Stanford



Michael S. B. Edwards, MD

Lucile Packard Children's Hospital Professor in Pediatric Neurosurgery, Emeritus

Curriculum Vitae available Online

CONTACT INFORMATION

- **Administrative Contact**

  Beverly Torres - Pediatric Neurosurgery Coordinator

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Bio

ACADEMIC APPOINTMENTS

- Emeritus Faculty-Med Ctr Line, Neurosurgery
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

- Co-Director Children's Brain Tumor Center, Neuroscience Institute, (2007-2017)
- Director, Regional Pediatric Neurosurgery, (2004-2017)
- Division Chief, Pediatric Neurosurgery, (2004-2017)
- Lucile Packard Endowed Professor, Neurosurgery & Pediatric Neurosurgery, (2004-2017)

HONORS AND AWARDS

- Distinguished Achievement Award, Hydrocephalus Association (July 2008)
- Ablin Award Lecture, Western Neurosurgical Society (Septembner 2018)
- Preuss Award, Congress of Neurological Surgeons (1987)
- President, California Association of Neurosurgeons (2005-2006)

PROFESSIONAL EDUCATION

- Fellowship, University of CA, San Francisco , Neuro-Oncology/Pediatric Neurosurgery (1978)
- Medicine, Tulane University , Neurosurgery (1976)
- MD, Tulane University , Medicine (1970)

Research & Scholarship

CLINICAL TRIALS

- Blood and Marrow Transplant Clinical Research Network, Not Recruiting

- In Vivo Characterization of Macrophages in Pediatric Patients With Malignant Brain Tumors Using Ferumoxytol-enhanced MRI, Not Recruiting

Publications

PUBLICATIONS

- **Artificial intelligence for automatic cerebral ventricle segmentation and volume calculation: a clinical tool for the evaluation of pediatric hydrocephalus.** *Journal of neurosurgery. Pediatrics*
  Quon, J. L., Han, M. n., Kim, L. H., Koran, M. E., Chen, L. C., Lee, E. H., Wright, J. n., Ramaswamy, V. n., Lober, R. M., Taylor, M. D., Grant, G. A., Cheshier, S. H., Kestle, et al
  2020: 1–8

- **One Hundred Years of Innovation: Automatic Detection of Brain Ventricular Volume using Deep Learning in a Large-Scale Multi-Institutional Study**
  Han, M., Quon, J., Kim, L., Shpanskaya, K., Lee, E., Kestle, J., Lober, R., Taylor, M., Ramaswamy, V., Edwards, M., Yeom, K.
  LIPPINCOTT WILLIAMS & WILKINS.2019

- **Transnasal endoscopic approach for pediatric skull base lesions: a case series.** *Journal of neurosurgery. Pediatrics*
  Quon, J. L., Kim, L. H., Hwang, P. H., Patel, Z. M., Grant, G. A., Cheshier, S. H., Edwards, M. S.
  2019: 1–12

- **Outcomes After Endoscopic Endonasal Resection of Craniopharyngiomas in the Pediatric Population** *WORLD NEUROSURGERY*
  Patel, V. S., Thamboo, A., Quon, J., Nayak, J. V., Hwang, P. H., Edwards, M., Patel, Z. M.
  2017; 108: 6–14

- **Purification and Characterization of Progenitor and Mature Human Astrocytes Reveals Transcriptional and Functional Differences with Mouse** *NEURON*
  Zhang, Y., Sloan, S. A., Clarke, L. E., Caneda, C., Plaza, C. A., Blumenthal, P. D., Vogel, H., Steinberg, G. K., Edwards, M. S., Li, G., Duncan, J. A., Cheshier, S. H., Shuer, et al
  2016; 89 (1): 37-53

- **Carbon dioxide laser for corpus callosotomy in the pediatric population.** *Journal of neurosurgery. Pediatrics*
  Choudhri, O., Lober, R. M., Camara-Quintana, J., Yeom, K. W., Guzman, R., Edwards, M. S.
  2015; 15 (3): 321-327

- **Hydrocephalus decreases arterial spin-labeled cerebral perfusion.** *AJNR. American journal of neuroradiology*
  Yeom, K. W., Lober, R. M., Alexander, A., Cheshier, S. H., Edwards, M. S.
  2014; 35 (7): 1433-1439

