

CURRICULUM VITAE

Personal Information	Prepared 6 June 2016
Name	Byron Craig Calhoun, MD, FACOG, FACS, FASAM, MBA
Date Birth	29 March 1957
Citizenship	USA
Marital Status	Married (Kathryn)
Children	5 children

Academic and other positions in descending order by year from most recent to oldest positions:

West Virginia University
Professor & Vice Chair
Department of Obstetrics & Gynecology
West Virginia University-Charleston
1 April 06-present

Locum Tenens

Locum Tenens MFM Physician
JC Nationwide
1 January 2005-1 March 2006

Rockford Health Systems, Rockford, Illinois
Director, Perinatal Assessment Unit
Rockford Health System
Rockford Memorial Medical Center
Rockford, Illinois
1 October 2002-31 December 04

Maternal-Fetal Medicine
Rockford Health System
Rockford Memorial Medical Center
Rockford, Illinois
1 July 2002-31 December 04

Midwestern University of Osteopathic Medicine, Chicago, Illinois
Adjunct Professor of Obstetrics and Gynecology
Midwestern University
Chicago College of Osteopathic Medicine
Department of Obstetrics and Gynecology
10 October 2002-2005

University of Illinois-Rockford, Illinois
Visiting Clinical Professor in Obstetrics and Gynecology
University of Illinois at Chicago
Department of Obstetrics and Gynecology
College of Medicine at Rockford
Rockford, Illinois
January 2003-31 December 2004

Madigan Army Medical Center, Tacoma, Washington
Director, Maternal-Fetal Medicine (MFM)
Fellowship
Madigan Army Medical Center, Tacoma, Washington
1 November 1997 – 1 July 2002

Acting Chief Clinical Study Service, Department of
Clinical Investigation
Madigan Army Medical Center, Tacoma, Washington
13 September 1999 – 1 July 2002

Director, Perinatal Assessment Unit
Madigan Army Medical Center, Tacoma, Washington
1995 – 1 April 2002

Assistant Chief, Obstetrical Services
Madigan Army Medical Center, Tacoma, Washington
1995 -1999

Chief, Maternal-Fetal Medicine Services
Madigan Army Medical Center, Tacoma, Washington
1 November 1997 - 1 September 1998

University of Washington, Seattle, Washington,
Clinical Assistant Professor Obstetrics/Gynecology
University of Washington
Seattle, Washington
1996 –August 2002

Uniformed Services University of Health Sciences, Washington, DC
Associate Professor of Clinical Obstetrics and Gynecology
Uniformed Services University of Health Sciences
F. Edward Hebert School of Medicine, Washington, DC.
1993 -1999

Adjunct Associate Professor of Obstetrics and Gynecology
Uniformed Services University of Health Sciences
F. Edward Hebert School of Medicine, Washington, D.C.
1999 - present

University of South Alabama, Mobile, Alabama
Associate Clinical Professor Obstetrics/Gynecology
University of South Alabama, Mobile, Alabama
1989 - 1995

University of Mississippi, Jackson, Mississippi
Clinical Instructor Obstetrics/Gynecology
University of Mississippi, Jackson, Mississippi
1989-2000

Keesler Air Force Medical Center, Biloxi, Mississippi
Vice-Chairman,
Department of Obstetrics and Gynecology
Keesler Medical Center (USAF), Biloxi, Mississippi
1990-1995

Director, Division of Obstetrics
Department of Obstetrics and Gynecology
Keesler Medical Center (USAF), Biloxi, Mississippi
1989 - 1995

Director, Maternal-Fetal Medicine Services
Department of Obstetrics and Gynecology
Keesler Medical Center (USAF), Biloxi, Mississippi
1989 - 1995

Assistant Program Director
Department of Obstetrics and Gynecology
Keesler Medical Center (USAF), Biloxi, Mississippi
1991 - 1995

Education

MBA (General) at Regis University
Denver, Colorado
Completed March, 2004

M.D. at University of Iowa Medical School
Iowa City, Iowa
1979 - 1983

BS in Biosciences at United States Air Force Academy
Colorado Springs, CO
1975 -1979

Post Graduate Training	<p>Fellow Maternal-Fetal Medicine Oregon Health Sciences University Portland, Oregon 1987 – 1989</p> <p>Obstetrics and Gynecology Residency University of Missouri-Columbia Columbia, Mo 1983 - 1987</p>												
Certification	<p>American Board of Obstetrics and Gynecology (12/1990) (Recertified 2014) American Board of Obstetrics and Gynecology in Maternal-Fetal Medicine (12/1991) (Recertified 2014) American Board of Addiction Medicine (12/2012-2022)</p>												
Licensure(all active)	<table border="0"> <tr> <td>IA-1984(FLEX)-24315</td> <td>OR-1987-15067</td> </tr> <tr> <td>AL-1990-15556</td> <td>MO-1984-R2EO4</td> </tr> <tr> <td>MS-1989-12283</td> <td>PA-1992-047371</td> </tr> <tr> <td>WA-1990-27893</td> <td>GA-1997-43341</td> </tr> <tr> <td>CO-1998-36750</td> <td>IL-2002-036-106082</td> </tr> <tr> <td>WV-2006-22187</td> <td></td> </tr> </table>	IA-1984(FLEX)-24315	OR-1987-15067	AL-1990-15556	MO-1984-R2EO4	MS-1989-12283	PA-1992-047371	WA-1990-27893	GA-1997-43341	CO-1998-36750	IL-2002-036-106082	WV-2006-22187	
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CO-1998-36750	IL-2002-036-106082												
WV-2006-22187													
Professional Honors	<p>Magna Cum Laude United States Air Force Academy - 1979 Health Professions Scholarship Program - United States Air Force Scholarship - 1979 - 1983 Consultant-Maternal/Fetal Medicine Air Force Surgeon General - 1991-10/2002 Chief Consultant in Maternal/Fetal Medicine to Air Force Surgeon General - 4/1995-10/2002 Vice-President American Association of Pro-Life Obstetricians and Gynecologists - 1996-2000 President American Association of Pro-Life Obstetricians and Gynecologists- 2000-2006 National Faculty Award for Excellence in Resident Education- Council on Resident Education in Obstetrics & Gynecology- 1998 Professor of Year - American College of Obstetricians and Gynecologists of the Armed Forces District - 1999 Major General Joyce Kenyon Award for Outstanding Clinical Research by a Faculty Member-Madigan Army Medical Center-6/2002 Air Force Individual Mobility Augmentee (IMA) Medical Corps Physician of the year for 2004 2004 Faculty Recognition Award for the Department of Obstetrics & Gynecology-University of Illinois-Rockford, Rockford, Illinois</p>												

