 21st Century* (pp. 301-317). Philadelphia, PA: Belfus Publishers.
3. **Couldwell WT**, Weiss MH. (1990). Critical Care of the Neurosurgical Patient. In Sampliner, J.E (Eds.), *Handbook of Critical Care* (pp. 455-486). Boston, MA: Little, Brown, and Company.
4. **Couldwell WT**, Mitchell MS, Mazumder A, Apuzzo MLJ. (1990). The Immunology and Immunotherapy of Intrinsic Glial Tumors. In Apuzzo, MLJ (Eds.), *Neurosurgical Topics: Malignant Cerebral Glioma* (pp. 49-58). Park Ridge, Ill: AANS Publications Committee.
5. **Couldwell WT**, Apuzzo MLJ. (1991). Initial experience related to the use of the Cosman-Roberts-Wells stereotactic instrument. In R.D. Currier and R.M. Crowell (Ed.), *Handbook of Neurology and Neurosurgery* (pp. 236-237). St. Louis: Mosby Year Book.
6. **Couldwell WT**, and Weiss MH. (1991). Strategies for the Management of Non-Secreting Pituitary Adenomas. In Cooper, PR (Eds.), *Neurosurgical Topics: Contemporary Diagnosis and Management of Pituitary Adenomas* (pp. 29-37). Park Ridge, Ill: AANS Publications Committee.
7. Rabb C, Levy M, Tung H, **Couldwell WT**, Zelman V, Apuzzo MLJ. (1992). Cerebral Protection. In Apuzzo MLJ (Ed.), *Neurosurgery for the Third Millennium* (pp. 117-148). Park Ridge, Ill.
8. **Couldwell WT**, Weiss MH. (1992). Cerebrospinal Fluid Fistulae. In Apuzzo MLJ (Ed.), *Brain Surgery: Complication Avoidance and Management* (pp. 2329-2343).
9. **Couldwell WT**, Zee Chi-Shing, Apuzzo MLJ. (1992). Definition of the role of contemporary surgical management in cisternal and parenchymatous cysticercosis cerebri. In R.D. Currier and R.M. Crowell (Ed.), *Handbook of Neurology and Neurosurgery* (p. 368). St. Louis: Mosby Year Book.
10. Levy ML, Tung H, **Couldwell WT**, Hinton D, Apuzzo MLJ. (1992). Neurosurgery, molecular medicine and the pandora-panacea continuum. Future implications for glioma therapy? In *Clinical Neurosurgery* (39, pp. 421-462). Baltimore: Williams and Wilkins.
11. **Couldwell WT**, and Weiss MH. (1992). Pituitary Macroadenomas. In Apuzzo MLJ (Ed.), *Brain Surgery: Complication Avoidance and Management* (pp. 295-313). Churchill Livingstone Publishers.
12. Levy M, Rabb C, **Couldwell WT**, Zelman V, Apuzzo MLJ. (1992). Protection of the Neuronal Pool. In Apuzzo MLJ (Ed.), *Brain Surgery: Complication Avoidance and Management* (pp. 857-891). Churchill Livingstone Publishers.
13. **Couldwell WT**, Simard MF, Weiss MH. (1993). The Pituitary Gland. In Schwartz SI, Shires GT, Spencer FC (Eds.), *Principles of Surgery* (6th, pp. 1545-1561). New York: McGraw-Hill.
14. **Couldwell WT**, Simard MF, Weiss MH. (1994). The Pituitary and Adrenal. In Schwartz SI, Shires GT, Spencer FC (Eds.), *Principles of Surgery. Companion Handbook* (6th, pp. 551-557). New York: McGraw-Hill.
15. **Couldwell WT**, Hinton DR. (1995). Oligodendroglioma. In Kaye AH, Laws ER (Eds.), *Brain Tumors* (pp. 479-491).
16. **Couldwell WT**, Zee CS. (1995). Parasitic Infestations of the Central Nervous System. In Wilkins RH, Rengachary SS (Eds.), *Neurosurgery* (2nd, pp. 3395-3407). New York: McGraw Hill.
17. **Couldwell WT**, Weiss MH. (1995). Surgery for pituitary adenomas. In *The Pituitary Patient Resource Guide* (pp. 122-127). Encino, CA.
18. **Couldwell WT**, Simard MF, Weiss MH. (1995). The Management of Prolactin and Growth Hormone Secreting Pituitary Adenomas. In Schmidek HH, Sweet WH (Eds.), *Operative Neurosurgical Techniques* (pp. 305-313). Philadelphia: WH Saunders.
19. Rabb C, **Couldwell WT**, Weiss MH. (1996). Pituitary tumors: Anatomy and Surgical Approach. In Tindall GT, Cooper PR, Barrow DL (Eds.), *The Practice of Neurosurgery* (pp. 1120-1134). Baltimore: Williams and Wilkins.
20. Ahmadi J, Hinton DR, Segall HD, **Couldwell WT**. (1996). Surgical implications of MR-enhanced dura. In W.G. Bradley and R.H. Wilkins (Ed.), *Yearbook of Neurology and Neurosurgery* (pp. 295-295). St. Louis: Mosby.
21. Stillerman CB, Chen TC, Day JD, **Couldwell WT**, Weiss MH. (1996). The transfacet-pedicle sparing approach to thoracic disc removal. In R.D. Currier and R.M. Crowell (Ed.), *Handbook of Neurology and Neurosurgery*. St. Louis: Mosby Year Book.
22. **Couldwell WT**, Weiss MH. (1997). Surgery for Pituitary Adenomas. In Chin LS; Regine WF (Ed.), *Principles and Practice of Stereotactic Radiosurgery*. New York: Springer.
23. Krieger M, **Couldwell WT**, Weiss MH. (1997). Surgery for Pituitary Adenomas. In *The Pituitary Patient Resource Guide* (Second, pp. 109-114). Encino, CA: Pituitary Tumor Network Association.
24. Gruen JP, Weiss MH, Kreiger MD, Albuquerque FC, **Couldwell WT**, Dogali M, Giannotta SL. (1998). Mechanical injury of the peripheral nerve. In *Continuum, American Academy of Neurology* (4, pp. Part A & B (6)). Philadelphia.