- **Diffusion-Weighted MRI: Distinction of Skull Base Chordoma from Chondrosarcoma.** *AJNR. American journal of neuroradiology*
  Yeom, K. W., Lober, R. M., Mobley, B. C., Harsh, G., Vogel, H., Allagio, R., Pearson, M., Edwards, M. S., Fischbein, N. J.
  2013; 34 (5): 1056-1061

- **COMPARISON OF DIPG NEUROSPHERE CELL LINES FROM THREE PATIENTS** *16th Annual Scientific Meeting of the Society-for-Neuro-Oncology (SNO)/AANS/CNS Section on Tumors*
  Monje, M., Mitra, S. S., Freret, M. E., Edwards, M. S., Weissman, I. L., Beachy, P. A.
  OXFORD UNIV PRESS INC.2011: 165–165

- **Hedgehog-responsive candidate cell of origin for diffuse intrinsic pontine glioma** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Monje, M., Mitra, S. S., Freret, M. E., Raveh, T. B., Kim, J., Masek, M., Attema, J. L., Li, G., Haddix, T., Edwards, M. S., Fisher, P. G., Weissman, I. L., Rowitch, et al
  2011; 108 (11): 4453-4458

- **Fronto-orbital advancement using an en bloc frontal bone craniectomy.** *Neurosurgery*
  Guzman, R., Looby, J. F., Schendel, S. A., Edwards, M. S.
  2011; 68 (1): 68-74

- **Fronto-orbital Advancement Using an En Bloc Frontal Bone Craniectomy** *NEUROSURGERY*
  Guzman, R., Looby, J. F., Schendel, S. A., Edwards, M. S.
  2011; 68 (3): 68-74

- **Epilepsy surgery following brain tumor resection in children Clinical article** *JOURNAL OF NEUROSURGERY-PEDIATRICS*
  Tian, A. G., Edwards, M. S., Williams, N. J., Olson, D. M.
  2011; 7 (3): 229-234

- **Primary Pediatric Skull Tumors** *PEDIATRIC NEUROSURGERY*
  Gephart, M. G., Colglazier, E., Paulk, K. L., Vogel, H., Guzman, R., Edwards, M. S.
  2011; 47 (3): 198-203

- **PROGNOSTIC FEATURES OF CHILDHOOD MEDULLOBLASTOMA BY MAGNETIC RESONANCE IMAGING**
  Yeom, K., Andre, J. B., Rosenburg, J. K., Mobley, B. C., Vogel, H., Fisher, P. G., Edwards, M. B., Barnes, P. D., Partap, S.
  OXFORD UNIV PRESS INC.2010: II7

- **ISOLATION OF BRAIN CANCER STEM CELLS FROM GLIOBLASTOMA USING AN ANTIBODY LIBRARY** *13th Annual Meeting of the Society-for-Neuro-Oncology (SNO)*
  Raveh, T., Luppen, C., Cox, D., Higgins, D., Cheshier, S., Ailles, L., Edwards, M. S., Harsh, G., Weissman, I.
  OXFORD UNIV PRESS INC.2008: 904–

- **Isolation of brain cancer stem cells using signaling pathway reporters** *12th Annual Meeting of the Society-for-Neuro-Oncology*
  Ailles, L., Cheshier, S., Raveh, T., Higgins, D., Harsh, G., Edwards, M., Weissman, I.
  OXFORD UNIV PRESS INC.2007: 593–93

- **Intraventricular myxoid meningioma in a 7-year-old female** *12th Annual Meeting of the Society-for-Neuro-Oncology*
  Dulai, M. S., Khan, A., Edwards, M. S., Vogel, H.
  OXFORD UNIV PRESS INC.2007: 550–51

- **Stereotactic radiosurgery for pediatric intracranial arteriovenous malformations: the University of California at San Francisco experience** *JOURNAL OF NEUROSURGERY*
  Smyth, M. D., Sneed, P. K., Ciricillo, S. F., Edwards, M. S., Wara, W. M., Larson, D. A., Lawton, M. T., Gutin, P. H., McDermott, M. W.
  2002; 97 (1): 48-55

