




Patrick Barnes

Professor of Radiology (Pediatric Radiology) at the Stanford University Medical Center, Emeritus

 NIH Biosketch available Online

 Curriculum Vitae available Online

 Resume available Online

CONTACT INFORMATION

• Alternate Contact

Patrick D. Barnes, MD - Chief, Pediatric Neuroradiology

Email pbarnes@stanford.edu

Tel 650-497-8601

Bio

BIO

Dr. Barnes is a pediatric radiologist and pediatric neuroradiologist practicing for 41 years. He has served as the Chief of the Section of Pediatric Neuroradiology and the inaugural Director of the Pediatric MRI and CT Center at the Lucile Packard Children's Hospital at Stanford (2000-2018), as well as, Professor of Radiology of the Stanford School of Medicine. He is also a founding member of the Child Abuse Task Force and SCAN (suspected child abuse and neglect) Team for LPCH-Stanford. Previously, Dr. Barnes was Chief of the Division of Neuroradiology and inaugural Director of the MRI Center at the Children's Hospital, Boston, Massachusetts (1986-1999), and Associate Professor of Radiology, Harvard Medical School. Prior to that he was a pediatric radiologist and Chief of Pediatric Neuroradiology, as well as, inaugural Co-Director of the MRI Center at the Oklahoma Children's Memorial Hospital and Oklahoma Memorial Hospital (1977-1986), and Associate Professor of the University of Oklahoma College of Medicine (see CV, Biosketch, Resume attached, Patrick D. Barnes,MD <en.m.wikipedia.org>).

The main focus of his clinical, teaching, and research career has been the development and implementation of magnetic resonance imaging (MRI) as the most advanced and non-invasive technology for imaging of injury to the developing central nervous system and related body systems of the fetus, newborn, infant, and child, including for the assessment of child abuse and the mimics of child abuse. He co-authored the first comprehensive textbook on the utilization of US, CT, and MRI in pediatric neuroradiology (Wolpert S, Barnes P: MRI in Pediatric Neuroradiology, Mosby-Year Book, 1992). Dr. Barnes was the first dedicated children's hospital-based pediatric neuroradiologist in Northern California (LPCH-Stanford 2000). He is Co-Founder and Past President of the American Society of Pediatric Neuroradiology (1998; see CV, Patrick D. Barnes,MD <en.m.wikipedia.org>), and past Chair of the Child Abuse Task Force of the Society for Pediatric Radiology (2007; see Resume, Patrick D. Barnes,MD <en.m.wikipedia.org>). More recently, he has served as pediatric neuroradiology consultant and lead central reviewer for the Neonatal Research Network (NRN) of the NIH / NICHD for their multicenter projects assessing the utility of imaging technology for preterm and term fetal and neonatal brain injury, including interventions and outcomes (2006-2018; see Biosketch, Patrick D. Barnes,MD <en.m.wikipedia.org>).

"It has been my inspiration and honor not only to contribute to the training and education of students, residents, and fellows from all backgrounds, and proudly including those serving in our Armed Forces, but also to teach, mentor, and promote diversity, of future leaders in pediatric radiology and

neuroradiology (see CV, Patrick D. Barnes, MD <en.m.wikipedia.org>). It has also been my honor to work every day with a talented and diverse team of radiologic technology, information technology, physician, nursing, child life, scheduling coordinator, administrative, management, and scientific research professionals, all dedicated to the quality and compassionate care of children and families who come to us from all social and cultural communities across our nation and the world."

ACADEMIC APPOINTMENTS

- Emeritus Faculty - University Medical Line, Radiology
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Chief Pediatric Neuroradiology, Co-Founding Director MRI Center., Oklahoma Children's Memorial Hospital, Oklahoma Health Sciences Center, Oklahoma City OK., (1977-1986)
- Chief Division of Neuroradiology, Inaugural Director MRI Center., Children's Hospital, Harvard Medical Center, Boston MA, (1986-1999)
- Chief Section of Pediatric Neuroradiology, Inaugural Director Pediatric MRI and CT Center, Lucile Packard Children's Hospital at Stanford, (2000-2018)

HONORS AND AWARDS

- John A. Kirkpatrick Jr. Faculty Teaching Award, Department of Radiology, Children's Hospital and Harvard Medical School, Boston, MA. (1998)
- Award of Appreciation for Service & Leadership as Co-Founder, Past President, ASPNR, American Society of Pediatric Neuroradiology, ASNR 39th Annual Meeting, Boston, MA. (2001)
- SB Rossiter Senior Faculty of the Year. Outstanding Resident Education, Patient Care, and Research., Department of Radiology, Stanford University Medical Center. (2002-2003)
- Senior Faculty of the Year. Outstanding Resident Education, Patient Care, and Research., Department of Radiology, Stanford University Medical Center. (2004-2005)
- Senior Faculty of the Year. Outstanding Resident Education, Patient Care, and Research., Department of Radiology, Stanford University Medical Center. (2005-2006)
- 11th Annual Herman Grossman Lecturer - Appreciation of Contributions to Pediatric Radiology., Department of Radiology, Duke University Medical Center (2008.)
- An America's Top Doctor (Top 1% of neuroradiologists in the nation for 5 years), US News & World Report, Castle Connolly Medical Ltd. <health.usnews.com/top-doctors>. (2012-2018)

PROFESSIONAL EDUCATION

- Maintenance of Certification, American Board of Radiology , Neuroradiology 2008-2018 (2008)
- Fellowship, Children's Hospital, Harvard Medical School, Boston MA , Pediatric Neuroradiology & Cardiovascular Radiology (1977)
- Residency, University of Oklahoma Health Sciences Center , Diagnostic Radiology (1976)
- MD, University of Oklahoma , Medicine with Honors, AOA (1973)

LINKS

- Wikipedia Citation: <https://en.m.wikipedia.org>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Advanced imaging, including magnetic resonance imaging, of injury to the developing central nervous system; including fetal, neonatal, infant and young child; and, including nonaccidental injury (e.g. child abuse).

See Biosketch, CV for details.

