

JOEL D. MACDONALD, MD PUBLICATIONS

PEER-REVIEWED JOURNAL ARTICLES

1. Walker ML, **MacDonald JD**, Wright LC. (1992). The History of Ventriculography: Where Do We Go From Here. *Pediatr Neurosurg*, 18, 218-223.
2. **MacDonald JD**, Gyorke A, Jacobs JM, Mohammad SF, Sunderland PM, Reichman MV. (1994). Acute phase vascular endothelial injury: a comparison of temporary arterial occlusion using an endovascular occlusive balloon catheter versus a temporary aneurysm clip in a pig model. *Neurosurgery*, 34(5), 876-81; discussion 881.
3. Granger NA, **MacDonald JD**, Menold M, Ebersohl R, Hiruma K, Cann CL, Riddiford LM. (1994). Evidence of a stimulatory effect of cyclic AMP on corpus allatum activity in *Manduca sexta*. *Mol Cell Endocrinol*, 103(1-2), 73-80.
4. **MacDonald JD**, Remington BJ, Rodgers GM. (1994). The skin bleeding time test as a predictor of brain bleeding time in a rat model. *Thromb Res*, 76(6), 535-40.
5. **MacDonald JD**. (1997). Advances in Neurovascular Surgery. *Curr Opin Neurol*, 10, 73-75.
6. Duncan JD, **MacDonald JD**. (1998). Extraction of broken pedicle screws: technical note. *Neurosurgery*, 42(6), 1399-400.
7. **MacDonald JD**, Antonelli P, Day AL. (1998). The anterior subtemporal, medial transpetrosal approach to the upper basilar artery and ponto-mesencephalic junction. *Neurosurgery*, 43(1), 84-9.
8. Swenson, JD, Durcan, S, Johnson, D, Porth, J, **MacDonald JD**. (2001). The Successful Treatment of a Spino-Subcutaneous Fistula After Bone Marrow Harvest by Using an Epidural Blood Patch. *Anesth Analg*, 92, 1050-1051.
9. Cannon-Albright, L, Camp, NJ, Farnham, JM, **MacDonald JD**, Abtin, K, Rowe, KG. (2003). A Genealogical Assessment of Heritable Predisposition to Aneurysms. *Neurosurgery*, 99, 637-643.
10. Soleau SW, Schmidt R, Stevens S, Osborn A, **MacDonald JD**. (2003). Extensive experience with dural sinus thrombosis. *Neurosurgery*, 52(3), 534-44; discussion 542-4.
11. Liu, J, Schmidt, MH, **MacDonald JD**, Jensen, RL, Couldwell, WT. (May 2003). Hypophyseal Transposition (Hypophysopexy) for Radiosurgical Treatment of Pituitary Tumors Involving the Cavernous Sinus. *Neurosurg Focus*, 14, 1-5.
12. Farnham, JM, Camp, NJ, Neuhausen, SL, Tsuruda, J, Parker, D, **MacDonald JD**, Cannon-Albright, LA. (February 2004). Confirmation of Chromosome 7q11 Locus for Intracranial Aneurysm Predisposition. *Hum Genet*, 114 (3), 250-5.
13. 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.
14. 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.
15. **MacDonald JD**, Couldwell, WT. (June 2004). Revision of Vagal Nerve Stimulator Electrodes: Technical Approach. *Acta Neurochir (Wien)*, 1646 (6), 567-570.
16. **MacDonald JD**. (2004). Seeding of a Cavernous Angioma with Mycoplasma Hominis: Author's Response. *Neurosurgery*, 55(5), 1228.
17. Berthelemy-Okazaki N, Zhao Y, Yang Z, Camp NJ, Farnham JM, Parker D, Tsuruda J, **MacDonald J**, Zhang K, Cannon Albright LA. (2005). Examination of ELN as a Candidate Gene in the Utah Intracranial Aneurysm Pedigrees. *Stroke*, 36, 1283-1284.
18. **MacDonald JD**. (2005). Learning to perform microvascular anastomosis. *Skull Base*, 15(3), 229-40.
19. House PA, **MacDonald JD**, Tresco PA, Normann RA. (05/01/2006). Acute Microelectrode Array Implantation into Human Neocortex: Preliminary Technique and Histological Considerations. *Neurosurg Focus*, 20((5):E4), 1-4.
20. 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.
21. McCall TD, **MacDonald JD**. (2006). Cervical catheter tip placement for intrathecal baclofen administration. *Neurosurgery*, 59(3), 634-40; discussion 634-40.
22. **MacDonald JD**, Hendershot WH. (2006). Modelling trace metal partitioning in forest floors of northern soils near metal smelters. *Environ Pollut*, 143(2), 228-40.
23. Ragel BT, Asher AL, Selden N, **MacDonald JD**. (2006). Self-assessment in neurological surgery: the SANS wired white paper. *Neurosurgery*, 59(4), 759-65; discussion 765-6.

