Curriculum Vitae

Name:	Ray L. Paschall Jr.
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Education

1978 - 1982	B.A. in Zoology from University of Arkansas, Fayetteville, AR United States
1982 - 1986	M.S. in Marine Biology from University of New Orleans, New Orleans, LA USA

Training

08/1986 - 06/1990	M.D. in Medicine from University of Arkansas for Medical Sciences, Little Rock, AR United States
07/1990 - 06/1991	Internship in Pediatric Internship from University of South Florida, Tampa, FL United States
07/1991 - 06/1994	Residency in Anesthesiology Residency from University of South Florida, Tampa, FL United States
1994 - 1995	Fellowship in Clinical Instructor/Fellow OB Anesthesiia from Vanderbilt University, Nashville, TN United States

Licensure and Certification

N/A	Medical License, MD of Arkansas United States
N/A	Medical License, MD of Florida United States
08/1994 - 09/2011	Medical, Tennessee Medical License of Tennessee United States (MD0000025990)
03/1995 - Present	Boards, Diplomate of the American Board of Anesthesiology United States (25725)
04/2009 - 03/2012	DEA [Drug Enforcement Administration] License, DEA [Drug Enforcement Administration] License of Tennessee United States (BP 4040894)

Academic Appointments

1982 - 1986	Graduate and Research Teaching Assisant, University of New Orleans (New Orleans, Louisiana)
1984 - 1985	Field Biologist, Suttkaus and Gunning, Inc., Tulane University/New Orleans LA (New Orleans, Louisiana)
1986 - 1986	Marine Biologist, St. Amant Labs, Louisiana Wildlife and Fisheries (Grand Isle, Louisiana)
09/1994 - 06/1995	Instructor of Anesthesiology, Vanderbilt University (Nashville, Tennessee)
07/1995 - 10/2003	Assistant Professor of Anesthesiology, Vanderbilt University (Nashville, Tennessee)
11/2003 - 06/2006	Associate Professor of Anesthesiology, Vanderbilt University (Nashville, Tennessee)
07/2006 - Present	Associate Professor of Clinical Anesthesiology, Vanderbilt University (Nashville, Tennessee)

Other Work Experience

1980 - 1982	Marina Manager, Crystal Springs Village Family Resort (Lake Ouachita AR, Arkansas)
1994 - 2003	Assistant Professor, Vanderbilt University Medical Center - Nashville TN

Professional Organizations

ASA - American Society of Anesthesiologists
TSA - Tennessee Society of Anesthesiologists
SOAP- The Society for Obstetric Anesthesia & Perinatology
ASRA - American Society of Regional Anesthesiology
IARS - International Anesthesia Research Society
GPRO - Global Perioperative Research Organization

Professional Activities

Intramural

1997 - Present	Vanderbilt Center for Advanced Maternal-Fetal Care Team, Member
1997 - 2005	GYN Surgery Task Force, Anesthesiology, Member
1997 - 2005	Vanderbilt Women's Center Task Force for Operative Services, Anesthesiology, OB Anesthesia & OB/GYN Departments collaboration, Member
07/1997 - 06/1998	Educational Committee, Anesthesiology, develop residency didactic/educational program, member/Chairman, Resident education
2001 - 2004	Dean's Committee for Development of Fetal Research Center, Vanderbilt University, Contributor, Anesthesiologist's contribution to in utero fetal surgery practice, Member
07/2008 - Present	Dean's Committee for Development of Fetal Research Center, Vanderbilt University, Contributor, Anesthesiologist's contribution to in utero fetal surgery practice, Member
07/2008 - Present	Vanderbilt Anesthesiology Clinical Competency Committee, Anesthesiology, Member
07/2010 - Present	Anesthesiology Peer Review Committee, Anesthesiology, Internal review of clinical performance in selected case performed by selected members of the Department of Anesthesiology, Member, Review
03/2011 - Present	Fetal Repair for Spina Bifida, Obstetrics :GYNECOLOGY, Anesthesiology for Fetal Surgery, Director