Publications

PUBLICATIONS

- **Limitations of Conventional Magnetic Resonance Imaging as a Predictor of Death or Disability Following Neonatal Hypoxic-Ischemic Encephalopathy in the Late Hypothermia Trial.** *The Journal of pediatrics*
Laptook, A. R., Shankaran, S., Barnes, P., Rollins, N., Do, B. T., Parikh, N. A., Hamrick, S., Hintz, S. R., Tyson, J. E., Bell, E. F., Ambalavanan, N., Goldberg, R. N., Pappas, et al
2020
- **FEIGNED CONSENSUS: USURPING THE LAW IN SHAKEN BABY SYNDROME/ABUSIVE HEAD TRAUMA PROSECUTIONS** *WISCONSIN LAW REVIEW*
Findley, K. A., Risinger, D., Barnes, P. D., Mack, J. A., Moran, D. A., Scheck, B. C., Bohan, T. L.
2019: 1211–67
- **Behavioral Deficits at 18-22 Months of Age Are Associated with Early Cerebellar Injury and Cognitive and Language Performance in Children Born Extremely Preterm.** *The Journal of pediatrics*
Duncan, A. F., Bann, C. M., Dempsey, A., Peralta-Carcelen, M., Hintz, S., Eunice Kennedy Shriver National Institute of Child Health and Development Neonatal Research Network, Jobe, A. H., Caplan, M. S., Laptook, A. R., Vohr, B. R., Oh, W., Hensman, A. M., Alksninis, B., et al
2018
- **Utility of prenatal MRI in the evaluation and management of fetal ventriculomegaly.** *Journal of perinatology : official journal of the California Perinatal Association*
Katz, J. A., Chock, V. Y., Davis, A. S., Blumenfeld, Y. J., Hahn, J. S., Barnes, P., Barth, R. A., Rubesova, E., Hintz, S. R.
2018
- **Preterm Neuroimaging and School-Age Cognitive Outcomes.** *Pediatrics*
Hintz, S. R., Vohr, B. R., Bann, C. M., Taylor, H. G., Das, A., Gustafson, K. E., Yolton, K., Watson, V. E., Lowe, J., DeAnda, M. E., Ball, M. B., Finer, N. N., Van Meurs, et al
2018
- **Brain Perfusion and Diffusion Abnormalities in Children Treated for Posterior Fossa Brain Tumors.** *journal of pediatrics*
Li, M. D., Forkert, N. D., Kundu, P., Ambler, C., Lober, R. M., Burns, T. C., Barnes, P. D., Gibbs, I. C., Grant, G. A., Fisher, P. G., Cheshier, S. H., Campen, C. J., Monje, et al
2017
- **Incidental brain MRI findings in an autism twin study.** *Autism research*
Monterrey, J. C., Phillips, J., Cleveland, S., Tanaka, S., Barnes, P., Hallmayer, J. F., Reiss, A. L., Lazzeroni, L. C., Hardan, A. Y.
2017; 10 (1): 113-120
- **Acute Perinatal Sentinel Events, Neonatal Brain Injury Pattern, and Outcome of Infants Undergoing a Trial of Hypothermia for Neonatal Hypoxic-Ischemic Encephalopathy** *JOURNAL OF PEDIATRICS*
Shankaran, S., Laptook, A. R., McDonald, S. A., Hintz, S. R., Barnes, P. D., Das, A., Higgins, R. D.
2017; 180: 275-?
- **Acute Perinatal Sentinel Events, Neonatal Brain Injury Pattern, and Outcome of Infants Undergoing a Trial of Hypothermia for Neonatal Hypoxic-Ischemic Encephalopathy.** *journal of pediatrics*
Shankaran, S., Laptook, A. R., McDonald, S. A., Hintz, S. R., Barnes, P. D., Das, A., Higgins, R. D.
2016
- **Neonatal Magnetic Resonance Imaging Pattern of Brain Injury as a Biomarker of Childhood Outcomes following a Trial of Hypothermia for Neonatal Hypoxic-Ischemic Encephalopathy** *JOURNAL OF PEDIATRICS*
Shankaran, S., McDonald, S. A., Laptook, A. R., Hintz, S. R., Barnes, P. D., Das, A., Pappas, A., Higgins, R. D.
2015; 167 (5): 987-?
- **Neonatal Magnetic Resonance Imaging Pattern of Brain Injury as a Biomarker of Childhood Outcomes following a Trial of Hypothermia for Neonatal Hypoxic-Ischemic Encephalopathy.** *The Journal of pediatrics*
Shankaran, S., McDonald, S. A., Laptook, A. R., Hintz, S. R., Barnes, P. D., Das, A., Pappas, A., Higgins, R. D.
2015; 167 (5): 987-93.e3
- **Intensity-Corrected Dual-Echo Echo-Planar Imaging (DE-EPI) for Improved Pediatric Brain Diffusion Imaging** *PLOS ONE*

- Yeom, K. W., Straka, M., Iv, M., Moseley, M. E., Barnes, P. D., Skare, S., Holdsworth, S. J.
2015; 10 (6)
- **The Significance of Macrocephaly or Enlarging Head Circumference in Infants With the Triad Further Evidence of Mimics of Shaken Baby Syndrome** *AMERICAN JOURNAL OF FORENSIC MEDICINE AND PATHOLOGY*
Miller, D., Barnes, P., Miller, M.
2015; 36 (2): 111-120
 - **Decreased tumor apparent diffusion coefficient correlates with objective response of pediatric low-grade glioma to bevacizumab** *JOURNAL OF NEURO-ONCOLOGY*
Hsu, C. H., Lober, R. M., Li, M. D., Partap, S., Murphy, P. A., Barnes, P. D., Fisher, P. G., Yeom, K. W.
2015; 122 (3): 491-496
 - **Effect of number of acquisitions in diffusion tensor imaging of the pediatric brain: optimizing scan time and diagnostic experience.** *Journal of neuroimaging*
Soman, S., Holdsworth, S. J., Skare, S., Andre, J. B., Van, A. T., Aksoy, M., Bammer, R., Rosenberg, J., Barnes, P. D., Yeom, K. W.
2015; 25 (2): 296-302
 - **Neuroimaging and neurodevelopmental outcome in extremely preterm infants.** *Pediatrics*
Hintz, S. R., Barnes, P. D., Bulas, D., Slovis, T. L., Finer, N. N., Wrage, L. A., Das, A., Tyson, J. E., Stevenson, D. K., Carlo, W. A., Walsh, M. C., Laptook, A. R., Yoder, et al
2015; 135 (1): e32-42
 - **Neuroimaging and neurodevelopmental outcome in extremely preterm infants.** *Pediatrics*
Hintz, S. R., Barnes, P. D., Bulas, D., Slovis, T. L., Finer, N. N., Wrage, L. A., Das, A., Tyson, J. E., Stevenson, D. K., Carlo, W. A., Walsh, M. C., Laptook, A. R., Yoder, et al
2015; 135 (1): e32-42
 - **Intensity-Corrected Dual-Echo Echo-Planar Imaging (DE-EPI) for Improved Pediatric Brain Diffusion Imaging.** *PloS one*
Yeom, K. W., Straka, M., Iv, M., Moseley, M. E., Barnes, P. D., Skare, S., Holdsworth, S. J.
2015; 10 (6)
 - **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
 - **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
 - **Improved T2* Imaging without Increase in Scan Time: SWI Processing of 2D Gradient Echo.** *AJNR. American journal of neuroradiology*
Soman, S., Holdsworth, S. J., Barnes, P. D., Rosenberg, J., Andre, J. B., Bammer, R., Yeom, K. W.
2013; 34 (11): 2092-2097
 - **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.
2013; 12 (5): 444-451
 - **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
 - **Reduced Cerebral Arterial Spin-Labeled Perfusion in Children with Neurofibromatosis Type 1** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Yeom, K. W., Lober, R. M., Barnes, P. D., Campen, C. J.
2013; 34 (9): 1823-1828
 - **High-Risk Medulloblastoma: A Pediatric Oncology Group Randomized Trial of Chemotherapy Before or After Radiation Therapy (POG 9031)** *JOURNAL OF CLINICAL ONCOLOGY*

- Tarbell, N. J., Friedman, H., Polkinghorn, W. R., Yock, T., Zhou, T., Chen, Z., Burger, P., Barnes, P., Kun, L.
2013; 31 (23): 2936-?
- **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
 - **Distinctive MRI Features of Pediatric Medulloblastoma Subtypes** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Yeom, K. W., Mobley, B. C., Lober, R. M., Andre, J. B., Partap, S., Vogel, H., Barnes, P. D.
2013; 200 (4): 895-903
 - **Brain injury following trial of hypothermia for neonatal hypoxic-ischaemic encephalopathy** *ARCHIVES OF DISEASE IN CHILDHOOD-FETAL AND NEONATAL EDITION*
Shankaran, S., Barnes, P. D., Hintz, S. R., Lupton, A. R., Zaterka-Baxter, K. M., McDonald, S. A., Ehrenkranz, R. A., Walsh, M. C., Tyson, J. E., Donovan, E. F., Goldberg, R. N., Bara, R., Das, et al
2012; 97 (6): F398-F404
 - **Diffusion tensor imaging (DTI) with retrospective motion correction for large-scale pediatric imaging** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
Holdsworth, S. J., Aksoy, M., Newbould, R. D., Yeom, K., Van, A. T., Ooi, M. B., Barnes, P. D., Bammer, R., Skare, S.
2012; 36 (4): 961-971
 - **Newborn with prenatally diagnosed choroidal fissure cyst and panhypopituitarism and review of the literature.** *AJP reports*
Chitkara, R., Rajani, A., Bernstein, J., Shah, S., Hahn, J. S., Barnes, P., Hintz, S. R.
2011; 1 (2): 111-114
 - **Clinical Application of Readout-Segmented-Echo-Planar Imaging for Diffusion-Weighted Imaging in Pediatric Brain** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Holdsworth, S. J., Yeom, K., Skare, S., Gentles, A. J., Barnes, P. D., Bammer, R.
2011; 32 (7): 1274-1279
 - **Liposomal cytarabine for central nervous system embryonal tumors in children and young adults** *JOURNAL OF NEURO-ONCOLOGY*
Partap, S., Murphy, P. A., Vogel, H., Barnes, P. D., Edwards, M. S., Fisher, P. G.
2011; 103 (3): 561-566
 - **Imaging of Nonaccidental Injury and the Mimics: Issues and Controversies in the Era of Evidence-Based Medicine** *RADIOLOGIC CLINICS OF NORTH AMERICA*
Barnes, P. D.
2011; 49 (1): 205-?
 - **Septopreoptic Holoprosencephaly: A Mild Subtype Associated with Midline Craniofacial Anomalies** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Hahn, J. S., Barnes, P. D., Clegg, N. J., Stashinko, E. E.
2010; 31 (9): 1596-1601
 - **Infant Acute Life-Threatening Event-Dysphagic Choking Versus Nonaccidental Injury** *SEMINARS IN PEDIATRIC NEUROLOGY*
Barnes, P. D., Galaznik, J., Gardner, H., Shuman, M.
2010; 17 (1): 7-11
 - **Neuroimaging Advances in Holoprosencephaly: Refining the Spectrum of the Midline Malformation** *AMERICAN JOURNAL OF MEDICAL GENETICS PART C-SEMINARS IN MEDICAL GENETICS*
Hahn, J. S., Barnes, P. D.
2010; 154C (1): 120-132
 - **Are Paterson's critics too biased to recognize rickets?** *ACTA PAEDIATRICA*
Ayoub, D., Plunkett, J., Keller, K. A., Barnes, P. D.
2010; 99 (9): 1282-1283
 - **Resolution of syringomyelia after release of tethered cord** *SURGICAL NEUROLOGY*
Hsu, A. R., Hou, L. C., Veeravagu, A., Barnes, P. D., Huhn, S. L.
2009; 72 (6): 657-661

