

RICHARD H. SCHMIDT, MD, PHD

PUBLICATIONS

PEER-REVIEWED JOURNAL ARTICLES

1. **Schmidt RH**, Bhatnagar RK. (1979). Critical periods for noradrenergic regeneration in rat brain regions following neonatal subcutaneous 6-hydroxydopamine. *Life Sci*, 25(19), 1641-50.
2. Bjorklund A, **Schmidt RH**, Stenevi U. (1980). Functional reinnervation of the neostriatum in the adult rat by use of intraparenchymal grafting of dissociated cell suspensions from the substantia nigra. *Cell Tissue Res*, 212(1), 39-45.
3. **Schmidt RH**, Bhatnagar RK. (1980). Intracisternal dose-response analysis of 6-hydroxydopamine-induced noradrenergic sprouting in the neonatal rat cerebellum. *J Pharmacol Exp Ther*, 212(3), 456-61.
4. **Schmidt RH**, Kasik SA, Bhatnagar RK. (1980). Regenerative critical periods for locus coeruleus in postnatal rat pups following intracisternal 6-hydroxydopamine: a model of noradrenergic development. *Brain Res*, 191(1), 173-90.
5. **Schmidt RH**, Bjorklund A, Stenevi U. (1981). Intracerebral grafting of dissociated CNS tissue suspensions: a new approach for neuronal transplantation to deep brain sites. *Brain Res*, 218(1-2), 347-56.
6. **Schmidt RH**, Ingvar M, Lindvall O, Stenevi U, Bjorklund A. (1982). Functional activity of substantia nigra grafts reinnervating the striatum: neurotransmitter metabolism and [¹⁴C]2-deoxy-D-glucose autoradiography. *J Neurochem*, 38(3), 737-48.
7. Loren I, Bjorklund A, Lindvall O, **Schmidt RH**. (1982). Improved catecholamine histofluorescence in the developing brain based on the magnesium and aluminum (ALFA) perfusion techniques: methodology and anatomical observations. *Brain Res Bull*, 9(1-6), 11-26.
8. Skagerberg G, Bjorklund A, Lindvall O, **Schmidt RH**. (1982). Origin and termination of the diencephalo-spinal dopamine system in the rat. *Brain Res Bull*, 9(1-6), 237-44.
9. **Schmidt RH**, Bjorklund A, Lindvall O, Loren I. (1982). Prefrontal cortex: dense dopaminergic input in the newborn rat. *Brain Res*, 281(2), 222-8.
10. Bardo MT, **Schmidt RH**, Bhatnagar RK. (1985). Effects of morphine on sprouting of locus coeruleus fibers in the neonatal rat. *Brain Res*, 354(2), 161-8.
11. Dubach M, **Schmidt R**, Kunkel D, Bowden DM, Martin R, German DC. (1987). Primate neostriatal neurons containing tyrosine hydroxylase: immunohistochemical evidence. *Neurosci Lett*, 75(2), 205-10.
12. **Schmidt RH**, Dubach, M, Bowden, D.M. (1988). A computer based rotation and activity monitor for non human primates and other animals. *J Neurosci Methods*, 24, 243-251.
13. Dubach M, **Schmidt RH**, Martin R, German DC, Bowden DM. (1988). Transplant improves hemiparkinsonian syndrome in nonhuman primate: intracerebral injection, rotometry, tyrosine hydroxylase immunohistochemistry. *Prog Brain Res*, 78, 491-6.
14. Walsh AR, **Schmidt RH**, Marsh HT. (1990). Cortical mapping and resection under local anaesthetic as an aid to surgery of low and intermediate grade gliomas. *Br J Neurosurg*, 4(6), 485-91.
15. **Schmidt RH**, Grady MS, Cohen W, Wright S, Winn HR. (1992). Acute cauda equina syndrome from a ruptured aneurysm in the sacral canal. Case report. *J Neurosurg*, 77(6), 945-8.
16. **Schmidt RH**, Grady MS. (1993). Regional patterns of blood-brain barrier breakdown following central and lateral fluid percussion injury in rodents. *J Neurotrauma*, 10(4), 415-30.
17. **Schmidt RH**, Grady MS. (1995). Loss of forebrain cholinergic neurons following fluid-percussion injury: implications for cognitive impairment in closed head injury. *J Neurosurg*, 83(3), 496-502.
18. **Schmidt RH**. (1999). Use of a microvascular Doppler probe to avoid basilar artery injury during endoscopic third ventriculostomy. Technical note. *J Neurosurg*, 90(1), 156-9.
19. **Schmidt RH**, Scholten KJ, Maughan PH. (1999). Time course for recovery of water maze performance and central cholinergic innervation after fluid percussion injury. *J Neurotrauma*, 16(12), 1139-47.
20. **Schmidt RH**, Scholten KJ, Maughan PH. (2000). Cognitive impairment and synaptosomal choline uptake in rats following impact acceleration injury. *J Neurotrauma*, 17(12), 1129-39.
21. Maughan PH, Scholten KJ, **Schmidt RH**. (2000). Recovery of water maze performance in aged versus young rats after brain injury with the impact acceleration model. *J Neurotrauma*, 17(12), 1141-53.
22. Soleau, S., **Schmidt RH**, Stevens, S., Osborn, A., MacDonald, J.D. (2003). An Extensive Experience with Dural Sinus Thrombosis. *Neurosurgery*, 52(3), 534-544.
23. Klimo P Jr, Rao G, **Schmidt R**, Schmidt MH. (2003). Nerve sheath tumors involving the sacrum Case report and classification scheme. *Neurosurg Focus*, 15(2), E4.
24. **Schmidt RH**, MacDonald, J.D., Klimo, P. (2004). Vasospasm Editorial. *J Neurosurg*, 100(2), 208-209.
25. Klimo P Jr, Kestle JR, MacDonald JD, **Schmidt RH**. (2004). Marked reduction of cerebral vasospasm with lumbar

