



Frederick B. Harris, MD
Research, Publications & Presentations

BOOK CHAPTERS

1. Harris FB, Gross NL, Boop FA. Sectioning of the Filum Terminale. In: Goodrich JT, ed. Neurosurgical Operative Atlas 2nd Edition. Pediatric Neurosurgery. New York: Thieme, 2008. 136-141.
2. Harris FB, Gross NL, Boop FA. Diastematomyelia. In: Goodrich JT, ed. Neurosurgical Operative Atlas 2nd Edition. Pediatric Neurosurgery. New York: Thieme, 2008. 142-146.
3. Harris FB, Gross NL, Boop FA. Lipomyelomeningoceles. In: Goodrich JT, ed. Neurosurgical Operative Atlas 2nd Edition. Pediatric Neurosurgery. New York: Thieme, 2008. 147-151.
4. Harris FB, Gross NL, Boop FA. Untethering of the Spinal Cord after a Previous Myelomeningocele Repair. In: Goodrich JT, ed. Neurosurgical Operative Atlas 2nd Edition. Pediatric Neurosurgery. New York: Thieme, 2008. 152-156.

PUBLICATIONS/PRESENTATIONS

1. Lee EJ, Ayoub IA, Harris FB, Hassan M, Ogilvy CS, Maynard KI. Mexiletine and magnesium independently, but not combined, protect against permanent focal cerebral ischemia in Wistar rats. *Journal of Neuroscience Res*, 1999, Vol 58, Iss 3 pp. 442-448.
2. Sly, Prager, Li, Harris FB, Shastri, Bhujle, Chao, Kulkarni, Constantinescu, Jessen, Eberhart: Platelet and neutrophil distributions in pump oxygenator circuits.III. Influence of nitric oxide gas infusion. *ASAIO Journal* 42: M494 - M499, 1996.

RESEARCH EXPERIENCE

1. "The Neuroprotective Effect of Mexiletine Following Stroke." Harvard University/Massachusetts General Hospital, Neurosurgical Services, Boston, Massachusetts. (Ogilvy, M.D., Maynard, Ph.D.) 1998
2. "Platelet and neutrophil accumulation in liver and lung following cardiopulmonary bypass with membrane oxygenators." U. of Texas Southwestern Medical Center at Dallas, Department of Biomedical Engineering and Surgery. (Eberhart, Ph.D., Jessen, M.D.) 1995
3. "Platelet and neutrophil distributions in pump oxygenator circuits." U. of Texas Southwestern Medical Center at Dallas, Department of Biomedical Engineering and Surgery. 1995
4. "Platelet response to cardiopulmonary bypass studied by gamma scintigraphy and platelet aggregometry." U. of Texas Southwestern Medical Center at Dallas, Department of Biomedical Engineering and Surgery. 1995
5. "The development of a mechatronic and robotic laboratory for undergraduate study." Southern University, Dept. of Mechanical Engineering. 1991

6. "Design of a portable lifting chair for joint deficient individuals providing assistance in sitting and standing." National Aeronautics and Space Administration, Marshall Space Flight Center, Structural Development Division. 1989