- **Results of radiosurgery for recurrent gliomas** *2nd International-Stereotactic-Radiosurgery-Society Meeting*
  McDermott, M. W., Sneed, P. K., Chang, S. M., Gutin, P. H., Wara, W. M., Verhey, L. J., Smith, V., Petti, P. L., Ho, M., Park, E., Edwards, M. S., Prados, M. D., Larson, et al
  KARGER.1996: 102–112

- **A DEEP LEARNING MODEL FOR AUTOMATIC POSTERIOR FOSSA PEDIATRIC BRAIN TUMOR SEGMENTATION: A MULTI-INSTITUTIONAL STUDY**
  Tam, L., Lee, E., Han, M., Wright, J., Chen, L., Quon, J., Lober, R., Poussaint, T., Grant, G., Taylor, M., Ramaswamy, V., Ho, C., Cheshier, et al
  OXFORD UNIV PRESS INC.2020: 359

- **In Reply: Early Diffusion Magnetic Resonance Imaging Changes in Normal-Appearing Brain in Pediatric Moyamoya Disease.** *Neurosurgery*
  Quon, J. L., Kim, L. H., MacEachern, S. J., Maleki, M., Steinberg, G. K., Madhugiri, V., Edwards, M. S., Grant, G. A., Yeom, K. W., Forkert, N. D.
  2020

- **Recurrence of cavernous malformations after surgery in childhood.** *Journal of neurosurgery. Pediatrics*
  Prolo, L. M., Jin, M. C., Loven, T. n., Vogel, H. n., Edwards, M. S., Steinberg, G. K., Grant, G. A.
  2020: 1–10

- **Deep Learning for Automated Delineation of Pediatric Cerebral Arteries on Pre-operative Brain Magnetic Resonance Imaging** *Frontiers in Surgery*
  Quon, J. L., et al
  2020; 7

- **Diffusion tensor magnetic resonance imaging of the optic nerves in pediatric hydrocephalus.** *Neurosurgical focus*
  Shpanskaya, K., Quon, J. L., Lober, R. M., Nair, S., Johnson, E., Cheshier, S. H., Edwards, M. S., Grant, G. A., Yeom, K. W.
  2019; 47 (6): E16

- **Posterior fossa syndrome and increased mean diffusivity in the olivary bodies.** *Journal of neurosurgery. Pediatrics*
  Yecies, D., Jabarkheel, R., Han, M., Kim, Y., Bruckert, L., Shpanskaya, K., Perez, A., Edwards, M. S., Grant, G. A., Yeom, K. W.
  2019: 1–6

- **Reduced field of view echo-planar imaging diffusion tensor MRI for pediatric spinal tumors.** *Journal of neurosurgery. Spine*
  Kim, L. H., Lee, E. H., Galvez, M., Aksoy, M., Skare, S., O'Halloran, R., Edwards, M. S., Holdsworth, S. J., Yeom, K. W.
  2019: 1–9

- **Early Diffusion Magnetic Resonance Imaging Changes in Normal-Appearing Brain in Pediatric Moyamoya Disease.** *Neurosurgery*
  Quon, J. L., Kim, L. H., MacEachern, S. J., Maleki, M., Steinberg, G. K., Madhugiri, V., Edwards, M. S., Grant, G. A., Yeom, K. W., Forkert, N. D.
  2019

- **Pediatric parapharyngeal infection resulting in cervical instability and occipital-cervical fusion-case report and review of the literature** *CHILDS NERVOUS SYSTEM*
  Chen, Y., Sole, J., Jabarkheel, R., Edwards, M., Cheshier, S.
  2019; 35 (5): 893–95

- **Arterial spin-labeling cerebral perfusion changes after revascularization surgery in pediatric moyamoya disease and syndrome** *JOURNAL OF NEUROSURGERY-PEDIATRICS*
  Quon, J. L., Kim, L. H., Lober, R. M., Maleki, M., Steinberg, G. K., Yeom, K. W.
  2019; 23 (4): 486–92

- **Pediatric parapharyngeal infection resulting in cervical instability and occipital-cervical fusion-case report and review of the literature.** *Child's nervous system : ChNS : official journal of the International Society for Pediatric Neurosurgery*
  Chen, Y., Sole, J., Jabarkheel, R., Edwards, M., Cheshier, S.
  2019