25. **Couldwell WT.** (1998). Petrosal Approach for Resection of Petroclival Meningiomas. In Rengachary SS, Wilkins RH (Eds.), *Neurosurgical Operative Color Atlas* (7, pp. 69-81). Park Ridge, Ill: AANS Publication Committee.
26. Krieger M, **Couldwell WT.** (1998). The Diagnosis and Management of Central Nervous System Tumors. In *Continuum, American Academy of Neurology* (4, pp. 9-24). Philadelphia.
27. **Couldwell WT.** (1998). The Neurological History and Examination. In *Medical Student Handbook for Neurosurgical Education*.
28. **Couldwell WT**, Simard MF, Weiss MH. (1998). The Pituitary Gland. In Schwartz SI, Shires GT, Spencer FC, Daly JM, Fischer JE, Galloway AC (Eds.), *Principles of Surgery* (7th, pp. 1613-1630). New York: McGraw-Hill.
29. **Couldwell WT**, Simard MF, Weiss MH. (1998). The Pituitary and Adrenal. In Schwartz SI, Shires GT, Spencer FC, Daly JM, Fischer JE, Galloway AC (Eds.), *Principles of Surgery. Companion Handbook* (7th). New York: McGraw-Hill.
30. **Couldwell WT**, Weiss MH. (1998). Transnasal Transsphenoidal Approach. In Apuzzo MLJ (Ed.), *Surgery of the Third Ventricle* (2nd, pp. 553-574). Baltimore: Williams and Wilkins.
31. Moore KD, **Couldwell WT.** (1999). Craniopharyngioma. In Bernstein M, Berger M (Eds.), *Essentials of Neuro-Oncology* (pp. 409-418). New York: Thieme.
32. **Couldwell WT**, Weiss MH. (1999). Non-Adenomatous Lesions of the Pituitary. In Tindall G, Krisht A (Eds.), *Pituitary Disorders: Comprehensive Management* (pp. 327-336). Baltimore: Williams and Wilkins.
33. **Couldwell WT**, Weiss MH. (1999). Olfactory Groove Meningiomas. In Kaye AH, Black PMcL (Eds.), *Operative Neurosurgery* (pp. 523-33). London: Churchill Livingstone.
34. **Couldwell WT**, Simard MF, Weiss MH. (1999). Pituitary Tumors. In Grossman RG, Loftus CM (Eds.), *Principles of Neurosurgery* (2nd, pp. 533-556). Philadelphia: Lippincott-Raven.
35. Stillerman CB, Chen TC, **Couldwell WT**, Benzel EC, Weiss MH. (1999). Thoracic Disc Herniation and Spondylosis: Algorithm for Management. In Benzel EC, Stillerman CB (Eds.), *The Thoracic Spine* (pp. 304-310). St Louis: Quality Medical Publishing, Inc.
36. Stillerman CB, Chen TC, **Couldwell WT**, Weiss MH. (1999). Thoracic Disc Herniation and Spondylosis: Transfacet Pedicle-Sparing Approach. In Benzel EC, Stillerman CB (Eds.), *The Thoracic Spine* (pp. 338-345). St Louis: Quality Medical Publishing, Inc.
37. Rosenow J, **Couldwell WT.** (2000). Parasitic Infections. In Hall WA, McCutcheon IE (Eds.), *Infections of the Nervous System* (pp. 237-250). Park Ridge, IL: AANS Publications Committee.
38. Kreiger MD, Amar AP, **Couldwell WT**, Weiss MH. (2000). Surgical Management of Growth-hormone secreting and Prolactin-secreting pituitary adenomas. In Schmidek HH, Sweet WH (Eds.), *Operative Neurosurgical Techniques* (3rd). Philadelphia: WH Saunders.
39. Das K, **Couldwell WT.** (2001). The History of Surgical Management of Movement Disorders. In Couldwell WT; Cosgrove GR (Ed.), *Contemporary Surgical Management of Movement Disorders*. St. Louis: Quality Medical Publishing.
40. Sabit A, **Couldwell WT.** (2002). Adjunctive use of the endoscope in Cranial Base Surgery. In Wackym PA, Rice DH, Schaefer SD (Eds.), *Minimally Invasive Surgery of the Head, Neck and Cranial Base* (pp. 125-133). Philadelphia: Williams and Wilkins.
41. Liu JK, Weiss MH, **Couldwell WT.** (2002). Nonfunctional Pituitary Adenomas. In Wilkins RH; Rengachary SS (Ed.), *Neurosurgery* (2).
42. Zhang W, Nwagwu C, **Couldwell WT.** (2003). Innovative treatments for intracranial glioma. In Batjer H, Loftus C (Eds.), *Textbook of Neurological Surgery* (2, pp. 1292-1303). Philadelphia: Lippincott Williams & Wilkins.
43. **Couldwell WT**, Liu JK, Orlandi RR, Weiss MH. (2003). Transfrontal approaches to the anterior skull base. In *Brain Tumor Surgery, Management Strategies and Navigator/Neuroendoscope* (pp. 78-91).
44. House PA, Rao G, **Couldwell WT.** (2005). Contemporary applications of functional and stereotactic techniques for molecular neurosurgery. In Freese A; Simeone FA; Leone P; Janson C (Ed.), *Progress in Neurological Surgery* (18, pp. 124-145). New York: Karger AG, Basel.
45. Liu JK, Tenner MS, Stevens EA, Gottfried ON, Rosenow JM, Madan N, MacDonald JD, Kestle JR, **Couldwell WT.** (2005). Efficacy of multiple intra-arterial papaverine infusions for improvement in cerebral circulation time in patients with recurrent cerebral vasospasm. In Gibbs SR, Verma A (Eds.), *Yearbook of Neurology and Neurosurgery* (pp. 222-223). Philadelphia, PA: Elsevier.
46. Liu JK, Decker DS, Schaefer S, Weiss MH, **Couldwell WT.** (2005). Zones of approach for craniofacial resection: minimizing facial incisions for resection of anterior cranial base and paranasal sinus tumors. In Gibbs SR, Verma A (Eds.), *Yearbook of Neurology and Neurosurgery* (pp. 344-345). Philadelphia, PA: Elsevier.
47. Liu JK, Orlandi RR, Apfelbaum RI, **Couldwell WT.** (2005). Novel closure technique for the endonasal transsphenoidal approach: technical note. *Journal of Neurosurgery* 2004 January 1000:161-164. In Gibbs SR, Verma