NON PEER-REVIEWED JOURNAL ARTICLES

1. Browd SR, MacDonald JD. (2005). Percutaneous dilational tracheostomy in neurosurgical patients. *Neurocrit Care*, 2(3), 268-73.
2. MacDonald JD. (May 2005). CNS Internet Tools and Neurosurgery. *Clin Neurosurg*, 52, 45-52.

REVIEW ARTICLES

1. MacDonald JD, Day AL. (1996). Surgical approaches to aneurysms of the upper basilar artery. *Clin Neurosurg*, 43, 127-36.

BOOKS

Edited Books

1. MacDonald JD, Lofendo D (Eds.). (December 1999). *Disorder of the Month: Chiari Malformations*. Neurosurgery.
2. MacDonald JD, Lofendo D (Eds.). (January 2000). *Disorder of the Month: Pituitary Tumors*. Neurosurgery.
3. MacDonald JD, Lofendo D (Eds.). (February 2000). *Disorder of the Month: Parkinson's Disease*. Neurosurgery.
4. MacDonald JD, Copp J (Eds.). (September 2000). *Disorder of the Month: Concussion*.
5. MacDonald JD, Copp J (Eds.). (December 2000). *Disorder of the Month: Cauda Equina*.
6. MacDonald JD (Ed.). (2001). *CNS Neurosurgery News, 2001 CNS Annual Meeting Issue*.
7. MacDonald JD, Copp J (Eds.). (January, 2001). *Disorder of the Month: Hydrocephalus*.
8. MacDonald JD, Copp J (Eds.). (February 2001). *Disorder of the Month: Low Back Pain*.
9. MacDonald JD, Copp J (Eds.). (July 2001). *Disorder of the Month: Neck Pain*.
10. MacDonald JD, Copp J (Eds.). (September, 2001). *Disorder of the Month: Dystonia*.
11. MacDonald JD, Copp J (Eds.). (December 2001). *Disorder of the Month: Trigeminal Neuralgia*.
12. MacDonald JD (Ed.). (2002). *CNS Neurosurgery News, 2002 Annual Meeting Issue*.
13. MacDonald JD (Ed.). (2002). *CNS Neurosurgery News, 2002 CNS Annual Meeting Issue*.
14. MacDonald JD, Soni D (Eds.). (April 2003). *Disorder of the Month: Treatment Options for Cerebral Aneurysms: Medical Therapy, Surgical Clipping and Endovascular Coiling*.
15. MacDonald JD, Winn HR (Eds.). (November 2003). *Youmans Neurological Surgery*. Philadelphia, PA: WB Saunders.

CONFERENCE PROCEEDINGS

1. Selden, Abdulrauf, MacDonald, Rodts, Asher. (01/01/2006). SANSwird: A Tool for Education and Certification. Proceedings of the American Society of Pediatric Neurosurgeons, 29th Annual Meeting, Bahamas. *American Society of Pediatric Neurosurgeons, 29th Annual Meeting*.

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

Commentary

1. MacDonald JD. (2003). Comment on Yamada et al. The Emergency Image Transfer System Through a Mobile Phone in Japan: Technical Note. *Neurosurgery*, 52, 986-990.
2. MacDonald, JD. (May 2004). Comment on Fiorella et al. Strategies for the Management of Intraprocedural Thromboembolic Complications with Abciximab (ReoPro). *Neurosurgery*, 42(5), 1097-1098.
3. MacDonald JD. (2005). Comment on Coenen. Sequential Visualization of Brain and Fiber Tract Deformation During Intracranial Surgery with 3D-Ultrasound (3DUS): An Approach to Evaluate the Effect of Brain Shift. *Neurosurgery*, 56, ONS133-ONS141.
4. MacDonald JD. (July 2005). Comment on Ilveskero et al. D-Dimer Predicts Outcome After Aneurysmal Subarachnoid Hemorrhage: No Effect of Thromboprophylaxis on Coagulation Activity. *Neurosurgery*, 57(1), 16-22.
5. MacDonald JD. (July 2005). Comment on Mocco et al. Aggressive Cranial Vault Decompression for Cranial Hyperostosis: Technical Case Report of Two Cases. *Neurosurgery*, 57(1), E212.
6. MacDonald JD. (September 2005). Comment on Nonaka et al. Prolonged Hypotension After Carotid Artery Stenting. *Neurosurgery*, 57(3), 472-477.
7. MacDonald JD. (05/01/2006). Comment on Deen et al. Removal of Orbital Metallic Foreign Body to Facilitate Magnetic Resonance Imaging. *Neurosurgery*, 58(5), 999.
8. MacDonald JD. (10/1/2006). Comment on Steiner et al. Dynamics of Intraventricular Hemorrhage in Patients with Spontaneous Intracerebral Hemorrhage: Risk Factors, Clinical Impact, and Effect of Hemostatic Therapy with Recombinant Activated Factor VII. *Neurosurgery* 59(4):767-774, October 2006. *Neurosurgery*, 59(4), 774.