- **Performance of PROPELLER relative to standard FSE T2-weighted imaging in pediatric brain MRI** *PEDIATRIC RADIOLOGY*
Vertinsky, A. T., Rubesova, E., Krasnokutsky, M. V., Bammer, S., Rosenberg, J., White, A., Barnes, P. D., Bammer, R.
2009; 39 (10): 1038-1047
- **Reply regarding rickets vs. abuse: the evidence** *PEDIATRIC RADIOLOGY*
Keller, K. A., Barnes, P. D.
2009; 39 (10): 1130-32
- **Neonatal brain structure on MRI and diffusion tensor imaging, sex, and neurodevelopment in very-low-birthweight preterm children** *DEVELOPMENTAL MEDICINE AND CHILD NEUROLOGY*
Rose, J., Butler, E. E., Lamont, L. E., Barnes, P. D., Atlas, S. W., Stevenson, D. K.
2009; 51 (7): 526-535
- **Salivary Gland Anlage Tumor in a Neonate Presenting with Respiratory Distress: Radiographic and Pathologic Correlation** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Mogensen, M. A., Lin, A. C., Chang, K. W., Berry, G. J., Barnes, P. D., Fischbein, N. J.
2009; 30 (5): 1022-1023
- **Traumatic Spinal Cord Injury: Accidental Versus Nonaccidental Injury** *SEMINARS IN PEDIATRIC NEUROLOGY*
Barnes, P. D., Krasnokutsky, M. V., Monson, K. L., Ophoven, J.
2008; 15 (4): 178-184
- **Rickets vs. abuse: a national and international epidemic** *PEDIATRIC RADIOLOGY*
Keller, K. A., Barnes, P. D.
2008; 38 (11): 1210-1216
- **Correlation of Clinical and Biochemical Findings with Diabetic Ketoacidosis-Related Cerebral Edema in Children Using Magnetic Resonance Diffusion-Weighted Imaging** *JOURNAL OF PEDIATRICS*
Glaser, N. S., Marcin, J. P., Wootton-Gorges, S. L., Buonocore, M. H., Rewers, A., Strain, J., DiCarlo, J., Neely, E. K., Barnes, P., Kuppermann, N.
2008; 153 (4): 541-546
- **Can magnetic resonance spectroscopy predict neurodevelopmental outcome in very low birth weight preterm infants?** *Annual Meeting of the Pediatric-Academic-Societies/Society-of-Pediatric-Research*
Augustine, E. M., Spielman, D. M., Barnes, P. D., Sutcliffe, T. L., Dermon, J. D., Mirmiran, M., Clayton, D. B., Ariagno, R. L.
NATURE PUBLISHING GROUP.2008: 611-18
- **Doxycycline sclerotherapy as primary treatment of head and neck lymphatic malformations in children** *JOURNAL OF PEDIATRIC SURGERY*
Nehra, D., Jacobson, L., Barnes, P., Mallory, B., Albanese, C. T., Sylvester, K. G.
2008; 43 (3): 451-460
- **Utility of temporal bone computed tomographic measurements in the evaluation of inner ear malformations** *ARCHIVES OF OTOLARYNGOLOGY-HEAD & NECK SURGERY*
Chen, J. L., Gittleman, A., Barnes, P. D., Chang, K. W.
2008; 134 (1): 50-56
- **Congenital glioblastoma multiforme: Case report and review of the literature** *PEDIATRIC NEUROSURGERY*
Hou, L. C., Bababegy, S. R., Sarkissian, V., Fisher, P. G., Vogel, H., Barnes, P., Huhn, S. L.
2008; 44 (4): 304-312
- **Neonatal microstructural development of the internal capsule on diffusion tensor imaging correlates with severity of gait and motor deficits** *DEVELOPMENTAL MEDICINE AND CHILD NEUROLOGY*
Rose, J., Mirmiran, M., Butler, E. E., Lin, C. Y., Barnes, P. D., Kerмоian, R., Stevenson, D. K.
2007; 49 (10): 745-750
- **Cerebral proton magnetic resonance spectroscopy in children with diabetic ketoacidosis** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Wootton-Gorges, S. L., Buonocore, M. H., Kuppermann, N., Marcin, J. P., Barnes, P. D., Neely, E. K., DiCarlo, J., McCarthy, T., Glaser, N. S.
2007; 28 (5): 895-899
- **Imaging of the central nervous system in suspected or alleged nonaccidental injury, including the mimics.** *Topics in magnetic resonance imaging*

- Barnes, P. D., Krasnokutsky, M.
2007; 18 (1): 53-74
- **Macrocephaly, increased intracranial pressure, and hydrocephalus in the infant and young child.** *Topics in magnetic resonance imaging*
Vertinsky, A. T., Barnes, P. D.
2007; 18 (1): 31-51
 - **A syndrome of irreversible leukoencephalopathy following pediatric allogeneic bone marrow transplantation** *PEDIATRIC BLOOD & CANCER*
Minn, A. Y., Fisher, P. G., Barnes, P. D., Dahl, G. V.
2007; 48 (2): 213-217
 - **Frequency of sub-clinical cerebral edema in children with diabetic ketoacidosis** *PEDIATRIC DIABETES*
Glaser, N. S., Wootton-Gorges, S. L., Buonocore, M. H., Marcin, J. P., Rewers, A., Strain, J., DiCarlo, J., Neely, E. K., Barnes, P., Kuppermann, N.
2006; 7 (2): 75-80
 - **Radiotherapy in pediatric medulloblastoma: Quality assessment of Pediatric Oncology Group Trial 9031** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*
Miralbell, R., Fitzgerald, T. J., Laurie, F., Kessel, S., GLICKSMAN, A., Friedman, H. S., Urie, M., Kepner, J. L., Zhou, T. N., Chen, Z. J., Barnes, P., Kun, L., Tarbell, et al
2006; 64 (5): 1325-1330
 - **Metabolite ratios measured by proton magnetic resonance spectroscopy correlate with postmenstrual age in very low birth weight preterm infants with normal neuromotor and Bayley results.** *Western Regional Meeting of the American-Federation-for-Medical-Research*
Van Brussel, E. M., Mirmiran, M., Spielman, D. M., Barnes, P. D., Sutcliffe, T. L., Dermon, J. D., Ariagno, R. L.
LIPPINCOTT WILLIAMS & WILKINS.2006: S97-S97
 - **Magnetic resonance imaging of the kinked fetal brain stem - A sign of severe dysgenesis** *JOURNAL OF ULTRASOUND IN MEDICINE*
Smith, A. S., Levine, D., Barnes, P. D., Robertson, R. L.
2005; 24 (12): 1697-1709
 - **Quantitative analysis of the corpus callosum in children with cerebral palsy and developmental delay: correlation with cerebral white matter volume** *PEDIATRIC RADIOLOGY*
Panigrahy, A., Barnes, P. D., Robertson, R. L., Sleeper, L. A., Sayre, J. W.
2005; 35 (12): 1199-1207
 - **Cortical magnetic resonance imaging findings in familial pediatric bipolar disorder** *58th Annual Convention of the Society-of-Biological-Psychiatry*
Chang, K., Barnea-Goraly, N., Karchemskiy, A., Simeonova, D. I., Barnes, P., Ketter, T., Reiss, A. L.
ELSEVIER SCIENCE INC.2005: 197-203
 - **Detection of cerebral beta-hydroxy butyrate, acetoacetate, and lactate on proton MR spectroscopy in children with diabetic ketoacidosis** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Wootton-Gorges, S. L., Buonocore, M. H., Kuppermann, N., Marcin, J., DiCarlo, J., Neely, E. K., Barnes, P. D., Glaser, N.
2005; 26 (5): 1286-1291
 - **Lateral meningocele syndrome: Vertical transmission and expansion of the phenotype** *AMERICAN JOURNAL OF MEDICAL GENETICS PART A*
Chen, K. M., Bird, L., Barnes, P., Barth, R., Hudgins, L.
2005; 133A (2): 115-121
 - **Internal capsule abnormalities on neonatal brain MRI are associated with later gait disorders in very low birth weight preterm children at 4 years.**
Rose, J., Mirmiran, M., Butler, E. E., Lin, C., Barnes, P. D., Kermoian, R., Stevenson, D. K., Ariagno, R. L.
LIPPINCOTT WILLIAMS & WILKINS.2005: S126-S126
 - **Neonatal brain magnetic resonance imaging before discharge is better than serial cranial ultrasound in predicting cerebral palsy in very low birth weight preterm infants** *PEDIATRICS*
Mirmiran, M., Barnes, P. D., Keller, K., Constantinou, J. C., Fleisher, B. E., Hintz, S. R., Ariagno, R. L.
2004; 114 (4): 992-998