- A (Eds.), *Year Book of Neurology and Neurosurgery* (pp. 335-336). Philadelphia: Elsevier.
48. Ragel BT, Amirlak B, Rao G, **Couldwell WT**. (2006). Methods of determining apoptosis in glioma cells: review of the literature. In D. Janigro (Ed.), *Cell Cycle in the Central Nervous System* (pp. Chapter 12). Totowa, NJ: Humana Press.
 49. Liu JK, **Couldwell WT**. (2007). Petrosal Approach for Resection of Petroclival Meningiomas. Chapter 20. In Badie B (Ed.), *Neurosurgical Operative Color Atlas 2E: Neuro-oncology* (pp. 170-179). Park Ridge, Ill: AANS Publications Committee.
 50. Rosenow JM, **Couldwell WT**. (2006). Surgery for nonfunctional pituitary adenomas. In *The Pituitary Patient Resource Guide*. Pituitary Tumor Network Association.
 51. Kreiger MD, **Couldwell WT**, Amar AP, Liu JK, Weiss MH. (2006). Surgical Management of Growth-hormone secreting and Prolactin-secreting pituitary adenomas. In Schmidek HH; Roberts DW (Ed.), *Operative Neurosurgical Techniques: Indications, Methods, and Results* (5th, pp. 374-389). Philadelphia: WB Saunders.
 52. Ezzat S, Asa SL, **Couldwell WT**, Barr CE, Didge WE, Vance ML, McCutcheon IE. (2006). The prevalence of pituitary adenomas. In *The Pituitary Patient Resource Guide*. Thousand Oaks, CA: Pituitary Tumor Network Association.
 53. Gottfried ON, Weiss MH, **Couldwell WT**. (2006). Tumors of the Sellar Region: Craniopharyngioma and Pituitary adenoma. In Behring J; Piepmeier J (Ed.), *Brain Tumors: Practical Guide to Diagnosis and Treatment* (pp. Chapter 20). New York: Springer.
 54. Gottfried ON, **Couldwell WT**. (2008). Craniopharyngioma. In Berger MS; Bernstein M (Ed.), *Neuro-Oncology: The Essentials* (2nd edition). New York: Thieme.
 55. **Couldwell WT**, Niazi T. (2008). Hypericin as adjuvant therapy in the treatment of central nervous system tumors. In Arors R (Ed.), *In Herbal Radiomodulators Applications in Medicine, Homeland Defence and Space* (pp. 279-286). Oxford, UK: CABI Publishing.
 56. Hornyak M, **Couldwell WT**. (2008). Pituitary adenomas. In Hanna EY; DeMonte F (Ed.), *In Comprehensive Management of Tumors of the Skull Base*. New York: Taylor and Francis.
 57. **Couldwell WT**, Weiss MH. (2008). Pituitary adenoma - surgical perspective. In Chin L; Regine (Ed.), *Principles of stereotactic surgery* (Chapter 27, pp. 309-316). New York: Springer.
 58. Liu JK, Gottfried ON, **Couldwell WT**. (2008). Skull base surgery: surgery perspective. Chapter 38. In Chin LS; Regine WF (Ed.), *Principles and Practice of Stereotactic Radiosurgery* (pp. 393-399). New York: Springer.
 59. Ragel BT, **Couldwell WT**. (2008). Emerging treatment modalities I: Cyclooxygenase-2 as a therapeutic target for meningioma tumor growth. In Lee JH (Ed.), *Meningiomas: Diagnosis, Treatment and Outcomes* (pp. 177-184). New York: Springer.
 60. Walsh MT, **Couldwell WT**. (2009). Interpositional carotid artery bypass for skull base tumors and giant aneurysms. In *Roma Skullbase and Cerebrovascular Workshop*.
 61. Walsh MT, **Couldwell WT**. (2009). The dilemma of the difficult meningioma. In *Roma Skullbase and Cerebrovascular Workshop*.

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

Commentary

1. **Couldwell WT**. (1999). Chronic brain inflammation and persistent herpes simplex virus-1 thymidine kinase expression in survivors of syngeneic glioma treated by adenovirus-mediated gene therapy: implications for clinical trials. *Neurosurg Focus*, 7(6).
2. **Couldwell WT**. (1999). Risks and benefits of screening for intracranial aneurysms in first-degree relatives or patients with sporadic SAH. *N Engl J Med* 341:1344--1350, 1999. *Neurosurg Focus*, 7(6), E15.
3. **Couldwell WT**. (1999). Top-down signal from prefrontal cortex in executive control of memory retrieval. *Nature* 401:699--703, 1999. *Neurosurg Focus*, 7(6), E14.
4. **Couldwell WT**. (2000). Early involvement of estrogen-induced pituitary transforming gene and fibroblast growth factor expression in prolactinoma pathogenesis. *Neurosurg Focus*, 8(1).
5. **Couldwell WT**. (2000). Ischemic stroke risk with oral contraceptives: a meta-analysis. *Neurosurg Focus*, 9(6).
6. **Couldwell WT**. (2000). Silent embolism in diagnostic cerebral angiography and neurointerventional procedures: a prospective study. *Neurosurg Focus*, 8(1).
7. **Couldwell WT**. (2000). Spontaneous cerebrospinal fluid leaks: from intracranial hypotension to cerebrospinal fluid hypovolemia- evolution of a concept. *Neurosurg Focus*, 9(2).
8. **Couldwell WT**. (2000). Supplemental perioperative oxygen to reduce the incidence of surgical-wound infection. *Neurosurg Focus*, 8(2).
9. **Couldwell WT**. (2001). Review by William T. Couldwell: Effect of parathyroid hormone (1-34) on fractures and