2009 Inaugural Member of Academy of Excellence in Teaching & Learning-West Virginia University School of Medicine

2011 Linacre Award for the best article (Perinatal Hospice) in 2010 in the *The Linacre Quarterly*

“Performance Improvement the Lean Six Sigma Way”-2011 Quality award winner for all of Charleston Area Medical Center in Patient-Centered Care with Women’s Medicine Center Ambulatory Services Reduction of Drug Abuse in the Obstetrical Population. October, 20011

Military Honors

Retired USAF Colonel (20 January 2014)

Airborne Wings - 1978

Marksmanship ribbon - 1978

Squadron Officer's School by correspondence - 1982

Flight Surgeon Wings - 1983

Air Command & Staff College by seminar - 1990

National Defense Ribbon - 1991

Air Force Outstanding Unit Citations 1991, 1993, 1996, 1999

Air Force Longevity Medal - 1993

Navy Achievement Medal - 1994

Humanitarian Medal-"Sea Signal"(Cuba) - 8/1995

Joint Service Outstanding Unit-"Sea Signal" - 8/1995

Air Force Meritorious Service Medals - 9/1995, 7/1999, 7/2/2009

Air Force Achievement Medal-"Sea Signal"(Cuba) - 7/1996

Air War College by Correspondence - 10/1996

Army Commendation Medal - 7/1997, 5/2002, 6/2002

Army Achievement Medal - 10/1997

Army Meritorious Service Medal-5/2000

Air Force Recognition Ribbon-11/2004

Global Terrorism Medal-11/2005

Affiliations

Fellow of American College of Obstetricians and Gynecologists (9/1991)

Fellow of American College of Surgery (10/1993)

American Colposcopic Society-member

Air Force Society Clinical Surgeons - member

Association of Military Perinatologists of United States (Military Maternal-Fetal Society) - member

Association of Professors of Gynecology and Obstetrics (OB/GYN professors organization) - member

American Institute of Ultrasound in Medicine (National Ultrasound Organization) - senior member

Society of Maternal-Fetal Medicine – member

Society of Gynecologic Investigation-member

Journal Reviewer	American Journal of Obstetrics and Gynecology British Journal of Obstetrics and Gynaecology Obstetrics and Gynecology Military Medicine American Journal of Kidney Diseases The American Journal of Managed Care The Journal of Maternal-Fetal Medicine Gynecologic and Obstetric Investigation Fetal Diagnosis and Therapy Journal of Reproductive Medicine Health Policy Prenatal Diagnosis
Medical Center Committees	Ethics - Madigan (1996-2002) Quality Awards - Madigan (1996-2000) Chairman, Quality Awards- Madigan (2000-01) Graduate Medical Education - Madigan (1997-2001) Library - Madigan (1995-1999) Chairman Laboratory Utilization - Madigan (1998) Laboratory Utilization - Madigan (1995-1997) Quality Executive - Madigan (1996-1997) Pharmacy and Therapeutics - Madigan (1995-1996) Drug Utilization - Madigan (1995-1996) Ob/Gyn Departmental Quality Assurance Committee-Rockford Memorial Hospital -1 Dec 2002-31 December 2004 Chair, Ob/Gyn Departmental Quality Assurance Committee-Rockford Memorial Hospital -1 May 2003-31 December 2004 Bereavement Committee-Rockford Memorial Hospital -1 Oct 2002-31 December 2004 Palliative Care Committee-Rockford Memorial Hospital-1 Oct 2002-31 December 2004 Collaborative Practice Committee-Women's & Children's Hospital-Charleston Area Medical Center (CAMC)/West Virginia University (WVU)-May, 2006-1 Oct 09 Promotion & Tenure Committee-WVU-June, 2006-1 Oct 09 Compliance Committee-CAMC-January, 2007-present Scientific IRB-CAMC/WVU-September 2006-present Bereavement Committee-CAMC-January, 2009-present
Military Status	United States Air Force Reserve-COL
Community Service	President, Board of Directors, Appalachian Children's Chorus-1 Jan 2009-present Board of Directors, Edgewood Country Club, Charleston, WV 1 Feb 11-present

Active Investigational Protocols:

1. Smoking in pregnancy: analysis of a smoking cessation project in West Virginia. West Virginia University/Charleston Area Medical Center IRB Approved Protocol #07-10-1984.
2. Substance abuse in pregnancy: Role of universal drug screening and integrated addiction therapy in West Virginia. West Virginia University/Charleston Area Medical Center IRB Exempt Protocol #1997097.
3. Perceptions of Appropriate Weight Gain During Pregnancy in Appalachia. West Virginia University/Charleston Area Medical Center IRB Exempt Protocol #1997114 (10/21/2011).
4. Umbilical and Uterine Artery Doppler Studies Predicting Outcome in Pregnancies Affected By Maternal Tobacco Abuse. West Virginia University/Charleston Area Medical Center IRB Exempt Protocol #1997413.