Teaching Activities

08/1995 - Present	Obstetric Didactic Topics, leader, OB conference room 4S, selected OB topics chosen for discussion and lecture to develop assigned reading and expected clinical experiences to fulfillment
06/2009 - Present	Case Based Assessment: Obstetric Case Based Assessment, mentor, Senior OB rotation summary case presentation by resident with guidance and emphasizing clinical care teaching points in open discussion format

Research Supervision / Mentorship

08/2011 - 07/2012	Adrienne Ray Ochsner Medical Center, Current Position: instructor. (Resident, Clinical)

Other Significant Activities

04/12	Lead Anesthesiologist for International Fetal Surgery Registry Center: Vandrerbilt has been designated as the model for In Utero MMC Repair. We are to server as host for the Registry which conveys recognition by the IFMSS and NIH to recommend our institution as a mentor to programs desiring to undertake in utero repairs.
01/1999	Fetal Surgery: NBC Dateline follows fetal surgery at Vanderbilt
09/1999	Baby Samuel Armas: Story on groundbreaking fetal surgery and the Baby Samuel Armas photo.
11/1999	Born Twice : Life Magazine. Early article on fetal surgery.
05/2000	Fetal Surgery for Spina Bifida: Fetal Surgery for Spina Bifida a second chance for baby Ethan
02/2008	The First Ache : News & Public Affairs Activity: The New York Times Article - The First Ache - by Annie Murphy Paul, Interviewed and Quoted

07/2010	remifentanil PCA protocol: development of safety guidelines and pt eligibility for remifentanil PCA for OB delivery. Currently in progress with Terry Bosen in Pharmacy.
02/2011	Guidlines and recommendations for buprenorphine and methadone: Development of anesthetic recommendations for pregnant patients receiving buprenorphine, buprenorphine/naloxone, buprenorphine/naltrexone, or methadone who request labor or surgical anesthesia.

Honors / Awards

05/1975	National Merit Scholar
05/1982	Honors Program Graduate, University of Arkansas
05/1986	Honors Graduate - Dundee Scholar, University of New Orleans
06/1997	Voelker Striepe Award, Department of Anesthesiology, Vanderbilt University School of Medicine, teacher of the Year

Publications

Peer Reviewed Publications

Research Articles

1. **Paschall RL**, Johnson RF, Johnson HV, Arney TL. The transfer of 2-chloroprocaine across the human term placenta: the effect of fetal pH. Regional Anesthesia 1995.
2. Johnson, RF, Herman, NL, Johnson, HV, Arney, TL, **Paschall, RL**, Downing, JW. Effects of fetal pH on local anesthetic transfer across the human placenta. Anesthesiology 1996 Sep;85(3) PMID: 8853092.
3. Johnson, RF, Herman, N, Arney, TL, Johnson, HV, **Paschall, RL**, Downing, JW. The placental transfer of sufentanil: effects of fetal pH, protein binding, and sufentanil concentration. Anesth Analg 1997 Jun;84(6) PMID: 9174304.
4. Bruner JP, Walsh WF, Boehm FH, **Paschall RL**, et al. Open fetal repair of myelomeningocele improves neurologic outcome in the neonate. Am J Obstet Gynecol 1999.
5. Johnson, RF, Herman, N, Arney, TL, Olenick, M, **Paschall, RL**, Johnson, HV, Downing, JW. Transfer of lidocaine across the dual perfused human placental cotyledon. Int J Obstet Anesth 1999 Jan;8(1) PMID: 15321171.
6. Johnson, RF, Cahana, A, Olenick, M, Herman, N, **Paschall, RL**, Minzter, B, Ramasubramanian, R, Gonzalez, H, Downing, JW. A comparison of the placental transfer of ropivacaine versus bupivacaine. Anesth Analg 1999 Sep;89(3) PMID: 10475309.
7. Tulipan N, Hernanz-Schulman M, Lowe LH, Bruner JP, **Paschall RL**. Intrauterine myelomeningocele repair reverses preexisting hindbrain herniation. Pediatr Neurosurg 1999 Sep;31(3):137-142.
8. Bruner, JP, Tulipan, N, **Paschall, RL**, Boehm, FH, Walsh, WF, Silva, SR, Hernanz-Schulman, M, Lowe, LH, Reed, GW. Fetal surgery for myelomeningocele and the incidence of shunt-dependent hydrocephalus. JAMA 1999 Nov;282(19) PMID: 10573272.
9. Downing, JW, Ramasubramanian, R, Johnson, RF, Minzter, BH, **Paschall, RL**, Sundell, HW, Engelhardt, B, Lewis, R. Hypothesis: selective phosphodiesterase-5 inhibition improves outcome in preeclampsia. Med Hypotheses 2004; 63(6) PMID: 15504576.
10. Ramasubramanian, R, Johnson, RF, Downing, JW, Minzter, BH, **Paschall, RL**. Hypoxemic fetoplacental vasoconstriction: a graduated response to reduced oxygen conditions in the human placenta. Anesth Analg 2006 Aug;103(2) PMID: 16861430.
11. Minzter, BH, Johnson RF, **Paschall RL**, Ramasubramanian R, Ayers GD, Downing JW. The Diverse Effects of Vasopressors on the Fetoplacental Circulation of the Dual Perfused Human Placenta. Anesth Analg 2010 Mar;110 (3):857-862.