- bone mineral density of postmenopausal women with osteoporosis. *N Engl J Med* 344(19):1434-1441, 2001. *Neurosurgical Focus*, 11(2), Journal Review 1.
10. **Couldwell WT.** (2001). Review by William T. Couldwell: Cardiorespiratory fitness and the progression of carotid atherosclerosis in middle-aged men. *Ann Intern Med* 134:12–20, 2001. *Neurosurgical Focus*, 10(2), Journal Review 1.
 11. **Couldwell WT, Rovit RL.** (2002). Nursing staff levels and the quality of care in hospitals. *Neurosurg Focus*, 13(1).
 12. **Couldwell WT.** (2003). Tumor response to radiotherapy regulated by endothelial cell apoptosis. *Neurosurg Focus*, 15(1), Journal Club.
 13. **Couldwell WT.** (2004). Comment on Acar et al.: Pituitary apoplexy following laparoscopic cholecystectomy operation. *Acta Neurochir (Wien)*, 146, 1276.
 14. **Couldwell WT.** (2004). Comment on Goel A. et al.: Conventional posterior fossa approach for surgery on petroclival meningiomas: A report on experiences with 28 cases. *Surg Neurol*, 62(4), 339-342.
 15. **Couldwell WT.** (2004). Comment on Pascual JM, et. al: Intraventricular Craniopharyngiomas: Topographical Classification and Surgical Approach Selection Based on an Extensive Overview. *Acta Neurochir (Wien)*, 146, 800-801.
 16. **Couldwell WT.** (2005). Comment on Maira G et al.: The role of transsphenoidal surgery in the treatment of craniopharyngiomas. *Year Bk Neurol Neurosurg*, 222-223.
 17. **Couldwell WT.** (2005). Comment on Schick U and Hassler W: Decompression of endocrine ophthalmopathy via an extended pterional approach craniotomy. *Acta Neurochir (Wien)*, 147, 149.
 18. **Couldwell WT.** (2005). Comment on Toyota BD: The impact of subspecialization on postgraduate medical education in neurosurgery. *Surg Neurol*, 64(5), 387.
 19. **Couldwell WT.** (2006). Comment on Cornelius JF et al.: Combined use of a radial forearm free flap for extracranial-intracranial bypass and for antero-lateral skull base reconstruction. *Acta Neurochir (Wien)*, 148, 434.
 20. **Couldwell WT.** (2006). Comment on Nimsy C, et al.: Intraoperative high-field magnetic resonance imaging in transsphenoidal surgery of hormonally inactive pituitary macroadenomas. *Neurosurgery*, 59, 114.
 21. **Couldwell WT.** (2006). Comment on Nugent GR: A stereotactic vignette. *Neurosurgery*, 58, 200.
 22. **Couldwell WT.** (2006). Comment on Richardson RM et al.: Isolation of neuronal progenitor cells from the adult human cortex. *Acta Neurochirurgica*, 148(777).
 23. **Couldwell WT.** (2006). Comment on Sade B, et al.: Management of intraoperative cerebrospinal fluid leak in transsphenoidal pituitary microsurgery: use of a postoperative lumbar drain and sellar reconstruction without fat packing. *Acta Neurochir (Wien)*, 148, 19.
 24. **Couldwell, WT.** (2006). Comment on Sharma MC, et al.: Neurocytoma: a comprehensive review. *Neurosurg Rev*, 29(4), 285.
 25. **Couldwell WT.** (2006). Comment on Wong HT et al.: The comparative impact of video-consultation on emergency neurosurgical referrals. *Neurosurgery*, 59(613).
 26. **Couldwell WT.** (2007). Comment on Honegger J et al.: Objective criteria for successful transsphenoidal removal of suprasellar nonfunctioning pituitary adenomas. A prospective study. *Acta Neurochir (Wien)*, 149, 29.
 27. **Couldwell WT.** (2007). Comment on Minniti G, et al.: Radiotherapy for nonfunctional pituitary adenomas: from conventional to the modern stereotactic radiation techniques. *Neurosurg Rev*, 30, 175.
 28. **Couldwell WT.** (2007). Comment on Cappabianca P, and de Devitis: Back to the Egyptians. Neurosurgery via the nose. A five- thousand year history and recent contributions of the endoscope. *Neurosurg Rev*, 30(1), 1-7.
 29. **Couldwell WT.** (2007). Comment on Acebes JJ, et al.: Early postoperative ACTH and cortisol as predictors of remission in Cushing's Disease.0404200. *Acta Neurochir (Wien)*, 149, 479.
 30. **Couldwell WT.** (2007). Comment on Abe T, et al.: Overlapping free bone graft with galealpericranium under reconstruction of the anterior skull base prevented CSF leakage and sequestrum. *Acta Neurochir (Wien)*, 149, 777.
 31. **Couldwell WT.** (2007). Commentary on Sure et al.: Neurosurgical training in Europe, problems and possible solutions. *Surg Neurol*, 67(6), 629.
 32. **Couldwell WT, Schmidt MH.** (2007). Comment on Yi S, et al.: Surgical outcome of symptomatic herniated thoracic disc considering preoperative disc characteristics. *Acta Neurochir (Wien)*, 149, 1139-1145.
 33. **Couldwell WT.** (2007). Comment on Puppa AD, et al.: Hemorrhagic presentation of low grade glioma in adults. *Acta Neurochir (Wien)*, 149, 1155.
 34. **Couldwell WT, Fukushima T.** (2007). Response to comment by M. Sanno on Liu et al. The Combined Transmastoid Retro and Infralabyrinthine Transjugular Transcondylar Transtuberular High Cervical Approach for Resection of Glomus Jugulare Tumors. *Neurosurgery*, 61(6), E1340.
 35. **Couldwell, WT.** (2007). Comment on Kitano M and Taneda M: Extended transsphenoidal approach to the anterior communicating artery aneurysm: an experience of an incidentally found aneurysm during macroadenoma resection.