Previous Investigational Protocols:

1. Random urine protein/creatinine ratio for quantification of proteinuria in pregnancy: an outcomes based, cost consequence analysis. Madigan Army Medical Center IRB Approved Protocol #98-060.
2. Delayed maternal expulsive efforts: effects on instrumental delivery. Madigan Army Medical Center IRB Approved Protocol #99-023.
3. Extending the duration of active phase arrest: effects on cesarean delivery. Madigan Army Medical Center IRB Approved Protocol #99-024.
4. Comparison of elective labor induction and spontaneous vaginal delivery: a randomized, controlled clinical trial. Madigan Army Medical Center IRB Approved Protocol #99-035.
5. Use of transvaginal sonography in predicting preterm delivery in patients with preterm contractions. Madigan Army Medical Center IRB Approved Protocol #99-051.
6. Fetal macrosomia: outcomes analysis in military population. Madigan Army Medical Center IRB Approved Protocol #99-075.
7. The effects of shear stress on placental production of placental vascular endothelial growth factor (VEGF), placental growth factor (PLGF), and tumor necrosis factor (TNF-alpha) in the isolated dually perfused placental cotyledon. Madigan Army Medical Center IRB Approved Protocol #2000-024.
8. The effects of hypoxia and hypoxia with acidemia on placental production of vascular endothelial growth factor and placenta growth factor in the isolated dually perfused placental cotyledon. Madigan Army Medical Center IRB Approved Protocol #2000-029.
9. Immunohistochemical and molecular biotechnologic detection of the human adrenomedullin receptor. Madigan Army Medical Center IRB Approved Protocol #2000-043.

10. Fetal growth curves in a military population. Madigan Army Medical Center IRB Approved Protocol #2000-055.
11. Magnesium in preeclampsia: plasma (maternal-fetal) and placental levels of ionized magnesium (iMg). Madigan Army Medical Center IRB Approved Protocol #2000-091.
12. Hispanic ethnicity and the relationship of ultrasound criteria for attributable risk for aneuploidy. Madigan Army Medical Center IRB Approved Protocol #2000-094.
13. The effects of hypoxia and hypoxia with acidemia on placental production of adrenomedullin in the isolated dually perfused placental cotyledon. Madigan Army Medical Center IRB Approved Protocol #2000-096.
14. Maternal lipid metabolism and pregnancy outcome. Madigan Army Medical Center IRB Approved Protocol #2000-108. (co-investigator of \$2 million NIH protocol)
15. Mentoring for the new millennium: enhanced scholarly activity, professional development, and personal satisfaction for future academics through the successful implementation of a mentor system. . Madigan Army Medical Center IRB Approved Protocol #2000-127.
16. US Navy female service member readiness: a leader's guide-implementation phase: utility validation survey. Madigan Army Medical Center IRB Approved Protocol #2000-128.
17. Comparative study of ultrasound detected fetal anomalies and maternal age in two healthcare systems (referral versus routine screening). Madigan Army Medical Center IRB Approved Protocol #2000-131.
18. Differential mRNA expression in the preeclamptic vs normal human placenta. Madigan Army Medical Center IRB Approved Protocol #2001-026.
19. Localization and quantification of apoptosis in human placental tissue. Madigan Army Medical Center IRB Approved Protocol #2001-028.
20. Effect of angiotnesin II on fetal placental perfusion pressures in preeclampsia ex vivo cotyledon. Madigan Army Medical Center IRB Approved Protocol #2001-030
21. Prenatal maternal serum analyte screening within the WRMC of the DoD MHS: microeconomic analysis of various models of screening or the additional burden of unintended cost shifts of a "cheaper" system. Madigan Army Medical Center IRB Approved Protocol #2001-031
22. Birth weight as a function of maternal duty status and participation in mandatory physical training program. Madigan Army Medical Center IRB Approved Protocol # 2001-032.
23. Return to fitness after implementation of formal Pregnant Soldier Wellness Program (PSWP) active duty (AD) obstetrical focus interdisciplinary clinic and discharge education. Madigan Army Medical Center IRB Approved Protocol #2001-034.
24. Effect of low-dose ASA and AT-II on fetal-placental perfusion pressure in the preeclamptic ex vivo cotyledon. Madigan Army Medical Center IRB Approved Protocol #2001-065.

25. The effects of pregnancy and delivery on pelvic organ support in nulliparous pregnant females. Madigan Army Medical Center IRB Approved Protocol #2001-096.
26. Mentoring for the new millennium: enhanced scholarly activity, professional development, and personal satisfaction for future academics through the successful implementation of a mentor system. Madigan Army Medical Center IRB Approved Protocol #2001-127.
27. Production of anti-adrenomedullin receptor monoclonal antibodies in *Mus musculus*. Madigan Army Medical Center IRB Approved Protocol #2001-130.
28. Comparative study of ultrasound detected fetal anomalies and maternal age in two healthcare systems (referral versus routine screening). Madigan Army Medical Center IRB Approved Protocol #2001-131.
29. Natural history of intra-uterine fetal demise (IUFD) in twin gestation. Madigan Army Medical Center IRB Approved Protocol #2002-001.
30. The effects of cyclooxygenase II inhibitor on prostacyclin and thromboxane A2 production by placental arteries from normal and preeclamptic patients. Madigan Army Medical Center IRB Approved Protocol #2002/022.
31. Smoking in pregnancy: analysis of a smoking cessation project in West Virginia. West Virginia University/Charleston Area Medical Center IRB Approved Protocol #07-10-1984.
32. Perceptions of weight gain during pregnancy in Appalachia. West Virginia University/Charleston Area Medical Center IRB Exempt Protocol #1997114.
32. Phospholipase A2 producing bacteria, age at gestation, cervical length measurement and the incidence of preterm birth. (prospective pilot study). West Virginia University/Charleston Area Medical Center IRB Approved Protocol #08-11-2007.
33. Association of antiendometrial antibodies with missed abortions and ectopic. West Virginia University/Charleston Area Medical Center IRB Approved Protocol #08-10-2090.
34. Cervical length and premature birth. West Virginia University/Charleston Area Medical Center IRB Approved Protocol #08-12-2113.
35. Substance abuse in pregnancy: role of universal urine drug screening and integrated addiction therapy in West Virginia. West Virginia University/Charleston Area Medical Center IRB Exempt Protocol #1997097.
36. Community Awareness Resources and Education (CARE-II)-Project 1: Causes of High Cervical Cancer Rates in Appalachia (NCI/Ohio State University). West Virginia University/Charleston Area Medical Center IRB Approved Protocol #1997187-27 Jan 2012.