- **Mechanism of cerebral edema in children with diabetic ketoacidosis** *JOURNAL OF PEDIATRICS*
Glaser, N. S., Wootton-Gorges, S. L., Marcin, J. P., Buonocore, M. H., DiCarlo, J., Neely, E. K., Barnes, P., Bottomly, J., Kuppermann, N.
2004; 145 (2): 164-171
- **A sojourn in the abyss: Hypothesis, theory, and established truth in infant head injury** *PEDIATRICS*
Miller, M., Leestma, J., Barnes, P., Carlstrom, T., Gardner, H., Plunkett, J., Stephenson, J., Thibault, K., Uscinski, R., Niedermier, J., Galaznik, J.
2004; 114 (1): 326-326
- **Spontaneous kicking patterns at 3 months corrected age in preterm infants with normal and abnormal neonatal brain MRI** *Annual Meeting of the Pediatric-Academic-Societies*
Butler, E. F., Smith, D., Gaman, S. K., Rose, J., Mirmiran, M., Barnes, P. D., Ariagno, R. L.
NATURE PUBLISHING GROUP.2004: 413A-413A
- **Fetal stroke** *PEDIATRIC NEUROLOGY*
Ozduman, K., Pober, B. R., Barnes, P., Copel, J. A., Ogle, E. A., Duncan, C. C., Ment, L. R.
2004; 30 (3): 151-162
- **Fast MR imaging of fetal central nervous system abnormalities** *RADIOLOGY*
Levine, D., Barnes, P. D., Robertson, R. R., Wong, G., Mehta, T. S.
2003; 229 (1): 51-61
- **Diffusion tensor brain imaging findings at term-equivalent age may predict neurologic abnormalities in low birth weight preterm infants** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Arzoumanian, Y., Mirmiran, M., Barnes, P. D., Woolley, K., Ariagno, R. L., Moseley, M. E., Fleisher, B. E., Atlas, S. W.
2003; 24 (8): 1646-1653
- **Cortical ependymoma - A case report and review** *PEDIATRIC NEUROSURGERY*
Lehman, N. L., Jordan, M. A., Huhn, S. L., Barnes, P. D., Nelson, G. B., Fisher, P. G., Horoupian, D. S.
2003; 39 (1): 50-54
- **Hydranencephaly owing to twin-twin transfusion: Serial fetal ultrasonography and magnetic resonance imaging findings** *JOURNAL OF CHILD NEUROLOGY*
Hahn, J. S., Lewis, A. J., Barries, P.
2003; 18 (5): 367-370
- **A phase I trial of etanidazole and hyperfractionated radiotherapy in children with diffuse brainstem glioma** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*
Marcus, K. J., Dutton, S. C., Barnes, P., Coleman, C. N., Pomeroy, S. L., Goumnerova, L., Billett, A. L., Kieran, M., Tarbell, N. J.
2003; 55 (5): 1182-1185
- **Spontaneous resolution of a prepontine arachnoid cyst - Case report and review of the literature** *PEDIATRIC NEUROSURGERY*
Dodd, R. L., Barnes, P. D., Huhn, S. L.
2002; 37 (3): 152-157
- **Practice parameter: neuroimaging of the neonate - Report of the quality standards subcommittee of the American Academy of Neurology and the Practice Committee of the Child Neurology Society** *PEDIATRIC RADIOLOGY*
Ment, L. R., Bada, H. S., Barnes, P., Grant, P. E., Hirtz, D., Papile, L. A., Pinto-Martin, J., Rivkin, M., Slovis, T. L.
2002; 32 (9): 620-620
- **Practice parameter: Neuroimaging of the neonate - Report of the Quality Standards Subcommittee of the American Academy of Neurology and the Practice Committee of the Child Neurology Society** *NEUROLOGY*
Ment, L. R., Bada, H. S., Barnes, P., Grant, P. E., Hirtz, D., Papile, L. A., Pinto-Martin, J., Rivkin, M., Slovis, T. L.
2002; 58 (12): 1726-1738
- **MR imaging appearance of fetal cerebral ventricular morphology** *RADIOLOGY*
Levine, D., Trop, I., Mehta, T. S., Barnes, P. D.
2002; 223 (3): 652-660
- **Ethical issues in imaging nonaccidental injury: child abuse.** *Topics in magnetic resonance imaging*
Barnes, P. D.

2002; 13 (2): 85-93

- **Intracranial hemorrhage in infants and children with hereditary hemorrhagic telangiectasia (Osler-Weber-Rendu syndrome) *PEDIATRICS***
Morgan, T., McDonald, J., Anderson, C., Ismail, M., Miller, F., Mao, R., Madan, A., Barnes, P., Hudgins, L., Manning, M.
2002; 109 (1)
- **Intracranial hemorrhage in children with hereditary hemorrhagic telangiectasia.**
Manning, M., Morgan, T., McDonald, J., Anderson, C., Ismail, M., Miller, F., Madan, A., Barnes, P., Hudgins, L.
CELL PRESS.2001: 221-21
- **Volumetric brain differences in children with periventricular T2-signal hyperintensities: A grouping by gestational age at birth. *AMERICAN JOURNAL OF ROENTGENOLOGY***
Panigrahy, A., Barnes, P. D., Robertson, R. L., Back, S. A., Sleeper, L. A., Sayre, J. W., Kinney, H. C., Volpe, J. J.
2001; 177 (3): 695-702
- **Line scan diffusion tensor MRI of the cervical spinal cord in preterm infants *JOURNAL OF MAGNETIC RESONANCE IMAGING***
Murphy, B. P., Zientara, G. P., Huppi, P. S., Maier, S. E., Barnes, P. D., Jolesz, F. A., Volpe, J. J.
2001; 13 (6): 949-953
- **Evaluation and management of children younger than two years old with apparently minor head trauma: Proposed guidelines *PEDIATRICS***
Schutzman, S. A., Barnes, P., Duhaime, A. C., Greenes, D., Homer, C., Jaffe, D., Lewis, R. J., Luerssen, T. G., Schunk, J.
2001; 107 (5): 983-993
- **Microstructural brain development after perinatal cerebral white matter injury assessed by diffusion tensor magnetic resonance imaging *PEDIATRICS***
Huppi, P. S., Murphy, B., Maier, S. E., Zientara, G. P., Inder, T. E., Barnes, P. D., Kikinis, R., Jolesz, F. A., Volpe, J. J.
2001; 107 (3): 455-460
- **Role of flexion-extension radiographs in blunt pediatric cervical spine injury *ACADEMIC EMERGENCY MEDICINE***
Ralston, M. E., Chung, K., Barnes, P. D., Emans, J. B., Schutzman, S. A.
2001; 8 (3): 237-245
- **Proton magnetic spectroscopic imaging of the child's brain: the response of tumors to treatment *NEURORADIOLOGY***
Tzika, A. A., Zurakowski, D., Poussaint, T. Y., Goumnerova, L., Astrakas, L. G., Barnes, P. D., Anthony, D. C., Billett, A. L., Tarbell, N. J., Scott, R. M., Black, P. M.
2001; 43 (2): 169-177
- **Neuroimaging and the timing of fetal and neonatal brain injury. *Journal of perinatology***
Barnes, P. D.
2001; 21 (1): 44-60
- **Periventricular nodular heterotopia in patients with filamin-1 gene mutations: neuroimaging findings *PEDIATRIC RADIOLOGY***
Poussaint, T. Y., Fox, J. W., Dobyns, W. B., Radtke, R., Scheffer, I. E., BERKOVIC, S. F., Barnes, P. D., Huttenlocher, P. R., Walsh, C. A.
2000; 30 (11): 748-755
- **Tuberous sclerosis in the fetus: Second-trimester diagnosis of subependymal tubers with ultrafast MR imaging *AMERICAN JOURNAL OF ROENTGENOLOGY***
Levine, D., Barnes, P., KORF, B., EDELMAN, R.
2000; 175 (4): 1067-1069
- **Prominent basal emissary foramina in syndromic craniosynostosis: Correlation with phenotypic and molecular diagnoses *AMERICAN JOURNAL OF NEURORADIOLOGY***
Robson, C. D., Mulliken, J. B., Robertson, R. L., Proctor, M. R., Steinberger, D., Barnes, P. D., McFarren, A., Muller, U., Zurakowski, D.
2000; 21 (9): 1707-1717
- **MR line-scan diffusion imaging of the spinal cord in children *AMERICAN JOURNAL OF NEURORADIOLOGY***
Robertson, R. L., Maier, S. E., Mulkern, R. V., Vajapayam, S., Robson, C. D., Barnes, P. D.
2000; 21 (7): 1344-1348
- **Registration of three-dimensional MR and CT studies of the cervical spine *AMERICAN JOURNAL OF NEURORADIOLOGY***
Panigrahy, A., Caruthers, S. D., Krejza, J., Barnes, P. D., Faddoul, S. G., Sleeper, L. A., Melhem, E. R.