Review Articles

1. Bennett, Carroll, Braun, Dabrowiak, Crum, Paschall, Kavanaugh, Tullipan. A Modified Surgical Approach for Uterine Entry and Closure in Patients Undergoing In Utero Repair for Myelomeningocle. Fetal Diagnosis and Therapy 12 Jun;in press.

Non-Peer Reviewed Publications

Abstracts

1. Downing JW, Baysinger CL, Johnson RL, **Paschall RL**. Review: Potential druggable targets for the treatment of early onset preeclampsia. An International Journal of Women's Cardiovascular Health 2013 Oct;3(4):203-210.

Review Articles

1. Phosphodiesterase-5 inhibitors improve outcome for Early Onset Preeclampsia: A hypothesis revisited. 2011.

Book Chapters

1. Bruner JP, **Paschall RL**. Cirugia fetal abierta [Anesthesia for myelomeningocele repair]. Madrid2007.
2. RL Paschall. Obstetric Anesthesia in Practical Regional Anesthesia. Practical Regional Anesthesia. Editors: Alan Kaye and Richard Urman. Springer; 2011 Sep.

Presentations

Workshop

1. Paschall, RL. Vanderbilt Inaugural Regional Anesthesia and Analgesia Conference. Anesthesiology Dept, Vanderbilt University School of Medicine; Nashville, Tennessee. 2000 Apr; Neuraxial Analgesia.
2. Paschall, RL. Elements of Perianesthesia Nursing Conference. School of Nursing, Vanderbilt University Medical Center; Nashville, Tennessee. 2001 Oct; Perioperative Nausea: Targeted Therapy and Reasonable Goals.
3. Vanderbilt Regional Anesthesia Workshop. VUMC; Nashville, Tennessee. 2003 Apr; Paravertebral Block.

Internal Grand Rounds

1. Paschall. Vanderbilt University Medical Center. Dept of Anesthesiology; Nashville, Tennessee. 12 Feb 10; Vanderbilt Anesthesia for Fetal Surgery 2012.
2. Paschall, Bruner, Tullipan and Eaton. Depatment of Obstetrics and Gynecology; Nashville, Tennessee. 2011 Apr 22; Panel Discussion of Fetal Surgery.

Presentations at Scientific Meetings

1. Kelly Bennett. Annual Meeting 2012. International Fetal Medicine and Surgical Society; Queenstown, New Zealand. 12 Apr 3; A Modified Surgical Approach fo Uterine Entry and Closure in Patients Undergoing In Utero Repair for Myelomeningocele.