- Neurosurgery*, 61(5).
36. **Couldwell WT.** (2008). Comment on Aydin K, et al: Localization of cerebrospinal fluid leaks by gadolinium-enhanced magnetic resonance cisternography: A 5-Year single-center experience. *Neurosurgery*, 62(3), 584-589.
 37. **Couldwell WT.** (2008). Comment on Kim K et al.: Anterior vertebral artery decompression with an ultrasonic bone Curette to treat Bow Hunter's Syndrome. *Acta Neurochir (Wien)*, 150, 303.
 38. **Couldwell WT.** (2008). Comment on Ramina R, et al.: Surgical removal of small petroclival meningiomas. *Acta Neurochir (Wien)*, 150, 439.
 39. **Couldwell WT.** (2008). Comment on Park JS et al.: Chronological analysis of symptomatic change following microvascular decompression for hemifacial spasm: value for predicting midterm outcome. *Neurosurg Rev*, 31, 413-418.
 40. **Couldwell WT.** (2008). Comment on Wan M, Nomura H, Tator CH. Conversion to symptomatic Chiari I malformation after minor head or neck trauma. *Neurosurgery*, 63(4), 753.
 41. **Couldwell WT.** (April 2009). Comment on Bernstein M, et al.: Variability in surgical approaches. *Acta Neurochir (Wien)*, 151(4), 411-2; 412-3.
 42. **Couldwell WT.** (2009). Comment on Lu JQ, et al.: Multifocal complex glioneuronal tumor in an elderly man: an autopsy study. *Neurosurgery*, 64, E1195.
 43. **Couldwell WT, Seaver MJ.** (2009). Response to comment on Practicing Neurosurgery in the United States. *14(4)*, 24.

Book Reviews

1. **Couldwell WT, DeGiorgio CM.** (1993). Electrodiagnosis in Clinical Neurology, Invited Book Review. *J Neurosurg*, 79, 470-471.
2. **Couldwell WT.** (1998). Surgery of Vertebrobasilar Aneurysms: London, Ontario Experience of 1767 Patients. *J Neurosurgical Anesthesiology*, 10, 127-128.
3. **Couldwell WT.** (2000). Book Review: Intracranial Germ Cell Tumors. [Review of the book *Journal of Neurosurgical Anesthesiology*]. *J Neurosurgical Anesthesiology*, 12, 61.

Case Reports

1. Jalalah S, Kovacs K, Horvath E, **Couldwell WT**, Weiss MH, Ezrin C. (1987). Rhabdomyosarcoma in the region of the sella turcica. *Acta Neurochir (Wien)*, 88, 142-146.
2. **Couldwell WT**, Weiss MH. (1989). Pituitary parenchymal metastasis from adenocarcinoma of the prostate. *J Neurosurg*, 71, 138-140.
3. Rabinowicz AL, Abrey LE, Hinton DR, **Couldwell WT.** (1995). Cerebral neurocytoma: an unusual cause of refractory epilepsy. Case report and review of the literature. *Epilepsia*, 36(12), 1237-40.
4. **Couldwell WT**, Chandrasoma P, Apuzzo ML, Zee CS. (1995). Third ventricular cysticercal cyst mimicking a colloid cyst: case report. *Neurosurgery*, 37(6), 1200-3.
5. Zhang W, Hinton DR, Surnock AA, **Couldwell WT.** (1996). Malignant glioma sensitivity to radiotherapy, high-dose tamoxifen, and hypericin: corroborating clinical response in vitro: case report. *Neurosurgery*, 38(3), 587-90; discussion 590-1.
6. **Couldwell WT**, Scheithauer BW, Rice SG, Zhang W, Stillerman CB. (1997). Osteosarcoma of the meninges in association with glioblastoma. *Acta Neurochir (Wien)*, 139(7), 684-9.
7. **Couldwell WT**, Zhang W, Allen R, Arce D, Stillerman CB. (1998). Cerebellar contusion associated with type I Chiari malformation following supratentorial head trauma: case report. *Neurol Res*, 20(1), 93-6.
8. Lefkowitz MA, Chin LS, **Couldwell WT.** (1998). Pediatric intracranial epidural abscess secondary to an infected scalp vein catheter. *Pediatr Neurosurg*, 29(6), 297-9.
9. Rosenow J, Rawanduzy A, Weitzner I Jr, **Couldwell WT.** (2000). Type IV spinal arteriovenous malformation in association with familial pulmonary vascular malformations: case report. *Neurosurgery*, 46(5), 1240-4; discussion 1244-5.
10. Rosenow J, Das K, Weitzner I, **Couldwell WT.** (2000). Rupture of a large ophthalmic segment saccular aneurysm associated with closed head injury: case report. *Neurosurgery*, 46(6), 1515-7.
11. **Couldwell WT**, Zuback J, Onios E, Ahluwalia BS, Tenner M, Moscatello A. (2001). Giant petrous carotid aneurysm treated by submandibular carotid-saphenous vein bypass. Case report. *J Neurosurg*, 94(5), 806-10.
12. Das K, Murali R, Lindstrom CJ, **Couldwell WT.** (2001). Symptomatic subdural hygroma and temporal lobe edema after translabyrinthine removal of acoustic neuroma. *Skull Base*, 11(2), 137-42.
13. **Couldwell WT**, Mohan A. (2002). Enlargement of a vestibular schwannoma following fractionated stereotactic radiotherapy. *Acta Neurochir (Wien)*, 144, 1319-1322.
14. **Couldwell WT**, Rosenow JM, Rovit RL, Benzil DL. (2002). Hypophysopexy technique for radiosurgical treatment