- **Long-Term Supratentorial Radiologic Effects of Surgery and Local Radiation in Children with Infratentorial Ependymoma** *WORLD NEUROSURGERY*
  Yecies, D., Azad, T. D., Esparza, R., Quon, J. L., Forkert, N. D., MacEachern, S. J., Bruckert, L., Maleki, M., Edwards, M. S. B., Grant, G. A., Yeom, K. W.
  2019; 122: E1300–E1304

- **Arterial spin labeling perfusion changes of the frontal lobes in children with posterior fossa syndrome.** *Journal of neurosurgery. Pediatrics*
  Yecies, D. n., Shpanskaya, K. n., Jabarkheel, R. n., Maleki, M. n., Bruckert, L. n., Cheshier, S. H., Hong, D. n., Edwards, M. S., Grant, G. A., Yeom, K. W.
  2019: 1–7

- **Ferumoxytol-enhanced MRI for surveillance of pediatric cerebral arteriovenous malformations.** *Journal of neurosurgery. Pediatrics*
  Huang, Y. n., Singer, T. G., Iv, M. n., Lanzman, B. n., Nair, S. n., Stadler, J. A., Wang, J. n., Edwards, M. S., Grant, G. A., Cheshier, S. H., Yeom, K. W.
  2019: 1–8

- **Virtual Surgical Planning Decreases Operative Time for Isolated Single Suture and Multi-suture Craniosynostosis Repair** *PLASTIC AND RECONSTRUCTIVE SURGERY-GLOBAL OPEN*
  Andrew, T. W., Baylan, J., Mittermiller, P. A., Cheng, H., Johns, D. N., Edwards, M. S. B., Cheshier, S. H., Grant, G. A., Lorenz, H.
  2018; 6 (12): e2038

- **Long-term Supratentorial Radiological Effects of Surgery and Local Radiation in Children with Infratentorial Ependymoma.** *World neurosurgery*
  Yecies, D., Azad, T. D., Esparza, R., Quon, J., Forkert, N., MacEachern, S. J., Bruckert, L., Maleki, M., Edwards, M., Grant, G., Yeom, K.
  2018

- **Notch1 regulates the initiation of metastasis and self-renewal of Group 3 medulloblastoma (vol 9, 4121, 2018)** *NATURE COMMUNICATIONS*
  Kahn, S. A., Wang, X., Nitta, R. T., Gholamin, S., Theruvath, J., Hutter, G., Azad, T. D., Wadi, L., Bolin, S., Ramaswamy, V., Esparza, R., Liu, K., Edwards, et al
  2018; 9

- **Publisher Correction: Notch1 regulates the initiation of metastasis and self-renewal of Group 3 medulloblastoma.** *Nature communications*
  Kahn, S. A., Wang, X., Nitta, R. T., Gholamin, S., Theruvath, J., Hutter, G., Azad, T. D., Wadi, L., Bolin, S., Ramaswamy, V., Esparza, R., Liu, K., Edwards, et al
  2018; 9 (1): 4651

- **Notch1 regulates the initiation of metastasis and self-renewal of Group 3 medulloblastoma** *NATURE COMMUNICATIONS*

Kahn, S. A., Wang, X., Nitta, R. T., Gholamin, S., Theruvath, J., Hutter, G., Azad, T. D., Wadi, L., Bolin, S., Ramaswamy, V., Esparza, R., Liu, K., Edwards, et al
2018; 9