9. **MacDonald JD.** (02/01/2007). Comment on Mikami et al. Novel Bipolar Forceps with Protein Repellence Using Gold-Polytetrafluoroethylene Composite Film. *Neurosurgery*, 60(ONS Suppl 1), ONS157-160, discussion 160-161.

Book Reviews

1. **MacDonald JD.** (April 2004). Neurosurgery Oral Board Review. Jonathan Stuart Citow. New York: Thieme Medical Publishers, Inc., 2003, 206 pp. [Review of the book *J Neurosurg*]. *Journal of Neurosurgery*, 100, 731-732.
2. **MacDonald JD.** (06/01/2007). Atlas of Neurosurgical Techniques: Brain. Laligam N. Sekhar and Richard G. Fessler, editors. New York: Thieme Medical Publishers, Inc., 2006 1104 pp illus. *Journal of Neurosurgery*, 106, 1134.

Case Reports

1. Glastonbury CM, Warner JE, **MacDonald JD.** (2003). Optochiasmal apoplexy from a cavernoma. *Neurology*, 61(2), 266.
2. House, P, Dunn, J, Carroll, K, **MacDonald JD.** (2003). Seeding of a Cavernous Angioma with Mycoplasma hominis. *Neurosurgery*, 53(3), 749-753.
3. 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.
4. Duhon BS, **MacDonald JD.** (2007). Infusion of intrathecal baclofen for acute withdrawal. Technical note. *J Neurosurg*, 107(4), 878-80.
5. Liu JK, Sayama CM, Shelton C, **MacDonald JD.** (2007). Transient facial nerve palsy after topical papaverine application during vestibular schwannoma surgery. Case report. *J Neurosurg*, 107(5), 1039-42.

Editorials

1. **MacDonald JD.** (2000). 'U Physicians' 'Brain Attack' Team Urges Immediate Stroke Intervention. *Pulse*.
2. **MacDonald JD.** (Spring 2000). Neurosurgery://On-Call: Online Directories. *CNS Neurosurgery News*, 1(2), 16.
3. **MacDonald JD.** (Summer 2000). Neurosurgery:// On-Call: A New Look. *CNS Neurosurgery News*, 1(3), 20.
4. **MacDonald JD.** (Fall 2000). Neurosurgery:// On-Call Update. *CNS Neurosurgery News*, 1(4), 7.
5. **MacDonald JD.** (Winter 2000). Your Online Resource. *CNS Neurosurgery News*, 1(1), 22.
6. **MacDonald JD.** (Spring 2001). Neurosurgery:// On-Call Update. *CNS Neurosurgery News*, 2(3), 7.
7. **MacDonald JD.** (Spring 2001). World Directory of Neurological Surgeons. *CNS Neurosurgery News*, 2(3), 7.
8. **MacDonald JD.** (Summer 2001). Many Improvements Increase Web Site's Value. *AANS Bulletin*, 10, 2.
9. **MacDonald JD.** (2002). Job Placement Service. *CNS Neurosurgery News*, 3(2), 13.
10. **MacDonald JD.** (2003). The 2003 CNS Annual Meeting Committee Report. *CNS Neurosurgery News*, 4(5), 5.
11. **MacDonald JD.** (Winter 2005). CNS Information and Technology Committee Report, The CNS-PA: A Personalized Internet Experience. *CNS Neurosurgery News*.
12. Wolfla C, **MacDonald JD.** (Spring 2005). The CNS Digital Poster Center. *CNS Neurosurgery News*, 6(3), 10.
13. **MacDonald JD.** (01/01/2006). Computers in Neurosurgical Education. *AANS Bulletin*, 14(4), 35.

Letters

1. Schmidt R, Klimo P Jr, **MacDonald JD.** (2004). Marked reduction of cerebral vasospasm with lumbar CSF drainage following subarachnoid hemorrhage: Response to Letter to the Editor [Letter to the editor]. *J Neurosurg*, 101(2), 357.