Funded Investigational Protocols:

1. The effects of low dose acetylsalicylic acid infusion on perfusion pressure in the dual perfused Isolated human placental cotyledon model. Madigan Army Medical Center IRB Approved Protocol #96-100. Air Force Clinical Investigations Protocol SGO #96-100 (\$4,390)
2. The effects of adrenomedullin and angiotensin II on fetoplacental vascular tone. Madigan Army Medical Center IRB Approved Protocol #97-035. Air Force Clinical Investigations Protocol SGO #97-110 (\$2,843).
3. Plasma levels of adrenomedullin, a hypotensive peptide in the fetoplacental circulation. Madigan Army Medical Center IRB Approved Protocol #97-044. Air Force Clinical Investigations Protocol SGO #97-111 (\$1,465).
4. The vasoactive effects of adrenomedullin on fetoplacental vasculature precontracted with endothelin-1 or the thromboxane mimetic. Madigan Army Medical Center IRB Approved Protocol #97-210. Air Force Clinical Investigations Protocol SGO #97-210 (\$2,308).
5. The effects of lipopolysaccharide and inflammatory stimulus on placental production of interleukin-6 in the isolated dually perfused placental cotyledon. Madigan Army Medical Center IRB Approved Protocol # 97-309. Air Force Clinical Investigations Protocol SGO #97-309 (\$3,618).
6. The expression of adrenomedullin and its receptor in the human placenta. Madigan Army Medical Center IRB Approved Protocol #98-068. Air Force Clinical Investigations Protocol SGO #98-0001E (\$4,285).
7. The effects of magnesium sulfate on placental production of interleukin-6 in the isolated dually perfused placental cotyledon. Madigan Army Medical Center IRB Approved Protocol #98-105. Air Force Clinical Investigations Protocol SGO #99-0001E (\$1,500).
8. The effects of shear stress on placental production of interleukin-6 in the isolated dually perfused placental cotyledon. Madigan Army Medical Center IRB Approved Protocol #99-064. Air Force Clinical Investigations Protocol SGO #990006E (\$2,000).
9. The effects of hypoxia and hypoxia with acidemia on placental production of interleukin-6 in the isolated dually perfused placental cotyledon. Madigan Army Medical Center IRB Approved Protocol #2000-013. . Air Force Clinical Investigations Protocol SGO #2000-0013E (\$2,800)
10. Myometrial gap junctions and their importance in obstetric patients with chorioamnionitis. Madigan Army Medical Center IRB Approved Protocol #2000-015. Air Force Clinical Investigations Protocol SGO #2000-0015H (\$3,800)
11. The effects of hypoxia and hypoxia with acidemia on placental production of vascular endothelial growth factor, placental growth factor, and tumor necrosis factor (TNF-alpha) in the isolated dually perfused placental cotyledon. Madigan Army Medical Center IRB Approved Protocol #2000-029. Air Force Clinical Investigations Protocol SGO #2000-0029H (\$5,720)

12. Magnesium in preeclampsia: plasma (maternal-fetal) and placental levels of ionized magnesium (iMg). Madigan Army Medical Center IRB Approved Protocol 2000-091. Air Force Clinical Investigations Protocol SGO #2000-0091H (\$400)
13. The effects of hypoxia and hypoxia with acidemia on placental production of adrenomedullin in the in the isolated dually perfused placental cotyledon. Madigan Army Medical Center IRB Approved Protocol #2000-96. Air Force Clinical Investigations Protocol SGO #2000-0096H (\$1,600)
14. Phospholipase A2 Producing Bacteria, Age at Gestation, Cervical Length Measurement and the Incidence of Pre-Term Labor. West Virginia University/Charleston Area Medical Center IRB Approved Protocol #08-11-2097 (1/1/2009) (\$20,000)
15. Community Awareness Resources and Education (CARE-II)-Project 1: Causes of High Cervical Cancer Rates in Appalachia (NCI/Ohio State University). West Virginia University/Charleston Area Medical Center IRB Approved Protocol #1997187-27 Jan 2012. (\$80,000/year)

SCIENTIFIC PUBLICATIONS (Peer Review Journal Articles numbered)

1. **Calhoun BC**, Hesser JW. Heparin-associated antibody with pregnancy: discussion of two cases. *Amer J Obstet Gynecol* 1987; 156:964-966.
2. **Calhoun BC**, Fuchs G. Condyloma accuminata(HPV) the patient profile. *The Colposcopist*; Vol XX, Number 1, Winter, 1988; 5-8.
3. Hegge FN, Franklin RW, Watson PW, **Calhoun BC**. An evaluation of the time of discovery of fetal malformations by indication-based system for ordering obstetric ultrasound. *Obstet Gynecol* 1989; 74:21-24.
4. Hegge FN, Franklin RW, Watson PT, **Calhoun BC**. Fetal malformations commonly detectable on obstetric ultrasound. *J Repro Med* 35:391-398, 1990.
5. **Calhoun BC**, Watson PT, Hegge FN. Ultrasound diagnosis of an obstructive cardiac rhabdomyoma with severe hydrops and hypoplastic lungs. *J Repro Med* 1991;36(4): 317-319.
6. **Calhoun BC**, Watson PT. The cost of maternal cocaine abuse: 1. perinatal cost. *Obstet Gynecol* 1991;78(5):731-34.
7. McCool RA, Bombard AT, Burrows D, **Calhoun BC**. Unexplained positive/elevated maternal serum alpha-fetoprotein associated with placenta increta: a case report. *J Repro Med* 1992;37(9): 826-28.
8. **Calhoun BC**. Medical complications in pregnancy. *Ob/Gyn Clin NA* 1992;19(4):733-744.
9. **Calhoun BC**, Watson PT. The effects of intravenous magnesium sulfate and oral terbutaline on the ductus arteriosus. *Infertility* 1993; 15(2): 155-165.
10. Tucker ED, **Calhoun BC**, Thorneycroft IA, Edwards MS. Diabetes insipidus and acute fatty liver. *J Repro Med* 1993; 38(10): 835-38.