2000; 21 (2): 282-289

- **CT findings in hyperacute nonaccidental brain injury** *PEDIATRIC RADIOLOGY*
Barnes, P. D., Robson, C. D.
2000; 30 (2): 74-81
- **Central nervous system abnormalities assessed with prenatal magnetic resonance imaging** *OBSTETRICS AND GYNECOLOGY*
Levine, D., Barnes, P. D., Madsen, J. R., Abbott, J., Mehta, T., Edelman, R. R.
1999; 94 (6): 1011-1019
- **Periventricular white matter injury in the premature infant is followed by reduced cerebral cortical gray matter volume at term** *ANNALS OF NEUROLOGY*
Inder, T. E., Huppi, P. S., Warfield, S., Kikinis, R., Zientara, G. P., Barnes, P. D., Jolesz, F., Volpe, J. J.
1999; 46 (5): 755-760
- **Nontuberculous mycobacterial infection of the head and neck in immunocompetent children: CT and MR findings** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Robson, C. D., Hazra, R., Barnes, P. D., Robertson, R. L., Jones, D., Husson, R. N.
1999; 20 (10): 1829-1835
- **MR line-scan diffusion-weighted imaging of term neonates with perinatal brain ischemia** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Robertson, R. L., Ben-Sira, L., Barnes, P. D., Mulkern, R. V., Robson, C. D., Maier, S. E., Rivkin, M. J., du Plessis, A. J.
1999; 20 (9): 1658-1670
- **Cervicomedullary astrocytomas of childhood: clinical and imaging follow-up** *PEDIATRIC RADIOLOGY*
Poussaint, T. Y., Yousuf, N., Barnes, P. D., Anthony, D. C., Zurakowski, D., Scott, R. M., Tarbell, N. J.
1999; 29 (9): 662-668
- **An unresponsive infant in the emergency room.** *Seminars in pediatric neurology*
Barnes, P. D., Robson, C. D.
1999; 6 (3): 225-227
- **Occult lumbosacral dysraphism in children and young adults: Diagnostic performance of fast screening and conventional MR imaging** *RADIOLOGY*
Medina, L. S., Al-Orfali, M., Zurakowski, D., Poussaint, T. Y., Dicanzio, J., Barnes, P. D.
1999; 211 (3): 767-771
- **The postmigrational development of polymicrogyria documented by magnetic resonance imaging from 31 weeks' postconceptional age** *ANNALS OF NEUROLOGY*
Inder, T. E., Huppi, P. S., Zientara, G. P., Jolesz, F. A., Holling, E. E., Robertson, R., Barnes, P. D., Volpe, J. J.
1999; 45 (6): 798-801
- **Obstetric MR imaging** *RADIOLOGY*
Levine, D., Barnes, P. D., Edelman, R. R.
1999; 211 (3): 609-617
- **Early detection of periventricular leukomalacia by diffusion-weighted magnetic resonance imaging techniques** *JOURNAL OF PEDIATRICS*
Inder, T., Huppi, P. S., Zientara, G. P., Maier, S. E., Jolesz, F. A., Di Salvo, D., Robertson, R., Barnes, P. D., Volpe, J. J.
1999; 134 (5): 631-634
- **Cortical development and maturation in normal and abnormal fetuses as assessed with prenatal MRI** *RIVISTA DI NEURORADIOLOGIA*
Levine, D., Barnes, P. D.
1999; 12: 93-96
- **Reply** *journal of pediatrics*
Barlow, Mulliken, Barnes, MacDonald, FOLKMAN, Ezekowitz
1999; 134 (3): 382-?
- **MR line scan diffusion imaging of the brain in children** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Robertson, R. L., Maier, S. E., Robson, C. D., Mulkern, R. V., Karas, P. M., Barnes, P. D.
1999; 20 (3): 419-425

- **Evaluation of fetal central nervous system abnormalities with ultrafast MRI** *RIVISTA DI NEURORADIOLOGIA*
Levine, D., Barnes, P. D., MADSEN, J., Hulka, C., Edelman, R. R.
1999; 12: 113-116
- **Cortical maturation in normal and abnormal fetuses as assessed with prenatal MR imaging** *RADIOLOGY*
Levine, D., Barnes, P. D.
1999; 210 (3): 751-758
- **Fetal CNS anomalies revealed on ultrafast MR imaging** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Levine, D., Barnes, P. D., Madsen, J. R., Abbott, J., Wong, G. P., Hulka, C., Mehta, T., Li, W., Edelman, R. R.
1999; 172 (3): 813-818
- **Neuroimaging of scoliosis in childhood** *NEUROIMAGING CLINICS OF NORTH AMERICA*
Kim, F. M., Poussaint, T. Y., Barnes, P. D.
1999; 9 (1): 195-?
- **Imaging of neuroendocrine disorders of childhood** *NEUROIMAGING CLINICS OF NORTH AMERICA*
Poussaint, T. Y., Gudas, T., Barnes, P. D.
1999; 9 (1): 157-?
- **Imaging of pediatric temporal bone abnormalities** *NEUROIMAGING CLINICS OF NORTH AMERICA*
Robson, C. D., Robertson, R. L., Barnes, P. D.
1999; 9 (1): 133-?
- **Head and neck vascular anomalies of childhood** *NEUROIMAGING CLINICS OF NORTH AMERICA*
Robertson, R. L., Robson, C. D., Barnes, P. D., Burrows, P. E.
1999; 9 (1): 115-?
- **Helical CT angiography: Dynamic cerebrovascular imaging in children** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Alberico, R. A., Barnes, P., Robertson, R. L., Burrows, P. E.
1999; 20 (2): 328-334
- **Neurologic complications of cerebral angiography in childhood moyamoya syndrome** *PEDIATRIC RADIOLOGY*
Robertson, R. L., Chavali, R. V., Robson, C. D., Barnes, P. D., Eldredge, E. A., Burrows, P. E., Scott, R. M.
1998; 28 (11): 824-829
- **Microstructural development of human newborn cerebral white matter assessed in vivo by diffusion tensor magnetic resonance imaging** *PEDIATRIC RESEARCH*
Huppi, P. S., Maier, S. E., Peled, S., Zientara, G. P., Barnes, P. D., Jolesz, F. A., Volpe, J. J.
1998; 44 (4): 584-590
- **Cyclosporin A acute encephalopathy and seizure syndrome in childhood: Clinical features and risk of seizure recurrence** *JOURNAL OF CHILD NEUROLOGY*
Gleeson, J. G., duPlessis, A. J., Barnes, P. D., Riviello, J. J.
1998; 13 (7): 336-344
- **Tectal tumors of childhood: Clinical and imaging follow-up** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Poussaint, T. Y., Kowal, J. R., Barnes, P. D., Zurakowski, D., Anthony, D. C., Goumnerova, L., Tarbell, N. J.
1998; 19 (5): 977-983
- **Cerebellar epilepsy** *NEUROSURGERY*
McLone, D. G., Stieg, P. E., Scott, R. M., Barnett, F., Barnes, P. D., Folkerth, R.
1998; 42 (5): 1106-1111
- **Relation of seizures after cardiac surgery in early infancy to neurodevelopmental outcome** *CIRCULATION*
Rappaport, L. A., Wypij, D., Bellinger, D. C., Helmers, S. L., Holmes, G. L., Barnes, P. D., Wernovsky, G., Kuban, K. C., Jonas, R. A., Newburger, J. W.
1998; 97 (8): 773-779
- **Efficacy of fast screening MR in children and adolescents with suspected intracranial tumors** *AMERICAN JOURNAL OF NEURORADIOLOGY*