Other

1. **MacDonald JD**, Day R, Heilbrun MP. (February 1992). OP Coder Pro (Computer Program) Operative Report Database. In *University of Utah*.
2. **MacDonald JD.** (Fall 1999/Winter 2000). Exploring the Practice of Neurosurgery in 2025: A Time of. (8). *AANS Bulletin*.
3. **MacDonald JD.** (April 2000). Advertorial Insert. *AANS USA Today*.
4. **MacDonald JD**, Greenberg, MS. (2002). Pocketneurosurgeon: Top 100 Imaging Diagnoses. PDA Version. Salt Lake City, Utah: Amirsys, Inc.
5. **MacDonald JD.** (November 2003). Multiple Intracranial Arterial Stenoses Around the Circle of Willis Associated with Graves' Disease: Report of Two Cases; Comment. In *Neurosurgery* (53, p. 1215).
6. Liu JK, Tenner MS, Stevens EA, Gottfried ON, Rosenow JM, Madan N, **MacDonald JD**, Kestle JR, Couldwell WT. (01/01/2005). Efficacy of Multiple Intraarterial Papavarine Infusions on Cerebral Circulation Time in Patients with Recurrent Cerebral Vasospasm. In Gibbs SR and Verma A (Ed.), *Year Book of Neurology and Neurosurgery* (2005, pp. 222-223). Philadelphia: Elsevier.
7. MacDonald, JD. (2005). Comment on Ascher et al. Intraoperative Carotid Artery Duplex Scanning in a Modern Series of 650 Consecutive Primary Endarterectomy Procedures. In Gibbs SR, Verna A (eds.) (Eds.), *Year Book of Neurology and Neurosurgery* (pp. 245-248). Philadelphia: Elsevier.
8. **MacDonald JD.** (04/01/2006). Treasurer's Report, 2006 AANS Meeting Issue. In *CNS Neurosurgery News* (AANS

- Meeting Issue, 7, p. 10). Schaumburg: Congress of Neurological Surgeons.
9. Jeanne Davant. (October 2006). "Treating Chronic Back Pain: A Case Study", Interview with Jeanne Davant, Senior Medical Writer. In MacDonald JD (Ed.), *M.D. News* (Southern Rocky Mountain Region Edition, 4, pp. 5-7).
 10. **MacDonald JD**. (Winter 2006). Treasurer's Note. In *Congress Quarterly* (p. 29). Congress of Neurological Surgeons.
 11. X96.3 Radio From Hell & Joel D. MacDonald. (08/28/2008). X96.3 Radio From Hell - Guest Speaker "Ask a Brain Surgeon". In *Ask a Brain Surgeon*. Salt Lake City, Utah: X96.3 Radio from Hell.

Reports

1. Joel D. MacDonald MD treasurer CNS. (2008). *Congress Quarterly - International Neurosurgery- Treasures Annual Report*.
2. Joel D. MacDonald MD, CNS Past Treasurer. (2009). *Congress Quarterly (2009), Working Together To Make The Connection - CNS Treasurer's Report*.

Video/Film/CD/Web/Podcast

1. **MacDonald JD**. (01/01/1996). Online Accessible Archival of past CNS and AANS abstracts [Web].
2. **MacDonald JD**. (01/01/1997). Online Abstract Submission for Congress of Neurological Surgeons [Web].
3. **MacDonald JD**. (2002). Cerebral Revascularization Techniques and The Pterional Approach [Video]. Philadelphia.
4. **MacDonald JD**, House P. (2002). Rat Femoral Artery Anastomosis [Video]. Salt Lake City.
5. **MacDonald JD**. (2003). Anterior Temporal Lobectomy [Video]. Salt Lake City.
6. **MacDonald JD**, Brown S. (2003). Percutaneous Dilational Tracheostomy in Neurosurgical Patients [Video].
7. Macdonald JD. (2003). Spinal Cord Cavernous Malformation Resection [Video]. Denver.

PENDING PUBLICATIONS

Journal Articles

1. Binning ML, Hauschild T, Amini A, **MacDonald JD**. (in press). Delayed post-traumatic saccular aneurysm of PICA in an adolescent. *Acta Neurochir (Wien)*.
2. Gilbert ME, Shelton C, MacDonald A, Saizman KL, Harnsberger HR, Sharma PK, Jensen RL. (pending). Meningioma of the jugular foramen: Glomus juglare mimic and surgical challenge. *Journal Not Yet Confirmed*.

Book Chapters

1. Duhon B, **MacDonald JD**. (In Press). Procedure: Placement of intrathecal baclofen or morphine pump. In Berta SC, Levy ML (Eds.), *Neurosurgery: Tricks of the Trade*. New York: Thieme.