11. **Calhoun BC**, Brehm W, Bombard, AT. Early genetic amniocentesis and its relationship to respiratory difficulties in paediatric patients: A report of findings in patients and matched controls 3-5 years post-procedure. *Prenatal Diagnosis* 1994;14: 209-212.
12. **Calhoun BC**, Brost B. Intrapartum and postpartum obstetric emergencies. *Ob/Gyn Clin NA*, June 1995; 22(2): 357-67.
13. **Calhoun BC**, Bombard AT, Roberts WE, Brehm W. Management of immune thrombocytopenia purpura (ITP) at a military medical center. *Mil Med* 1995; 160(12):620-624.
14. **Calhoun BC**, Edgeworth D, Brehm W. External cephalic version at a military hospital: Predictors of success. *Aus NZ J Ob Gyn*, 1995; 35(3):277-79.
15. Tucker ED, Hoff C, Peevy K, Brost BC, Holland SB, **Calhoun BC**. The effects of antenatal steroid use in premature rupture of membranes. *Aus NZ J Ob Gyn* 1995; 35(4)390-392.
16. Venus JT, **Calhoun BC**. Urinary incontinence procedures performed at a military teaching hospital. *Mil Med* 1995; 160 (12):612-14.
17. Brost BC, **Calhoun BC**, Van Dorsten JP. Compound presentation resulting from the forward roll technique of external external cephalic version: A possible mechanism. *Am J Obstet Gynecol* 1996; 174 (3): 884-885.
18. Brost BC, Newman RB, Fries M, **Calhoun BC**. The effects of hemodialysis on total intrauterine volume. *Ultrasound Obstet Gynecol* 1996; 8: 34-36.
19. Napolitano PG, Hoeldtke NJ, Moore KH, **Calhoun BC**, Christensen ED, Markenson GR, Hume RF. The fetoplacental pressor effects of low-dose acetylsalicylic acid and angiotensin II in the ex-vivo cotyledon model. *Am J Obstet Gynecol* 1997; 177: 1093-6.
20. Hoeldtke NJ, Napolitano PG, Moore K, **Calhoun BC**, Hume RF. Fetoplacental vascular tone during fetal circuit acidosis, and acidosis with hypoxia, in the ex vivo perfused human placental cotyledon. *Am J Obstet Gynecol* 1997; 177: 1088-92.
21. Wagner RK, **Calhoun BC**. Utilizing sonography in a general obstetric practice. *OB/GYN Clin NA* September 1998; 25(3): 451-63.
22. Hoeldtke NJ, Wagner RK, Moore KH, **Calhoun BC**, Hume RF. Adrenomedullin concentrations in umbilical cord plasma of uncomplicated term pregnancies. *Am J Obstet Gynecol* 1998; 179: 1071-74.
23. Hoeldtke NJ, Floyd D, Werschkul JD, **Calhoun BC**, Hume RF. Intracranial cavernous angioma initially presenting in pregnancy with new-onset seizures. *Am J Obstet & Gynecol*. 1998; 178:612-613.
24. Perez RP, Patience T, Pulous E, Brown G, McEwen A, Asato A, Hume R, **Calhoun BC**. Use of a focused teen prenatal clinic at a military teaching hospital: model for improved outcomes. *Aust NZ J Obstet Gynaecol* 1998; 38(1)1-4.

25. **Calhoun BC**, Gries D, Barfield W, Kovac C, Hume RF. Cost consequences of implementation of an early obstetrical discharge programme in a military teaching hospital. *Aus NZ J Obstet Gynaecol* 1999; 39(1):1-6.
26. Ward N, Bayer S, Ballard M, **Calhoun BC**. Impact prenatal care with reduced frequency of visits in a residency teaching program. *J Repro Med* 1999; 44: 849-852.
27. Ko CW, Beresford SAA, Alderman B, Jarvik GP, Schulte SJ, **Calhoun BC**, Tsuchida AM, Koepsell TD, Lee SP. Apolipoprotein E genotype and risk of gallbladder disease in pregnancy. *Hepatology* 2000; 31: 18-23.
28. **Calhoun BC**, Jennings B, Penniston J, Patience T, Pulos E, Hume R. Focused obstetrical clinic for active duty junior enlisted service women: model for improved outcomes. *Mil Med* 2000; 165 (1):45-48.
29. Russell CS, Griffin D, Hume RF, Wagner RK, Tomich D, **Calhoun BC**. Cost consequence of elimination of the routine Group B streptococcus culture at a teaching hospital. *J of Matern-Fetal Med* 2000; 9:126-130.
30. **Calhoun BC**, Hume RF, Walters JL. Shoulder dystocia as a risk for obstetrical liability. *Armed Forces Institute of Pathology: Legal Medicine* 2000; 12-15.
31. Pierce PT, Pierce LM, Wagner RK, Apodaca CC, Hume RF, Nielsen PE, **Calhoun BC**. Hypoperfusion causes increased interleukin-6 and tumor necrosis factor-alpha production in the isolated dually perfused placental cotyledon. *Am J Obstet & Gynecol* 2000;183:863-67.
32. Brandsma C, **Calhoun BC**, Vannatta JE. Uncomplicated pregnancy: clinical pathway genesis based on the nursing process. *Mil Med* 2000; 165 (11):839-43.
33. Apodaca CC, Moore KH, Rossignol TM, Pierce PT, Matej LA, Hume RF, **Calhoun BC**. Localization of adrenomedullin and adrenomedullin receptor mRNA in the human placenta in normal and pregnancies complicated by oligohydramnios. *Am J Obstet Gynecol* 2000;183:1213-19.
34. Hoeldtke NJ, Wagner RK, **Calhoun BC**, Hume RF. Vasodilatory response of fetoplacental vasculature to adrenomedullin after constriction with the thromboxane sympathomimetic U46619. *Am J Obstet Gynecol* 2000;183:1573-8.
35. **Calhoun BC**, Hume RF. Integrated obstetrical ultrasound curriculum for obstetrics and gynecology residency, radiology residency, and maternal-fetal medicine fellowship program at an accredited American Institute of Ultrasound in Medicine diagnostic ultrasound center. *Ultrasound Obstet Gynecol* 2000;16:68-71.
36. Wagner R, Hinson R, Apodaca C, Hoeldtke N, Moore K, Hume R, **Calhoun BC**. The effects of lipopolysaccharide, an inflammatory stimulus, on fetoplacental vascular tone and production of interleukin-6 in isolated placental cotyledons. *J. Matern-Fetal Med* 2000;9:351-355.
37. Terry M, **Calhoun BC**, Walker W, Apodaca CC, Martin L, Pierce B, Hume RF, Evans MI. Aneuploidy and isolated mild ventriculomegaly. *Fetal Diagn Ther* 2000;15:331-334.