- Medina, L. S., Zurakowski, D., Strife, K. R., Robertson, R. L., Poussaint, T. Y., Barnes, P. D.
1998; 19 (3): 529-534
- **Spastic diplegia as a complication of interferon Alfa-2a treatment of hemangiomas of infancy** *JOURNAL OF PEDIATRICS*
Barlow, C. F., Priebe, C. J., Mulliken, J. B., Barnes, P. D., Mac Donald, D., Folkman, J., Ezekowitz, R. A.
1998; 132 (3): 527-530
 - **Quantitative magnetic resonance imaging of brain development in premature and mature newborns** *ANNALS OF NEUROLOGY*
Huppi, P. S., Warfield, S., Kikinis, R., Barnes, P. D., Zientara, G. P., Jolesz, F. A., Tsuji, M. K., Volpe, J. J.
1998; 43 (2): 224-235
 - **Fetal fast MR imaging: Reproducibility, technical quality, and conspicuity of anatomy** *RADIOLOGY*
Levine, D., Barnes, P. D., Sher, S., Semelka, R. C., Li, W., McArdle, C. R., Worawattanakul, S., Edelman, R. R.
1998; 206 (2): 549-554
 - **Imaging of the neonatal central nervous system** *NEUROSURGERY CLINICS OF NORTH AMERICA*
Barnes, P. D., Taylor, G. A.
1998; 9 (1): 17-?
 - **Childhood optic chiasm gliomas: Radiographic response following radiotherapy and long-term clinical outcome** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*
Tao, M. L., Barnes, P. D., Billett, A. L., Leong, T., Shrieve, D. C., Scott, R. M., Tarbell, N. J.
1997; 39 (3): 579-587
 - **Radiologic-pathologic conference of Children's Hospital Boston: Pineal region mass in a neonate** *PEDIATRIC RADIOLOGY*
Robson, C. D., Price, D. L., Barnes, P. D., Taylor, G. A.
1997; 27 (10): 829-831
 - **Childhood moyamoya disease: hemodynamic MRI** *PEDIATRIC RADIOLOGY*
Tzika, A. A., Robertson, R. L., Barnes, P. D., Vajapeyam, S., Burrows, P. E., Treves, S. T., Scott, R. M.
1997; 27 (9): 727-735
 - **Posterior fossa abscess complicating occipital dermal sinus in children** *INTERNATIONAL JOURNAL OF NEURORADIOLOGY*
Williams, L., Carrico, J. B., Melhem, E. R., Barnes, P. D.
1997; 3 (5): 435-440
 - **Diencephalic syndrome: Clinical features and imaging findings** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Poussaint, T. Y., Barnes, P. D., Nichols, K., Anthony, D. C., Cohen, L., Tarbell, N. J., Goumnerova, L.
1997; 18 (8): 1499-1505
 - **Fetal central nervous system anomalies: MR imaging augments sonographic diagnosis** *RADIOLOGY*
Levine, D., Barnes, P. D., Madsen, J. R., Li, W., Edelman, R. R.
1997; 204 (3): 635-642
 - **Magnetic resonance techniques in the evaluation of the newborn brain** *CLINICS IN PERINATOLOGY*
Huppi, P. S., Barnes, P. D.
1997; 24 (3): 693-?
 - **Optic chiasm astrocytomas of childhood 1. Long-term follow-up** *PEDIATRIC NEUROSURGERY*
Medlock, M. D., Madsen, J. R., Barnes, P. D., Anthony, D. S., Cohen, L. E., Scott, R. M.
1997; 27 (3): 121-128
 - **Radiologic-Pathologic Conference of Children's Hospital Boston: Intraconal mass in the orbit of an infant** *PEDIATRIC RADIOLOGY*
Medina, L. S., Barnes, P. D., Donovan, M. J., Taylor, G. A.
1997; 27 (8): 682-684
 - **Angiographic changes after pial synangiosis in childhood moyamoya disease** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Robertson, R. L., Burrows, P. E., Barnes, P. D., Robson, C. D., Poussaint, T. Y., Scott, R. M.
1997; 18 (5): 837-845

- **Brain SPECT evaluation of cerebral perfusion in hemimegalencephaly** *CLINICAL NUCLEAR MEDICINE*
BARSEVER, Z., Connolly, L. P., Barnes, P. D., Treves, S. T.
1997; 22 (4): 250-252
- **Children with headache: Clinical predictors of surgical space-occupying lesions and the role of neuroimaging** *RADIOLOGY*
Medina, L. S., Pinter, J. D., Zurakowski, D., Davis, R. G., Kuban, K., Barnes, P. D.
1997; 202 (3): 819-824
- **Database prescan: A time-efficient alternative to brain MRI autoprescan** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
Medina, L. S., Mulkern, R. V., Strife, K. R., Zurakowski, D., Barnes, P. D.
1997; 7 (2): 442-446
- **Multivoxel proton MR spectroscopy and hemodynamic MR imaging of childhood brain tumors: Preliminary observations** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Tzika, A. A., Vajapeyam, S., Barnes, P. D.
1997; 18 (2): 203-218
- **Jugular foraminal stenosis in Crouzon syndrome** *PEDIATRIC NEUROSURGERY*
MARTINEZPEREZ, D., VANDERWOUDE, D. L., Barnes, P. D., Scott, R. M., Mulliken, J. B.
1996; 25 (5): 252-255
- **Hemorrhagic pituitary adenomas of adolescence** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Poussaint, T. Y., Barnes, P. D., Anthony, D. C., SPACK, N., Scott, R. M., Tarbell, N. J.
1996; 17 (10): 1907-1912
- **Magnetic resonance imaging changes after stereotactic radiation therapy for childhood low grade astrocytoma** *CANCER*
Bakardjiev, A. I., Barnes, P. D., Goumnerova, L. C., Black, P. M., Pomeroy, S. L., Billett, A., Loeffler, J. S., Tarbell, N. J.
1996; 78 (4): 864-873
- **Angiography and the evaluation of cerebrovascular disease in childhood** *NEUROIMAGING CLINICS OF NORTH AMERICA*
Burrows, P. E., Robertson, R. L., Barnes, P. D.
1996; 6 (3): 561-?
- **Ictal and interictal technetium-99m-bicisate brain SPECT in children with refractory epilepsy** *JOURNAL OF NUCLEAR MEDICINE*
Packard, A. B., Roach, P. J., Davis, R. T., Carmant, L., Davis, R., Riviello, J., Holmes, G., Barnes, P. D., OTUAMA, L. A., Bjornson, B., Treves, S. T.
1996; 37 (7): 1101-1106
- **Maternal phenylketonuria: Magnetic resonance imaging of the brain in offspring** *JOURNAL OF PEDIATRICS*
Levy, H. L., Lobbregt, D., Barnes, P. D., Poussaint, T. Y.
1996; 128 (6): 770-775
- **Registration and alignment of three-dimensional images: An interactive visual approach** *RADIOLOGY*
Habboush, I. H., Mitchell, K. D., Mulkern, R. V., Barnes, P. D., Treves, S. T.
1996; 199 (2): 573-578
- **Management of a pediatric hypothalamic mass** *NEUROSURGERY*
Stieg, P. E., Scott, R. M., Barnes, P. D., Folkerth, R. D.
1996; 38 (4): 806-811
- **Structural abnormalities in brain magnetic resonance images of depressed children** *JOURNAL OF THE AMERICAN ACADEMY OF CHILD AND ADOLESCENT PSYCHIATRY*
Steingard, R. J., Renshaw, P. F., YURGELUNTODD, D., Appelmans, K. E., Lyoo, I. K., Shorrock, K. L., Bucci, J. P., Cesena, M., Abebe, D., Zurakowski, D., Poussaint, T. Y., Barnes, P.
1996; 35 (3): 307-311
- **Radiologic-pathologic conference of Children's Hospital Boston: Scalp mass in a child following treatment for craniopharyngioma** *PEDIATRIC RADIOLOGY*
Robson, C. D., Barnes, P. D., Rodriguez, M. L., Taylor, G. A.
1996; 26 (3): 236-238