- of cavernous sinus pituitary adenoma. *Pituitary*, 5(3), 169-73.
15. Hasan K, Wapnick S, Kutscher M, **Couldwell WT**. (2002). Vertebral artery dissection associated with Klippel-Feil Syndrome in a child. *Childs Nerv Syst*, 18(1-2), 67-70.
 16. Klimo P Jr, Blumenthal DT, **Couldwell WT**. (2003). Congenital partial aplasia of the posterior arch of the atlas causing myelopathy: case report and review of the literature. *Spine*, 28(12), E224-8.
 17. Liu JK, Burger PC, Harnsberger HR, **Couldwell WT**. (2003). Primary Intraosseous Skull Base Cavernous Hemangioma: Case Report. *Skull Base*, 13(4), 219-228.
 18. Gottfried ON, Soleau SW, **Couldwell WT**. (2003). Suprasellar displacement of intracavernous internal carotid artery: case report. *Neurosurgery*, 53(6), 1433-4; discussion 1434-5.
 19. Liu JK, Decker D, Tenner MS, **Couldwell WT**, Chiles BW 3rd. (2004). Traumatic arteriovenous fistula of the posterior inferior cerebellar artery treated with endovascular coil embolization: case report. *Surg Neurol*, 61(3), 255-60; discussion 261.
 20. Fassett DR, Schloesser PE, **Couldwell WT**. (2004). Hemorrhage from moyamoya-like vessels associated with a cerebral arteriovenous malformation. Case report. *J Neurosurg*, 101(5), 869-71.
 21. Abraham D, **Couldwell WT**. (2004). Bilateral testicular enlargement and seminoma in a patient with acromegaly. *Br J Neurosurg*, 18(6), 629-31.
 22. House PA, **Couldwell WT**. (2005). De novo fenestration of the optic nerve. Case illustration. *J Neurosurg*, 102(2), 390.
 23. Gottfried ON, Binning MJ, Sherr G, **Couldwell WT**. (2005). Distal ventriculoperitoneal shunt failure secondary to *Clostridium difficile* colitis. *Acta Neurochir (Wien)*, 147(3), 335-8; discussion 338.
 24. Fassett DR, Kan P, Chin SS, **Couldwell WT**. (2006). Cholesteatoma of the clivus. *Skull Base*, 16(1), 45-7.
 25. Kan P, Stevens EA, Orlandi RR, **Couldwell WT**. (2006). Carotid artery-sparing repair of a cavernous carotid artery pseudoaneurysm. Case illustration. *J Neurosurg*, 104(6), 978.
 26. Kan P, Stevens EA, **Couldwell WT**. (2006). Incidental giant arachnoid granulation. *AJNR Am J Neuroradiol*, 27(7), 1491-2.
 27. Amini A, Digre K, **Couldwell WT**. (2006). Photophobia in a blind patient: An alternate visual pathway. Case report. *J Neurosurg*, 105(5), 765-8.
 28. Sayama CM, Harnsberger HR, **Couldwell WT**. (2006). Spontaneous regression of a cystic cavum septum pellucidum. *Acta Neurochir (Wien)*, 148(11), 1209-11.
 29. Kan P, Stevens EA, Warner J, **Couldwell WT**. (2007). Resolution of an anterior-inferior cerebellar artery feeding aneurysm with the treatment of a transverse-sigmoid dural arteriovenous fistula. *Skull Base*, 17(3), 205-10.
 30. Ragel BT, Bishop FS, **Couldwell WT**. (2007). Recurrent infrasellar clival craniopharyngioma. *Acta Neurochir (Wien)*, 149(7), 729-730.
 31. Kan P, Liu JK, **Couldwell WT**. (2007). Giant fusiform aneurysm in an adolescent with PHACES syndrome treated with a high-flow external carotid artery-M3 bypass. Case report and review of the literature. *J Neurosurg*, 106(6 Suppl), 495-500.
 32. Liu JK, Sayama C, Chin SS, **Couldwell WT**. (2007). Extranodal NK/T-cell lymphoma presenting as a pituitary mass. Case report and review of the literature. *J Neurosurg*, 107(3), 660-665.
 33. Gottfried ON, Chin S, Davidson HC, **Couldwell WT**. (2007). Trigeminal amyloidoma: case report and review of the literature. *Skull Base*, 17(5), 317-24.
 34. Binning MJ, **Couldwell WT**. (2008). Choroid plexus cyst development and growth following ventricular shunting. *J Clin Neurosci*, 15(1), 79-81.
 35. Binning MJ, Sarfati MR, **Couldwell WT**. (2009). Embolic atrial myxoma causing aortic and carotid occlusion. *Surg Neurol*, 71(2), 246-9; discussion 249.

Editorials

1. **Couldwell WT**. (2001). NF1 in astrocytomas. *J Neurosurg*, 94, 348-349.
2. **Couldwell WT**, Yong VW. (2001). Invasion in Gliomas. *J Neurosurg*, 95(3), 379-80.
3. **Couldwell WT**. (2005). Personal Perspective: AANS Bulletin's momentum continues. *AANS Bulletin*, 14(3), 16.
4. **Couldwell WT**. (2005). Resident education among the positive effects of patient transfers on Academic Medical Centers. *AANS Bulletin*, 14(1), 24-25.
5. **Couldwell WT**. (2006). Personal Perspective. Assessing adequacy of the Neurosurgical workforce. *AANS Bulletin*, 15.
6. **Couldwell WT**. (2006). Personal Perspective. Patient-Centered Care: Success depends on multidisciplinary collaboration. *AANS Bulletin*, 15(3), 10.
7. **Couldwell WT**. (2006). Personal Perspective. The Case for Regionalization. IOM Report and AANS Survey Point to Proactive Strategy. *AANS Bulletin*, 15(2), 7.