38. Miller RI, Stephan MJ, Hume RF, Walker WO, Kelly P, **Calhoun BC**, Hayden JE, Martin LS. Extreme elevation of maternal serum alpha-fetoprotein associated with mosaic trisomy 8 in a liveborn. *Fetal Diagn Ther* 2001;16:120-122.
39. Pierce BT, Dance VD, Wagner RK, Apodaca CC, Nielsen PE, **Calhoun BC**. Perinatal outcome following fetal single umbilical artery diagnosis. *J Matern-Fetal Med* 2001;10:59-63.
40. Pierce BT, Hancock E, Kovac C, Napolitano P, Hume RF, **Calhoun BC**. Influence of gestational age and maternal height on fetal femur length calculations. *Obstet Gynecol* 2001;97:742-746.
41. Hoeldtke NJ, **Calhoun BC**. Perinatal hospice. *Am J Obstet Gynecol* 2001;185:525-29.
42. Pierce BT, Napolitano P, Pierce L, Apodaca CC, Hume RF, **Calhoun BC**. The effects of hypoxia and hyperoxia on fetal-placental vascular tone and inflammatory cytokine production. *Am J of Obstet Gynecol* 2001;185:1068-72.
43. Russell C S, Lang C, McCambridge M, **Calhoun BC**. Neuroleptic malignant syndrome in pregnancy. *Obstet Gynecol* 2001;98:906-908.
44. Russell CS, **Calhoun BC**. Management of ectopic pregnancy at a military medical center. *Mil Med* 2002; 167 (2):129-131.
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2. **Calhoun BC**, Fuchs G. Condyloma accuminata patient profile system. American College of Obstetricians and Gynecologists District VII Meeting, Little Rock, Ark, October 1986.
3. Naef RW, **Calhoun BC**. Prevalence and etiology of fetal macrosomia in a military medical center obstetric referral service. Society of Perinatal Obstetricians, San Francisco, CA, January, 1991. *Am J Obstet Gynecol*, 1991.
4. **Calhoun BC**, Bombard AT. Obstetrical referral pattern for a military medical center. Air Force Clinical Surgeons Meeting, April 1991(Cancelled), Re-presented American College of Obstetricians and Gynecologists/30th Annual Armed Forces District, Cincinnati, Ohio, October, 1991.
5. McCool RA, Bombard AT, Bartholomew DA, Locker BK, and **Calhoun BC**. The association of unexplained positive/elevated MSAFP screening and placenta increta: A case report. American College of Obstetricians and Gynecologists/30th Annual Armed Forces District, Cincinnati, Ohio, October, 1991.
6. Fage S, Vara T, Willig S, Judge K, Winter K, Scott B, **Calhoun BC**, Hume RF, Cahill W. Cesarean section pre-packs: quality improvement, enhanced efficiency, and cost-containment. American College of Obstetricians and Gynecologists/35th Annual Armed Forces District. Nashville, TN, October, 1996.
7. Vara T, Morgan C, Lancaster A, Clark J, **Calhoun BC**, Hume RF, Morgenstern L. Female soldier readiness: a leader's guide. American College of Obstetricians and Gynecologists/35th Annual Armed Forces District, Nashville, TN, October, 1996.
8. Larsen FW, Acosta J, Napolitano PG, Hume RF, **Calhoun BC**. Prenatal diagnosis of vasa previa using color-flow doppler imaging: a case report. American College of Obstetricians and Gynecologists/35th Annual Armed Forces District, Nashville, TN, October, 1996.
9. Young EJ, Wyman MJ, Martin LS, Wells L, Stephan M, **Calhoun BC**, Hume RF. Rippling muscle disease complicating pregnancy. American College of Obstetricians and Gynecologists/35th Annual Armed Forces District, Nashville, TN, October, 1996.
10. Hoeldtke NJ, McEwen A, McClain R, Floyd J, Werschkul JD, **Calhoun BC**, Hume RF. Intracranial cavernous angioma initially presenting in pregnancy with new onset seizures. American College of Obstetricians and Gynecologists/ 35th Annual Armed Forces District, Nashville, TN, October, 1996.