- **Neuromyelitis optica in childhood: Case report with sequential MRI findings** *JOURNAL OF CHILD NEUROLOGY*
Davis, S., Thiele, E., Barnes, P., Riviello, J. J.
1996; 11 (2): 164-167
- **Pediatric orbital and visual pathway lesions** *NEUROIMAGING CLINICS OF NORTH AMERICA*
Barnes, P. D., Robson, C. D., Robertson, R. L., Poussaint, T. Y.
1996; 6 (1): 179-?
- **Craniopharyngioma: Preliminary results of stereotactic radiation therapy** *2nd International-Stereotactic-Radiosurgery-Society Meeting*
Tarbell, N. J., Scott, R. M., Goumnerova, L. C., Pomeroy, S. L., Black, P. M., Barnes, P., Billett, A., Lavally, B., Shrieve, D., HELMUS, A., Kooy, H. M., Loeffler, J. S.
KARGER. 1996: 75-82
- **Technetium-99m-HMPAO SPECT in Sturge-Weber syndrome** *JOURNAL OF NUCLEAR MEDICINE*
BARSEVER, Z., Connolly, L. P., Barnes, P. D., Treves, S. T.
1996; 37 (1): 81-83
- **CYCLOSPORINE NEUROTOXICITY AND ITS RELATIONSHIP TO HYPERTENSIVE ENCEPHALOPATHY - CT AND MR FINDINGS IN 16 CASES** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Schwartz, R. B., Bravo, S. M., Klufas, R. A., Hsu, L. G., Barnes, P. D., Robson, C. D., Antin, J. H.
1995; 165 (3): 627-631
- **MAGNETIC-RESONANCE IMAGE-DIRECTED STEREOTAXIC NEUROSURGERY - USE OF IMAGE FUSION WITH COMPUTERIZED-TOMOGRAPHY TO ENHANCE SPATIAL ACCURACY** *JOURNAL OF NEUROSURGERY*
Alexander, E., Kooy, H. M., VANHERK, M., Schwartz, M., Barnes, P. D., Tarbell, N., Mulkern, R. V., Holupka, E. J., Loeffler, J. S.
1995; 83 (2): 271-276
- **HEMORRHAGIC VASCULOPATHY AFTER TREATMENT OF CENTRAL-NERVOUS-SYSTEM NEOPLASIA IN CHILDHOOD - DIAGNOSIS AND FOLLOW-UP** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Poussaint, T. Y., Siffert, J., Barnes, P. D., Pomeroy, S. L., Goumnerova, L. C., Anthony, D. C., Sallan, S. E., Tarbell, N. J.
1995; 16 (4): 693-699
- **DEVELOPMENTAL AND NEUROLOGIC STATUS OF CHILDREN AFTER HEART-SURGERY WITH HYPOTHERMIC CIRCULATORY ARREST OR LOW-FLOW CARDIOPULMONARY BYPASS** *NEW ENGLAND JOURNAL OF MEDICINE*
Bellinger, D. C., Jonas, R. A., Rappaport, L. A., Wypij, D., Wernovsky, G., Kuban, K. C., Barnes, P. D., Holmes, G. L., Hickey, P. R., Strand, R. D., Walsh, A. Z., Helmers, S. L., Constantinou, et al
1995; 332 (9): 549-555
- **DISSECTION OF THE CAROTID AND VERTEBRAL ARTERIES - IMAGING WITH MR-ANGIOGRAPHY** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Klufas, R. A., Hsu, L. G., Barnes, P. D., Patel, M. R., Schwartz, R. B.
1995; 164 (3): 673-677
- **DYSRAPHIC MYELODYSPLASIAS ASSOCIATED WITH UROGENITAL AND ANORECTAL ANOMALIES - PREVALENCE AND TYPES SEEN WITH MR-IMAGING** *AMERICAN JOURNAL OF ROENTGENOLOGY*
APPIGNANI, B. A., Jaramillo, D., Barnes, P. D., POUSSAINT, Y.
1994; 163 (5): 1199-1203
- **STEREOTAXIC RADIOTHERAPY FOR PEDIATRIC AND ADULT BRAIN-TUMORS - PRELIMINARY-REPORT** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*
DUNBAR, S. F., Tarbell, N. J., Kooy, H. M., Alexander, E., Black, P. M., Barnes, P. D., Goumnerova, L., Scott, R. M., Pomeroy, S. L., Lavally, B., Sallan, S. E., Loeffler, J. S.
1994; 30 (3): 531-539
- **SURGERY, RADIATION, AND COMBINATION THERAPY IN THE TREATMENT OF CHILDHOOD CRANIOPHARYNGIOMA A 20-YEAR EXPERIENCE** *PEDIATRIC NEUROSURGERY*
Scott, R. M., Hetelekidis, S., Barnes, P. D., Goumnerova, L., Tarbell, N. J.
1994; 21: 75-81
- **ADVANCES IN RADIATION-THERAPY FOR CRANIOPHARYNGIOMAS** *PEDIATRIC NEUROSURGERY*