- drainage of cerebrospinal fluid after subarachnoid hemorrhage. *J Neurosurg*, 100(2), 215-24.
26. **Amini A; Schmidt RH.** (12/15/2005). Endoscopic Third Ventriculostomy in Adult Patient, A series of 36 Patients., *Neurosurg Focus*, 19(6), E9.
 27. Ragel B, Browd S, **Schmidt RH.** (08/01/2006). Surgical Shunt Infection: Significant Reduction Using Intraventricular and Systemic Antibiotics. *J Neurosurg*, 105(2), 242-247.
 28. Ragel BT, Browd SR, **Schmidt RH.** (2006). Surgical shunt infection: significant reduction when using intraventricular and systemic antibiotic agents. *J Neurosurg*, 105(2), 242-7.
 29. Amini A, **Schmidt RH**, Salzman KL Chin SS, Couldwell WT. (2006). Glioblastoma Multiforme of the Pineal Region. *J Neurooncol*, 79(3), 307-314.
 30. Klimo P, **Schmidt RH.** (2006). Computed Tomography Grading Schemes Used to Predict Cerebral Vasospasm After Subarachnoid Hemorrhage: A Historical Review. *Neurosurg Focus*, 21(3), E5.
 31. **Schmidt RH**, Kinloch IA, Burgess AN, Windle AH. (2007). The effect of aggregation on the electrical conductivity of spin-coated polymer/carbon nanotube composite films. *Langmuir*, 23(10), 5707-12.
 32. Hoekema D, **Schmidt RH**, Ross I. (2007). Lumbar Drainage for Subarachnoid Hemorrhage: Technical Considerations and Safety Analysis. *Neurocrit Care*, 7(1), 3-9.
 33. Weeden SH, **Schmidt RH.** (2007). The use of tantalum porous metal implants for Paprosky 3A and 3B defects. *J Arthroplasty*, 22(6 Suppl 2), 151-5.
 34. McCall TD, Fults DW, **Schmidt RH.** (2008). Use of Resorbable Collagen Dural Substitutes in the Presence of Cranial and Spinal Infections. *Surg Neurol*.
 35. McCall TD, Fults DW, **Schmidt RH.** (2008). Use of resorbable collagen dural substitutes in the presence of cranial and spinal infections-report of 3 cases. *Surg Neurol*, 70(1), 92-6; discussion 96-7.
 36. La Barge II DV, Ng PP, Stevens EA, Friedline NK, Kestle JR, **Schmidt RH.** (2/27/02009). Extended Intracranial Applications for Onyx Mycotic and Dissecting Aneurysms. *J Neurosurg*, on line(pdf).
 37. Bishop FS, Finn MA, Samelson M, Stevens S, **Schmidt RH.** (July 2009). Endovascular balloon angioplasty for treatment of post-traumatic venous sinus thrombosis: A case report. *J Neurosurg*, 111, 17-21.
 38. La Barge DV III, Ng PP, Stevens EA, Friedline N, Kestle JR, **Schmidt RH.** (July 2009). Intracranial applications for ethylene vinyl alcohol copolymer (Onxy®): Mycotic and dissecting aneurysms. *J Neurosurg Spine*, 111, 114-118.

NON PEER-REVIEWED JOURNAL ARTICLES

1. **Schmidt RH**, MacDonald JD, Klimo P. (February 2004). Response to Editorial. *J Neurosurg*, 100(2), 208-209.
2. Hoekema D, **Schmidt RH**, Ross I. (2007). Lumbar drainage for subarachnoid hemorrhage: technical considerations and safety analysis. *Neurocrit Care*, 7(1), 3-9.

REVIEW ARTICLES

1. Amini A, **Schmidt RH.** (2005). Endoscopic third ventriculostomy in a series of 36 adult patients. *Neurosurg Focus*, 19(6), E9.
2. Klimo P Jr, **Schmidt RH.** (2006). Computed tomography grading schemes used to predict cerebral vasospasm after aneurysmal subarachnoid hemorrhage: a historical review. *Neurosurg Focus*, 21(3), E5.