11. Vara T, Morgan C, Clark J, Lancaster A, McCafferty, Rich I, **Calhoun BC**, Hume RF. Female soldier readiness: a leader's guide update 97. Abstract #22. American College of Obstetricians and Gynecologists/36th Annual Armed Forces District, New Orleans, LA, October, 1997.
12. Fage SJ, Azarow K, Heath M, Johnstone F, Diamond D, Willig S, **Calhoun BC**, Hume RF. Go to war surgery pre-packs: quality improvement, and cost-containment. Abstract #25. American College of Obstetricians and Gynecologists/36th Annual Armed Forces District, New Orleans, LA, October, 1997.
13. Frayer CA, Wagner RK, Wood S, Hoeldtke NJ, Nielsen P, **Calhoun BC**, Hume RF. Cesarean section for arrest of descent and station at onset of second stage: a case control study. Abstract #46. American College of Obstetricians and Gynecologists/36th Annual Armed Forces District, New Orleans, LA, October, 1997.
14. Rondeau JA, Wagner RF, **Calhoun BC**, Hume RF, Hibbert ML. Cesarean hysterectomy experience in a military teaching hospital: do smaller numbers mean different results. Abstract #50. American College of Obstetricians and Gynecologists/36th Annual Armed Forces District, New Orleans, LA, October, 1997.
15. Ellis JS, Hibbert ML, Christiansen M, Judge K, Mittelstaedt E, **Calhoun BC**, Hume RF. Ectopic pregnancy: a clinical pathway of care. Abstract #61. American College of Obstetricians and Gynecologists/36th Annual Armed Forces District, New Orleans, LA, October, 1997.
16. Heath M, Ellis JS, Perez RP, Diamond D, Willig S, **Calhoun BC**, Hume RF, Hibbert ML. Operative laparoscopy pre-packs: quality improvement, enhanced efficiency, and cost-containment. Abstract #85. American College of Obstetricians and Gynecologists/36th Annual Armed Forces District, New Orleans, LA, October, 1997.
17. Brown F, Wagner RK, Christiansen M, Judge K, Mittelstaedt E, **Calhoun BC**, Hume RF. Abstract #107. Nonviable pregnancy: a clinical pathway of care. American College of Obstetricians and Gynecologists/36th Annual Armed Forces District, New Orleans, LA, October, 1997.
18. Christiansen M, **Calhoun BC**, Perez R, Kindsvater S, Judge K, Fiorey R, Mittelstaedt E, Hume RF. Abstract #108. Perinatal pathways: critical process for re-engineering. American College of Obstetricians and Gynecologists/36th Annual Armed Forces District, New Orleans, LA, October, 1997.
19. Rondeau JA, Wagner RK, Christiansen M, Judge K, Mittelstaedt E, **Calhoun BC**, Hume RF. Abstract #109. Preterm labor: a clinical pathway of care. American College of Obstetricians and Gynecologists/36th Annual Armed Forces District, New Orleans, LA, October, 1997.
20. Kindsvater S, **Calhoun BC**, Christiansen M, Mittelstaedt E, Perez RP, Hume RF. Utilization review process as strategic planning for re-engineering perinatal services. Abstract #110. American College of Obstetricians and Gynecologists/36th Annual Armed Forces District, New Orleans, LA, October, 1997.
21. Ventura VL, Stevens S, Judge K, Willig S, Scott B, **Calhoun BC**, Hume RF. Vaginal delivery: quality improvement, and cost-containment. Abstract #122. American College of Obstetricians and Gynecologists/36th Annual Armed Forces District, New Orleans, LA, October, 1997.

22. Perez R, Patience T, Pulos E, Brown G, McEwen A, Asato A, Hume RF, **Calhoun BC**. Use of a focused teen prenatal clinic at a military teaching hospital: model for improved outcomes. Abstract #123. American College of Obstetricians and Gynecologists/36th Annual Armed Forces District, New Orleans, LA, October, 1997.
23. Dainty LA, Hibbert ML, Wagner RK, **Calhoun BC**, Hume RF. Pregnancy in the presence of mullerian anomalies: twins in a left hemiuterus. Abstract #126. American College of Obstetricians and Gynecologists/36th Annual Armed Forces District, New Orleans, LA, October 1997.
24. Ellis JS, Hibbert ML, Wagner RK, **Calhoun BC**, Hume RF. Acute postpartum sickling crisis in a patient with hemoglobin SC disease. Abstract #131. American College of Obstetricians and Gynecologists/36th Annual Armed Forces District, New Orleans, LA, October, 1997.
25. Wagner RK, Apodaca CC, Hoeldtke N, Moore K, **Calhoun BC**, Hume RF. The effect of lipopolysaccharide, an inflammatory stimulus, on the placental production of IL-6. 1st Annual Madigan Research Day, Tacoma, WA, April, 1999.
26. Apodaca C, Wagner R, **Calhoun BC**, Hume RF. Evaluation of abnormally low second trimester maternal serum unconjugated estriol. Abstract #2. American College of Obstetricians and Gynecologists/37th Annual Meeting Armed Forces District. Kissimmee, FL, October, 1998.
27. Dainty LA, Hibbert M, **Calhoun BC**, Wagner RK, Larsen FW. Small bowel obstruction in pregnancy: an uncommon diagnosis in patients presenting with common abdominal complaints. Abstract #25. American College of Obstetricians and Gynecologists/37th Annual Meeting Armed Forces District. Kissimmee, FL, October, 1998.
28. Harkins GJ, Wagner RK, Apodaca CC, **Calhoun BC**. Chemotherapeutic agents in pregnancy: a case series. Abstract # 60. American College of Obstetricians and Gynecologists/37th Annual Meeting Armed Forces District. Kissimmee, FL, October, 1998.
29. Kovac C, **Calhoun BC**. Cost consequences of implementation of an early obstetrical discharge program in a military teaching hospital. 2nd Annual Madigan Research Day, Tacoma, WA, April, 1999.
30. Apodaca C, **Calhoun BC**. The expression of adrenomedullin and its receptor in the human placenta. 2nd Annual Madigan Research Day, Tacoma, WA, April, 1999.
31. Burney R, Frayer C, Apodaca CC, Pierce BT, Nielsen P, **Calhoun BC**. A case report of a bifurcated umbilical cord and implications for antenatal management. Abstract #11. American College of Obstetricians and Gynecologists/38th Annual Meeting Armed Forces District. San Antonio, TX, October, 1999.
32. **Calhoun BC**, Hume RF. Integrated DoD Obstetrical Ultrasound Curriculum at an accredited American Institute of Ultrasound in Medicine Diagnostic Center. Abstract #12. American College of Obstetricians and Gynecologists/38th Annual Meeting Armed Forces District. San Antonio, TX, October, 1999.
33. Napolitano P, Hume RF, Moore KH, Kelly P, Hoeldtke N, Wagner R, Apodaca CC, Pierce B, Nielsen P, **Calhoun BC**. Expanding to meet the challenge of the new millennium: MFM program's enhanced scholarly activity through partnership with clinical investigation and graduate medical

education. Abstract #68. American College of Obstetricians and Gynecologists/38th Annual Meeting Armed Forces District. San Antonio, TX, October, 1999.