- Tarbell, N. J., Barnes, P., Scott, R. M., Goumnerova, L., Pomeroy, S. L., Black, P. M., Sallan, S. E., Billett, A., Lavally, B., HELMUS, A., Kooy, H. M., Loeffler, J. S.
1994; 21: 101-107
- **MICROVESSEL COUNT AND CEREBROSPINAL-FLUID BASIC FIBROBLAST GROWTH-FACTOR IN CHILDREN WITH BRAIN-TUMORS** *LANCET*
Li, V. W., Folkerth, R. D., Watanabe, H., Yu, C. N., Rupnick, M., Barnes, P., Scott, R. M., Black, P. M., Sallan, S. E., Folkman, J.
1994; 344 (8915): 82-86
 - **Imaging of pediatric central nervous system infections.** *Neuroimaging clinics of North America*
Barnes, P. D., Poussaint, T. Y., Burrows, P. E.
1994; 4 (2): 367-391
 - **IMAGE FUSION FOR STEREOTAXIC RADIOTHERAPY AND RADIOSURGERY TREATMENT PLANNING** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*
Kooy, H. M., VANHERK, M., Barnes, P. D., Alexander, E., DUNBAR, S. F., Tarbell, N. J., Mulkern, R. V., Holupka, E. J., Loeffler, J. S.
1994; 28 (5): 1229-1234
 - **STURGE-WEBER SYNDROME WITH POSTERIOR-FOSSA INVOLVEMENT** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Decker, T., Jones, K., Barnes, P.
1994; 15 (2): 389-392
 - **Investigating the pediatric central nervous system.** *Current opinion in pediatrics*
Barnes, P. D., O'Tuama, L., Tzika, A.
1993; 5 (6): 643-652
 - **PEDIATRIC AND ADOLESCENT OLIGODENDROGLIOMAS** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Tice, H., Barnes, P. D., Goumnerova, L., Scott, R. M., Tarbell, N. J.
1993; 14 (6): 1293-1300
 - **MR IN IDIOPATHIC CENTRAL DIABETES-INSIPIDUS OF CHILDHOOD** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Appignani, B., Landy, H., Barnes, P.
1993; 14 (6): 1407-1410
 - **20-YEAR EXPERIENCE IN CHILDHOOD CRANIOPHARYNGIOMA** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*
Hetelekidis, S., Barnes, P. D., Tao, M. L., Fischer, E. G., Schneider, L., Scott, R. M., Tarbell, N. J.
1993; 27 (2): 189-195
 - **PREIRRADIATION CHEMOTHERAPY AND HYPERFRACTIONATED RADIATION-THERAPY 66 GY FOR CHILDREN WITH BRAIN-STEM TUMORS - A PHASE-II STUDY OF THE PEDIATRIC-ONCOLOGY-GROUP, PROTOCOL 8833** *CANCER*
Kretschmar, C. S., Tarbell, N. J., Barnes, P. D., Krischer, J. P., Burger, P. C., Kun, L.
1993; 72 (4): 1404-1413
 - **COMPUTED-TOMOGRAPHY IMAGING IN CHILDREN WITH HEAD TRAUMA - UTILIZATION AND APPROPRIATENESS FROM A QUALITY IMPROVEMENT PERSPECTIVE** *INFECTION CONTROL AND HOSPITAL EPIDEMIOLOGY*
Vera, M., Fleisher, G. R., Barnes, P. D., Bjornson, B. H., Allred, E. N., GOLDMANN, D. A.
1993; 14 (8): 491-499
 - **RADIOLOGIC DETERMINATION OF THE CAUDAL BORDER OF THE SPINAL FIELD IN CRANIAL SPINAL IRRADIATION** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*
DUNBAR, S. F., Barnes, P. D., Tarbell, N. J.
1993; 26 (4): 669-673
 - **TL-201 VERSUS TECHNETIUM-99M-MIBI SPECT IN EVALUATION OF CHILDHOOD BRAIN-TUMORS - A WITHIN-SUBJECT COMPARISON** *JOURNAL OF NUCLEAR MEDICINE*
OTUAMA, L. A., Treves, S. T., LARAR, J. N., Packard, A. B., KWAN, A. J., Barnes, P. D., Scott, R. M., Black, P. M., Madsen, J. R., Goumnerova, L. C., Sallan, S. E., Tarbell, N. J.
1993; 34 (7): 1045-1051
 - **CYSTIC RETROCEREBELLAR MALFORMATIONS - UNIFICATION OF THE DANDY-WALKER COMPLEX AND THE BLAKE POUCH CYST** *PEDIATRIC RADIOLOGY*

- Strand, R. D., Barnes, P. D., Poussaint, T. Y., Estroff, J. A., Burrows, P. E.
1993; 23 (4): 258-260
- **FAST SPIN-ECHO IMAGING OF INTRACRANIAL NEOPLASMS** *JOURNAL OF COMPUTER ASSISTED TOMOGRAPHY*
TICE, H. M., Jones, K. M., Mulkern, R. V., Schwartz, R. B., Kalina, P., Ahn, S., Barnes, P., Jolesz, F.
1993; 17 (3): 425-431
 - **PROGNOSTIC FACTORS IN MEDULLOBLASTOMA, INCLUDING DNA PLOIDY** *JOURNAL OF CLINICAL ONCOLOGY*
Zerbini, C., Gelber, R. D., Weinberg, D., Sallan, S. E., Barnes, P., Kupsky, W., Scott, R. M., Tarbell, N. J.
1993; 11 (4): 616-622
 - **EPIDURAL HEMATOMAS IN CHILDREN** *ANNALS OF EMERGENCY MEDICINE*
Schutzman, S. A., Barnes, P. D., MANTELLO, M., Scott, R. M.
1993; 22 (3): 535-541
 - **TETHERED SPINAL-CORD IN PATIENTS WITH ANORECTAL AND UROGENITAL MALFORMATIONS** *PEDIATRIC NEUROSURGERY*
WARF, B. C., Scott, R. M., Barnes, P. D., Hendren, W. H.
1993; 19 (1): 25-30
 - **ATYPICAL IDIOPATHIC SCOLIOSIS - MR IMAGING EVALUATION** *RADIOLOGY*
Barnes, P. D., Brody, J. D., Jaramillo, D., AKBAR, J. U., Emans, J. B.
1993; 186 (1): 247-253
 - **PRIMARY ENDODERMAL SINUS TUMOR OF THE ORBIT - MR FINDINGS** *AMERICAN JOURNAL OF ROENTGENOLOGY*
APPIGNANI, B. A., Jones, K. M., Barnes, P. D.
1992; 159 (2): 399-401
 - **RAPID MR IMAGING OF THE PEDIATRIC BRAIN USING THE FAST SPIN-ECHO TECHNIQUE** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Ahn, S. S., MANTELLO, M. T., Jones, K. M., Mulkern, R. V., MELKI, P. S., Higuchi, N., Barnes, P. D.
1992; 13 (4): 1169-1177
 - **FAST SPIN-ECHO MR IMAGING OF THE BRAIN AND SPINE - CURRENT CONCEPTS** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Jones, K. M., Mulkern, R. V., Schwartz, R. B., Oshio, K., Barnes, P. D., Jolesz, F. A.
1992; 158 (6): 1313-1320
 - **CAVERNOUS ANGIOMAS OF THE CENTRAL-NERVOUS-SYSTEM IN CHILDREN** *JOURNAL OF NEUROSURGERY*
Scott, R. M., Barnes, P., Kupsky, W., Adelman, L. S.
1992; 76 (1): 38-46
 - **BRAIN HEMORRHAGE - EVALUATION WITH FAST SPIN-ECHO AND CONVENTIONAL DUAL SPIN-ECHO IMAGES** *RADIOLOGY*
Jones, K. M., Mulkern, R. V., MANTELLO, M. T., MELKI, P. S., Ahn, S. S., Barnes, P. D., Jolesz, F. A.
1992; 182 (1): 53-58
 - **MR DIAGNOSIS OF BRAIN-DEATH** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Jones, K. M., Barnes, P. D.
1992; 13 (1): 65-66
 - **BIOLOGICAL CLASSIFICATION OF SOFT-TISSUE VASCULAR ANOMALIES - MR CORRELATION** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Meyer, J. S., Hoffer, F. A., Barnes, P. D., Mulliken, J. B.
1991; 157 (3): 559-564
 - **TL-201/TC99M-HMPAO SPECT IMAGING OF TREATED CHILDHOOD BRAIN-TUMORS** *PEDIATRIC NEUROLOGY*
OTUAMA, L. A., Janicek, M. J., Barnes, P. D., Scott, R. M., Black, P. M., Sallan, S. E., Tarbell, N. J., Kupsky, W. J., Wagenaar, D., Ulanski, J. S., Treves, S. T.
1991; 7 (4): 249-257
 - **THE PROGNOSTIC-SIGNIFICANCE OF POSTOPERATIVE RESIDUAL TUMOR IN EPENDYMOMA** *NEUROSURGERY*
Healey, E. A., Barnes, P. D., Kupsky, W. J., Scott, R. M., Sallan, S. E., Black, P. M., Tarbell, N. J.
1991; 28 (5): 666-672

- **CEREBRAL VENOGRAPHY WITH MR** *RADIOLOGY*
Mattle, H. P., Wentz, K. U., Edelman, R. R., Wallner, B., Finn, J. P., Barnes, P., ATKINSON, D. J., Kleefield, J., Hoogewoud, H. M.
1991; 178 (2): 453-458
- **DEFINITIVE RADIATION-THERAPY IN THE MANAGEMENT OF SYMPTOMATIC PATIENTS WITH OPTIC GLIOMA - SURVIVAL AND LONG-TERM EFFECTS** *CANCER*
Pierce, S. M., Barnes, P. D., Loeffler, J. S., McGinn, C., Tarbell, N. J.
1990; 65 (1): 45-52
- **MR DIAGNOSIS OF DURAL VENOUS SINUS THROMBOSIS COMPLICATING L-ASPARAGINASE THERAPY** *COMPUTERIZED MEDICAL IMAGING AND GRAPHICS*
SCHICK, R. M., Jolesz, F., Barnes, P. D., Macklis, J. D.
1989; 13 (4): 319-327
- **RESULTS OF PRESUMED CRYPTOGENIC EPILEPSY IN CHILDHOOD BY CT SCANNING** *ANNALES DE RADIOLOGIE*
Gilsanz, V., Strand, R., Barnes, P., NEALIS, J.
1979; 22 (2-3): 184-187