- **Rapid-sequence brain magnetic resonance imaging for Chiari I abnormality** *JOURNAL OF NEUROSURGERY-PEDIATRICS*
  Pan, J., Quon, J. L., Johnson, E., Lanzman, B., Chukus, A., Ho, A. L., Edwards, M. S. B., Grant, G. A., Yeom, K. W.
  2018; 22 (2): 158–64
- **Safety of Dynamic Magnetic Resonance Imaging of the Cervical Spine in Children Performerd without Neurosurgical Supervision** *WORLD NEUROSURGERY*
  Yecies, D., Fogel, N., Edwards, M., Grant, G., Yeom, K. W., Cheshier, S.
  2018; 116: E1188–E1193
- **Safety of Dynamic MRI of the Cervical Spine in Children Performed Without Neurosurgical Supervision.** *World neurosurgery*
  Yecies, D., Fogel, N., Edwards, M., Grant, G., Yeom, K. W., Cheshier, S.
  2018
- **ASL PERFUSION IMAGING OF THE FRONTAL LOBES PREDICTS THE OCCURRENCE AND RESOLUTION OF POSTERIOR FOSSA SYNDROME**
  Yecies, D., Shpanskaya, K., Grant, G., Cheshier, S., Hong, D., Edwards, M., Yeom, K.
  OXFORD UNIV PRESS INC.2018: 170
- **Long-term outcomes of primarily metastatic juvenile pilocytic astrocytoma in children** *JOURNAL OF NEUROSURGERY-PEDIATRICS*
  Yecies, D., Fisher, P., Cheshier, S., Edwards, M., Grant, G.
  2018; 21 (1): 49–53
- **Surgical outcomes of pediatric spinal cord astrocytomas: systematic review and meta-analysis.** *Journal of neurosurgery. Pediatrics*
  Azad, T. D., Pendharkar, A. V., Pan, J. n., Huang, Y. n., Li, A. n., Esparza, R. n., Mehta, S. n., Connolly, I. D., Veeravagu, A. n., Campen, C. J., Cheshier, S. H., Edwards, M. S., Fisher, et al
  2018: 1–7
- **Long-term outcomes of primarily metastatic juvenile pilocytic astrocytoma in children.** *Journal of neurosurgery. Pediatrics*
  Yecies, D., Fisher, P. G., Cheshier, S., Edwards, M., Grant, G.
  2018; 21 (1): 49-53
- **Notch1 regulates the initiation of metastasis and self-renewal of Group 3 medulloblastoma.** *Nature communications*
  Kahn, S. A., Wang, X. n., Nitta, R. T., Gholamin, S. n., Theruvath, J. n., Hutter, G. n., Azad, T. D., Wadi, L. n., Bolin, S. n., Ramaswamy, V. n., Esparza, R. n., Liu, K. W., Edwards, et al
  2018; 9 (1): 4121
- **Topical vancomycin surgical prophylaxis in pediatric open craniotomies: an institutional experience.** *Journal of neurosurgery. Pediatrics*
  Ho, A. L., Cannon, J. G., Mohole, J. n., Pendharkar, A. V., Sussman, E. S., Li, G. n., Edwards, M. S., Cheshier, S. H., Grant, G. A.
  2018: 1–6
- **Outcomes After Endoscopic Endonasal Resection of Craniopharyngiomas in the Pediatric Population.** *World neurosurgery*
  Patel, V. S., Thamboo, A., Quon, J., Nayak, J. V., Hwang, P. H., Edwards, M., Patel, Z. M.
  2017; 108: 6-14
- **Disrupting the CD47-SIRP alpha anti-phagocytic axis by a humanized anti-CD47 antibody is an efficacious treatment for malignant pediatric brain tumors** *SCIENCE TRANSLATIONAL MEDICINE*
  Gholamin, S., Mitra, S. S., Feroze, A. H., Liu, J., Kahn, S. A., Zhang, M., Esparza, R., Richard, C., Ramaswamy, V., Remke, M., Volkmer, A. K., Willingham, S., Ponnuswami, et al
  2017; 9 (381)
- **Spontaneous Intrauterine Depressed Skull Fractures: Report of Two Cases Requiring Neurosurgical Intervention and Literature Review.** *World neurosurgery*
  Veeravagu, A. n., Azad, T. D., Jiang, B. n., Edwards, M. S.
  2017
- **Neural Placode Tissue Derived From Myelomeningocele Repair Serves as a Viable Source of Oligodendrocyte Progenitor Cells.** *Neurosurgery*

Mitra, S. S., Feroze, A. H., Gholamin, S., Richard, C., Esparza, R., Zhang, M., Azad, T. D., Alrfaei, B., Kahn, S. A., Hutter, G., Guzman, R., Creasey, G. H., Plant, et al
2015; 77 (5): 794-802