8. **Couldwell WT.** (2006). Personal Perspective: Considering the evidence: AANS Bulletin delivers data. *AANS Bulletin*, 14, 11.
9. **Couldwell WT.** (2006). Personal Perspective: Measure for measure: P4P Implications for Neurosurgery. *AANS Bulletin*, 15(1), 29.
10. **Couldwell WT.** (2006). Personal perspective. Bringing the message home: Ways to reshape the neurosurgical workforce. *AANS Bulletin*, 15(4), 5.
11. **Couldwell WT.** (2006). Asymptomatic meningiomas. *J Neurosurg*, 105(4), 536-7; discussion 537.
12. **Couldwell WT.** (2007). Personal Perspective. Emergency in Pediatric Neurosurgery. *AANS Bulletin*, 16, 5.
13. Weiss MH, **Couldwell WT.** (2007). Gamma Knife surgery for Cushing disease. *J Neurosurg*, 106(6), 976-7; discussion 977-9.
14. **Couldwell WT.** (Summer 2007). Personal Perspective: Emigration experience: teaching hospital suffers when specialities ship out. *AANS Bull*, 16, 5.
15. Schulder M, Kraus K, **Couldwell WT.** (Summer 2007). The first plan for national health insurance. Cushing's influence on U.S. Health Policy and a U.S. President. *AANS Bulletin*, 16, 40-41.
16. **Couldwell WT.** (2007). Editorial License: AANS Neurosurgeon builds on Bulletin's success. *AANS Neurosurgeon*, 16, 8.

Letters

1. **Couldwell WT**, Antel JP, Yong VW. (1991). Protein kinase C activity and glioma growth, invited response [Letter to the editor]. *J Neurosurg*, 74, 687-688.
2. **Couldwell WT**, Weiss MH. (1992). Visual loss associated with bromocriptine [Letter to the editor]. *Lancet*, 340(8832), 1410-1.
3. **Couldwell WT**, Giannotta SL, Zelman V, DeGiorgio CM. (1993). Life-threatening reactions to propofol [Letter to the editor]. *Neurosurgery*, 33(6), 1116-7.
4. **Couldwell WT**, Hinton DR, Law RE. (1994). Signal transduction and growth regulation in malignant gliomas [Letter to the editor]. *Neurosurgery*, 35, 1184-1186.
5. **Couldwell WT**, Hinton DR, Law RE. (1994). Protein kinase C and growth regulation in malignant gliomas [Letter to the editor]. *Neurosurgery*, 35(6), 1184-6.
6. **Couldwell WT**, Grafton ST. (1995). Pallidotomy in advanced Parkinson's disease [Letter to the editor]. *Neurosurgery*, 37(6), 1234.
7. **Couldwell WT**, Weiss MH. (1996). Defining postoperative values for successful resection of prolactinomas [Letter to the editor]. *J Neurosurg*, 85(5), 990-1.
8. Rosenow JM, Hahn MS, Moore KD, Benzil DL, **Couldwell WT.** (1998). Pediatric cranial golf injuries--an emerging contemporary phenomenon? [Letter to the editor]. *Surg Neurol*, 50(6), 608.
9. **Couldwell WT.** (2001). Astrocytoma cell line [Letter to the editor]. *J Neurosurg*, 94(2), 348-9.
10. **Couldwell WT.** (2002). History and evolution of transsphenoidal surgery, (Invited response) [Letter to the editor]. *J Neurosurg*, 96, 1160.
11. **Couldwell WT**, Zee CS. (2003). Third ventricular cysticercal cyst mimicking a colloid cyst [Letter to the editor]. *J Neurosurg*, 98, 648.
12. **Couldwell WT**, Murali R. (2003). Tunneled lumbar drain, invited response [Letter to the editor]. *J Neurosurg*, 98, 442-443.
13. **Couldwell WT**, Weiss MH, Laws ER Jr. (2004). Prolactinomas [Letter to the editor]. *N Engl J Med*, 350(10), 1054-7; author reply 1054-7.
14. House PA, **Couldwell WT.** (2005). Fenestration of the optic nerve (invited response to Letter to the Editor) [Letter to the editor]. *J Neurosurg*, 103(3), 578.
15. **Couldwell WT**, Liu JK, Stevens EA, Tenner MS. (2005). Multiple papaverine infusions, invited response to Letter to the Editor [Letter to the editor]. *J Neurosurg*, 102, 181-182.
16. Ragel BT, **Couldwell WT.** (2005). Pituitary carcinoma (invited response to Letter to the Editor) [Letter to the editor]. *Neurosurg Focus*, 19(3), E11.
17. **Couldwell WT.** (2007). Endoscope or microscope? [Letter to the editor]. *J Neurosurg*, 106(4), 730-1; author reply 731.
18. **Couldwell WT.** (2007). Invited response to editorial regarding Finn, M, et al.: Interpositional dural graft technique for the treatment of dural arteriovenous fistula [Letter to the editor]. *Neurosurg Focus*, 22(3), E10.
19. Fukushima T, **Couldwell WT.** (2007). Response to comment on: The combined transmastoid retro- and infralabyrinthine transjugular transcondylar transtuberular high cervical approach for resection of glomus jugulare tumors [Letter to the editor]. *Neurosurgery*, 61(6), E1340.
20. Rovit RL, Simon AS, **Couldwell WT.** (2008). Response to Dell S, regarding Rovit RL, Simon AS, Couldwell WT:

Patton: Death of a soldier [Letter to the editor]. *J Neurosurg*, 109, 976.