BOOK CHAPTERS

1. **Schmidt RH**, Bjorklund, A. and Loren, I. (1981). Neuron target interactions in the development of central catecholamine systems. In J.D. Feldman, D.R. Garrod (Eds.), *Development in the Nervous System* (pp. 85-105). London: Cambridge University Press.
2. **Schmidt RH**, Bjorklund A., Stenevi U., Dunnett, S.B., Gage, F.H. (1983). Activity of intrastriatal nigral suspension implants as assessed by measurements of dopamine synthesis and metabolism. In *Intracerebral Grafting of Neuronal Cell Suspensions* (pp. 19-28).
3. Dunnett, S.B., Bjorklund, A., **Schmidt RH**, Stenevi U, Iversen, S.D. (1983). Behavioural recovery in rats with bilateral 6 OHDA lesions following implantation of nigral cell suspensions. In *Intracerebral Grafting of Neuronal Cell Suspensions* (pp. 39-47).
4. Dunnett, S.B., Bjorklund, A., **Schmidt RH**, Stenevi, U., Iversen, S.D. (1983). Behavioural recovery in rats with unilateral 6 OHDA lesions following implantation of nigral cell suspensions in different brain sites. In *Intracerebral Grafting of Neuronal Cell Suspensions* (pp. 29-37).
5. **Schmidt RH**, Bjorklund, A., Stenevi, U., Dunnett, S.B. (1983). Intracerebral grafting of dissociated CNS tissue suspensions. In F.J. Seil (Ed.), *Nerve, Organ, and Tissue Regeneration: Research Perspectives* (pp. 325-357). New York: Academic Press.
6. Bjorklund, A., Stenevi, U., **Schmidt RH**, Dunnett, S.B., Gage, F.H. (1983). Introduction and general methods of

- preparation. In *Intracerebral Grafting of Neuronal Cell Suspensions* (pp. 9-18).
7. Bjorklund, A., Gage, F.H., **Schmidt RH**, Stenevi U, Dunnett, S.B. (1983). Recovery of choline acetyltransferase activity and acetylcholine synthesis in the denervated hippocampus reinnervated by septal suspension implants. In *Intracerebral Grafting of Neuronal Cell Suspensions* (pp. 59-66).
 8. Bjorklund, A., Stenevi, U., **Schmidt R.H.**, Dunnett, S.B., Gage, F.H. (1983). Survival and growth of nigral cell suspensions implanted in different brain sites. In *Intracerebral Grafting of Neuronal Cell Suspensions* (pp. 9-18).
 9. **Schmidt RH**, Klimo P. (2005). Cerebral Vasospasm is Markedly Reduced by Lumbar Cerebrospinal Fluid Drainage. In Macdonald RL (Ed.), *Cerebral Vasospasm: Advances in Research and Treatment* (pp. 259-262). New York: Thieme Medical Publishers, Inc.

CONFERENCE PROCEEDINGS

1. **Schmidt RH**, Klimo, P. (2004). Proceedings of the 8th International Conference of Cerebral Vasospasm. *Cerebral Vasospasm, New York*.

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

Case Reports

1. **Schmidt RH**, Rietz LA, Patel BC, Osborne AG, Pratt D, Digre KB. (2001). Compressive optic neuropathy caused by renal osteodystrophy. Case report. *J Neurosurg*, 95(4), 704-9.
2. Amini A, **Schmidt RH**, Salzman KL, Chin SS, Couldwell WT. (2006). Glioblastoma multiforme of the pineal region. *J Neurooncol*, 79(3), 307-14.
3. 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.

Letters

1. **Schmidt RH**, Klimo, P., MacDonald, J.D. (2004). Marked reduction of cerebral vasospasm with lumbar drainage of cerebrospinal fluid after subarachnoid hemorrhage [Letter to the editor]. *J Neurosurg*, 101, 357.

PENDING PUBLICATIONS

Journal Articles

1. **Schmidt RH**. (pending). Anatomic Variations of the Basilar Artery in Endoscopic Third Ventriculostomy. *J Neurosurg*.
2. LaBarge III DV, NG PP, Stevens EA, Freidline N, Kestlel JR, **Schmidt RH**. (pending). Extended Intracranial Applications of Ethylene Vinyl Alcohol Copolymer (OnyxA®):Mycotic and Dissecting Aneurysms. *J Neurosurg*.
3. Labarge II DV, Stevens EA, Ng PP, Bishop F, Escandari R, **Schmidt RH**, Skalabrin E. (pending). Intrasinus Catheter-Directed Heparin Infusion in the Treatment of Dural Venous Sinus Thrombosis. *AJNR Am J Neuroradiol, on line(pdf)*.
4. **Schmidt RH**, Scholten KJ. (pending). Repeated Concussion Model of Head Injury with Fluid Percussion--Effects on Water Maze Performance and Forebrain Cholinergic Innervation, 2001, under revision. *J Neurotrauma*.
5. Liu JK, Gottfried OH, Salzman KL, **Schmidt RH**, Couldwell WT. (pending). Ruptured Intracranial Dermoid Cysts: Clinical, Radiographic, and Surgical Features, submitted 2005. *Neurosurgery*.