- **Carbon dioxide laser and corpus callosotomy Response** *JOURNAL OF NEUROSURGERY-PEDIATRICS*
Choudhri, O., Guzman, R., Edwards, M. S. B.
2015; 16 (5): 611

- **Evolution of cranioplasty techniques in neurosurgery: historical review, pediatric considerations, and current trends.** *Journal of neurosurgery*
Feroze, A. H., Walmsley, G. G., Choudhri, O., Lorenz, H. P., Grant, G. A., Edwards, M. S.
2015; 123 (4): 1098-1107

- **DISTINCT BRAIN LINEAGE AND STROMAL GENE EXPRESSION PATTERNS IN WNT, SHH, GROUP 3 AND GROUP 4 MOLECULAR SUBGROUPS OF PEDIATRIC MEDULLOBLASTOMA**
Achrol, A., Liu, T., Vogel, H., Chang, S., Edwards, M., Harsh, G., Sahoo, D.
OXFORD UNIV PRESS INC.2015: 30

- **Time-dependent structural changes of the dentatothalamic pathway in children treated for posterior fossa tumor.** *AJNR. American journal of neuroradiology*
Perreault, S., Lober, R. M., Cheshier, S., Partap, S., Edwards, M. S., Yeom, K. W.
2014; 35 (4): 803-807

- **Diffusion-weighted MRI derived apparent diffusion coefficient identifies prognostically distinct subgroups of pediatric diffuse intrinsic pontine glioma.** *Journal of neuro-oncology*
Lober, R. M., Cho, Y., Tang, Y., Barnes, P. D., Edwards, M. S., Vogel, H., Fisher, P. G., Monje, M., Yeom, K. W.
2014; 117 (1): 175-182

- **Tectal pineal cyst in a 1-year-old girl.** *Human pathology*
Plowey, E. D., Vogel, H., Yeom, K. W., Jung, H., Chao, K., Edwards, M. S.
2014; 45 (3): 653-656

- **Arterial spin-labeled perfusion of pediatric brain tumors.** *AJNR. American journal of neuroradiology*
Yeom, K. W., MITCHELL, L. A., Lober, R. M., Barnes, P. D., Vogel, H., Fisher, P. G., Edwards, M. S.
2014; 35 (2): 395-401

- **Increased focal hemosiderin deposition in pediatric medulloblastoma patients receiving radiotherapy at a later age.** *Journal of neurosurgery. Pediatrics*
Yeom, K. W., Lober, R. M., Partap, S., Telischak, N., Tsolinas, R., Barnes, P. D., Edwards, M. S.
2013; 12 (5): 444-451

- **AN ENGINEERED PEPTIDE FOR NON-INVASIVE OPTICAL IMAGING OF BRAIN TUMORS**
Moore, S., Hayden-Gephart, M., Bergen, J., Su, Y., Rayburn, H., Edwards, M., Scott, M., Cochran, J.
OXFORD UNIV PRESS INC.2013: 40–41

- **Increased focal hemosiderin deposition in pediatric medulloblastoma patients receiving radiotherapy at a later age Clinical article** *JOURNAL OF NEUROSURGERY-PEDIATRICS*
Yeom, K. W., Lober, R. M., Partap, S., Telischak, N., Tsolinas, R., Barnes, P. D., Edwards, M. S.
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- **Prognostic role for diffusion-weighted imaging of pediatric optic pathway glioma.** *Journal of neuro-oncology*
Yeom, K. W., Lober, R. M., Andre, J. B., Fisher, P. G., Barnes, P. D., Edwards, M. S., Partap, S.
2013; 113 (3): 479-483

- **Diffusion-weighted MRI: distinction of skull base chordoma from chondrosarcoma.** *AJNR. American journal of neuroradiology*
Yeom, K. W., Lober, R. M., Mobley, B. C., Harsh, G., Vogel, H., Allagio, R., Pearson, M., Edwards, M. S., Fischbein, N. J.
2013; 34 (5): 1056-?

- **Using bioabsorbable fixation systems in the treatment of pediatric skull deformities leads to good outcomes and low morbidity** *CHILDS NERVOUS SYSTEM*
Gephart, M. G., Woodard, J. I., Arrigo, R. T., Lorenz, H. P., Schendel, S. A., Edwards, M. S., Guzman, R.