Other

1. **Couldwell WT**. (June 1991). Autocrine and Paracrine Growth Regulation in Malignant Gliomas, Ph.D. Thesis.
2. Apuzzo MLJ, **Couldwell WT**, Apuzzo JA. (1992). Neurosurgical complications: a philosophical commentary. In *Brain Surgery: Complication Avoidance and Management* (pp. xxix). Churchill Livingstone Publishers.
3. **Couldwell WT**, Chen TC, Weiss MH, Fukushima T, Dougherty W. (1996). Cranioplasty with the Medpor porous polyethylene flexblock implant. In W.G. Bradley and R.H. Wilkins (Ed.), *Yearbook of Neurology and Neurosurgery* (p. 265). St. Louis: Mosby.
4. **Couldwell WT**, Stillerman CB, Waters CH. (1998). Ventroposterior Medial Pallidotomy in patients with advanced Parkinson's disease. In *Neurosurgery* (38, p. 1261).
5. Stillerman CB, Chen TC, **Couldwell WT**, Zhang W, Weiss MH. (1999). Experience in the surgical management of 82 symptomatic herniated thoracic discs and review of the literature. In *Yearbook of Neurology and Neurosurgery* (p. 360). St. Louis: Mosby.
6. Spiller M, Tenner MS, **Couldwell WT**. (2002). The effect of absorbable, topical hemostatic agents on the relaxation time of blood: an invitro study with implications for postoperative magnetic resonance imaging. In *Yearbook of Neuroradiology* (pp. 8-18).
7. Weiss MH, **Couldwell WT**. (2003). Preface. In *Neurosurgical Clinics of North America* (14).
8. **Couldwell WT**. (2007). Cushing's Disease (topic editor). In *Neurosurgical Focus* (23).
9. Cohen A, Weiss MH, **Couldwell WT**, Laws ER Jr.: (2007). Introduction. In *The Legend of Harvey Cushing. Profiles in Patient Care* (pp. 3-6). New York: Thieme.
10. Couldwell, WT. (2008). CAD-CAM Based Drill for Skull Base and Craniotomy Applications. Salt Lake City: University of Utah.
11. Cole CD, **Couldwell WT**. (2008). Surgical and radiation treatment of skull base meningiomas. In *US Neurology* (4, pp. 75-78). London, UK: Touch Briefings.

Video/Film/CD/Web/Podcast

1. **Couldwell WT**. (2009). Point of care: Meningiomas [Web]. BMJ. Available: <https://online.epocrates.com/noFrame/showPage.do?method=diseases&MonographId=730>.

PENDING PUBLICATIONS

Edited Books

1. **Couldwell WT** (Ed.). (in press). *General Neurosurgery (Volume editor) Youman's Textbook of Neurosurgery*.
2. **Couldwell WT** (Ed.). (in press). *Handbook of Pituitary Tumors*. Pituitary Tumor Network Association.

Book Chapters

1. Zada G, Coppens J, **Couldwell WT**, Weiss MH. (in press). Clinical Management of Nonfunctional Pituitary Adenomas. In Schwartz TH (Ed.), *Endoscopic Pituitary Surgery* (pp. Chapter 5).
2. Coppens J, **Couldwell WT**. (in press). Clival and petroclival meningiomas. In Fahlbusch R (Ed.), *Meningiomas*.
3. Coppens J, **Couldwell WT**. (in press). Endoscopic: Cranial. In H.R. Winn (Ed.), *Youman's Textbook of Neurosurgery*. Elsevier.
4. McNulty JF, **Couldwell WT**. (in press). Lateral and Infratemporal Approaches to the Cervical-Medullary Junction. In Zdeblick TA; Benzel EC; Anderson P; Stillerman CB (Ed.), *Controversies in Spinal Surgery*. Quality Medical Publishing.
5. Rao G, Rovit RL, **Couldwell WT**. (in press). Neuro-oncology Fellowships: A core curriculum for training. In Black PM (Ed.), *Neuro-oncology*. Humana Press.
6. Coppens J, **Couldwell WT**. (in press). Olfactory Groove Meningiomas. In Black PM (Ed.), *Meningiomas - A Comprehensive Test* (pp. Chapter 24.5). Philadelphia: Elsevier.
7. Coppens J, Sayama C, **Couldwell WT**. (in press). Suboccipital Infratentorial Craniotomy for Tumor Resection. In Berta S, Levy ML (Eds.), *Neurosurgery: Tricks of the Trade*. New York: Thieme.
8. Das K, **Couldwell WT**. (in press). Surgical approaches to the Cervical Medullary Junction. In Zdeblick TA; Benzel EC; Anderson P; Stillerman CB (Ed.), *Controversies in Spinal Surgery*. Quality Medical Publishing.
9. Coppens J, **Couldwell WT**. (in press). The Surgical Treatment of Prolactinomas. In Schwartz TH (Ed.), *Endoscopic Pituitary Surgery* (pp. Chapter 7).
10. Liu JK, Amini A, Orlandi R, Weiss ML, **Couldwell WT**. (in press). The use of the transsphenoidal approach to complex lesions of the skull base. In Laws ER Jr.; Lanzino G (Ed.), *Pituitary and Transsphenoidal Surgery*.

Abstracts

1. **Couldwell WT**, Stillerman CB, Weiss MH, Appley A, Chen TC, Spence A, Hinton DR, Law RE. (in press). Chronic oral Hypericin treatment of recurrent malignant gliomas [Abstract].
2. Liu JK, **Couldwell WT**. (in press). Contemporary manifestations of pituitary apoplexy [Abstract]. *Skull Base*.
3. Anker L, Law RE, Jones KD, Yong VW, Gopalakrishna R, Hinton DR, Zhang W, **Couldwell WT**. (in press). Hypericin induces apoptosis in malignant glial cells at concentrations that are not toxic to normal brain cells [Abstract].
4. **Couldwell WT**, Antel JP, Yong VW. (in press). Intratumoral administration of the potent Protein Kinase C inhibitor Staurosporine extends survival in a rat glioma model [Abstract].

Commentary

1. **Couldwell WT**. (in press). Comment on Lee K, et al.: A new technique for dural suturing with fascia graft for cerebrospinal fluid leakage in transsphenoidal surgery. *Neurosurgery*.
2. **Couldwell WT**. (in press). Comment on Locatelli D, et al.: Transnasal approaches to the sellar and parasellar region and closure techniques by biomaterials. *Acta Neurochirurgica*.
3. **Couldwell WT**. (in press). Comment on Samii M, et al.: Factors predicting facial nerve outcome following vestibular neuroma surgery. *Acta Neurochir (Wien)*.