2013; 29 (2): 297-301

- **Trends in the diagnosis and treatment of pediatric primary spinal cord tumors.** *Journal of neurosurgery. Pediatrics*
  Hayden Gephart, M. G., Lober, R. M., Arrigo, R. T., Zygourakis, C. C., Guzman, R., Boakye, M., Edwards, M. S., Fisher, P. G.
  2012; 10 (6): 555-559
- **Trends in the diagnosis and treatment of pediatric primary spinal cord tumors Clinical article** *JOURNAL OF NEUROSURGERY-PEDIATRICS*
  Gephart, M. G., Lober, R. M., Arrigo, R. T., Zygourakis, C. C., Guzman, R., Boakye, M., Edwards, M. S., Fisher, P. G.
  2012; 10 (6): 555-559
- **Application of diffusion tensor tractography in pediatric optic pathway glioma.** *Journal of neurosurgery. Pediatrics*
  Lober, R. M., Guzman, R., Cheshier, S. H., Fredrick, D. R., Edwards, M. S., Yeom, K. W.
  2012; 10 (4): 273-280
- **Application of diffusion tensor tractography in pediatric optic pathway glioma Clinical article** *JOURNAL OF NEUROSURGERY-PEDIATRICS*
  Lober, R. M., Guzman, R., Cheshier, S. H., Fredrick, D. R., Edwards, M. S., Yeom, K. W.
  2012; 10 (4): 273-280
- **INJURY TO DENTATE NUCLEI AND EFFERENT FIBERS BY PEDIATRIC POSTERIOR FOSSA TUMORS**
  Lober, R., Perrault, S., Partap, S., Edwards, M., Fisher, P., Yeom, K.
  OXFORD UNIV PRESS INC.2012: 132–33
- **Aggressive Cerebellar Neuroepithelial Tumor in a 10 Year Old Boy**
  Vogel, H., Edwards, M., Fisher, P., Partap, S., Cho, Y.
  LIPPINCOTT WILLIAMS & WILKINS.2012: 572
- **CLUES TO PONTINE GLIOMAGENESIS FROM CHILDHOOD PONTINE GLIOGENESIS**
  Lober, R., Freret, M., Fisher, P., Edwards, M., Yeom, K., Monje, M.
  OXFORD UNIV PRESS INC.2012: 27
- **Extravascular Papillary Endothelial Hyperplasia Mimicking Neoplasm After Radiosurgery: Case Report** *NEUROSURGERY*
  Karamchandani, J., Vogel, H., Fischbein, N., Gibbs, I., Edwards, M. S., Harsh, G.
  2012; 70 (4): E1043-E1048
- **Ventricular Access Devices Are Safe and Effective in the Treatment of Posthemorrhagic Ventricular Dilatation prior to Shunt Placement** *PEDIATRIC NEUROSURGERY*
  Tian, A. G., Hintz, S. R., Cohen, R. S., Edwards, M. S.
  2012; 48 (1): 13-20
- **Complete Ocular Paresis in a Child with Posterior Fossa Syndrome** *PEDIATRIC NEUROSURGERY*
  Afshar, M., Link, M., Edwards, M. S., Fisher, P. G., Fredrick, D., Monje, M.
  2012; 48 (1): 51-54
- **CANCER PATHWAY DISCOVERY IN A MOUSE MODEL OF MEDULLOBLASTOMA** *16th Annual Scientific Meeting of the Society-for-Neuro-Oncology (SNO)/AANS/CNS Section on Tumors*
  Gephart, M. H., Lee, E., Kyriazopoulou-Panagiotopoulou, S., Milenkovic, L., Xun, X., Hou, Y., Kui, W., Edwards, M., Batzoglou, S., Jun, W., Scott, M.
  OXFORD UNIV PRESS INC.2011: 78–78
- **PROGNOSTIC ROLE OF DIFFUSION-WEIGHTED MRI IN PEDIATRIC OPTIC PATHWAY GLIOMA**
  Yeom, K., Rosenberg, J., Andre, J. B., Fisher, P. G., Edwards, M. S., Barnes, P. D., Partap, S.
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