34. Nielsen P, Vara T, Phillips D, Dotson CR, Apodaca CC, Flynn D, Lancaster A, Whittaker P, **Calhoun BC**, Hume RF. Female soldier readiness: leader's guide update 1999. Abstract #69. American College of Obstetricians and Gynecologists/38th Annual Meeting Armed Forces District. San Antonio, TX, October, 1999.

35. Pierce B, Dance V, Wagner R, Apodaca CC, Nielsen P, **Calhoun BC**. Fetal outcome following single umbilical artery diagnosis. Abstract #79. American College of Obstetricians and Gynecologists/38th Annual Meeting Armed Forces District. San Antonio, TX, October, 1999.

36. Terry M, **Calhoun BC**, Walker W, Apodaca CC, Martin, Pierce BT, Hume RF, Evans M. Anueploidy and ventriculomegaly: attributable risk for isolated fetal marker. Abstract #100. American College of Obstetricians and Gynecologists/38th Annual Meeting Armed Forces District. San Antonio, TX, October, 1999.

37. Wagner R, Hinson R, Apodaca CC, Hoeldtke N, Moore K, Hume RF, **Calhoun BC**. The effects of magnesium sulfate on fetoplacental vascular tone and production of interleukin-6 in isolated cotyledon. Abstract #105. American College of Obstetricians and Gynecologists/38th Annual Meeting Armed Forces District. San Antonio, TX, October, 1999.

38. Winter K, Apodaca CC, Ullman D, Reeves L, Dotson CR, Dettori J, Phillips D, Flynn D, Barfield W, Whittaker P, **Calhoun BC**, Hume RF. A comparison of outcomes for ovarian tumors of low malignant potential based on staging technique. Abstract #115. American College of Obstetricians and Gynecologists/38th Annual Meeting Armed Forces District. San Antonio, TX, October, 1999.

39. Pierce BT, **Calhoun BC**. Fetal hypoperfusion causes increased interleukin-6 production in the isolated dually perfused placental cotyledon. 3rd Annual Madigan Research Day, Tacoma, WA, April, 2000.

40. Pierce BT, **Calhoun BC**, Lau A, Matej L, DeHart M, Pierce L. Connexin 43 mRNA and protein expression in normal and dysfunctional labor. Abstract #27. American College of Obstetricians and Gynecologists/39th Annual Meeting Armed Forces District. Cincinnati, OH, October, 2000.

41. Foglia L, Dance V, Hancock E, Nielsen PE, **Calhoun BC**, Pierce B. Intravascular adenosine administration via cordocentesis for treatment of fetal supraventricular tachycardia. Abstract #32. American College of Obstetricians and Gynecologists/39th Annual Meeting Armed Forces District. Cincinnati, OH, October, 2000.

42. Larsen W, Vara T, Ricks R, Hawley-Bowland C, Flynn D, Lancaster A, Nielsen P, Phillips D, Gunzenhauser J, Whittaker P, **Calhoun BC**, Hume RF. Female soldier readiness: leader's guide-utility validation survey. Abstract #50. American College of Obstetricians and Gynecologists/39th Annual Meeting Armed Forces District. Cincinnati, OH, October, 2000.

43. Vara T, Ricks R, Hawley-Bowland C, Larsen W, Flynn D, Lancaster A, Nielsen P, Phillips D, Gunzenhauser J, Whittaker P, **Calhoun BC**, Hume RF. Female soldier readiness: leader's guide update 2000. Abstract #51. American College of Obstetricians and Gynecologists/39th Annual Meeting Armed Forces District. Cincinnati, OH, October, 2000.

44. Foglia L, Misko C, Dunn JS, **Calhoun BC**, Brost B. Evaluation of clinical risk factors for delivering a macrosomic fetus. Abstract # 64. American College of Obstetricians and Gynecologists/39th Annual Meeting Armed Forces District. Cincinnati, OH, October, 2000.
45. Hume RF, Azarow KA, Olmstead F, Myers J, **Calhoun BC**, McClune D, Brosch L, Daniels J, Jones BA, Freund C, Martin LS. A regional military healthcare system response to expanding genetic research: ethical, legal, and social implications. Ethical, Legal, and Social Implications Research Program, National Human Genome Research Institute, National Institutes of Health. Bethesda, MD, January, 2001.
46. Elliott D, Hume RF, **Calhoun BC**. Madigan Army Medical Center, Tacoma, WA, and Evans MI, Hannemann, Philadelphia, PA. Natural history of intrauterine fetal demise (IUFD) in twin gestation. Abstract # 71. American College of Obstetricians and Gynecologists/40th Annual Meeting Armed Forces District. Portsmouth, VA, October, 2001.
47. Martin A, Lathrop A, Palmer D, D'Almeida M, Hume RF, Kaufman HK, **Calhoun BC**. Rockford Medical Center, Rockford, IL. Effects of environmental enrichment in a high risk antpartum inpatient setting. Abstract # 30. American College of Obstetricians and Gynecologists/42th Annual Meeting Armed Forces District. San Antonio, TX, October, 2003.
48. Lathrop A, D'Almeida M, Hume RF, Kaufman HK, Palmer D, **Calhoun BC**. Aquatherapy in a maternal-fetal medicine setting: Enhancement of environment, improved fitness, and decreased low mood. Abstract # 36. American College of Obstetricians and Gynecologists/42th Annual Meeting Armed Forces District. San Antonio, TX, October, 2003.
49. Njoku A, Hume RF, Lathrop A, D'Almeida M, Kaufman HK, Palmer D, **Calhoun BC**. Perinatal hospice: Interdisciplinary guide for HPSP students' training in ethical decision-making in patients with lethal fetal anomalies. Abstract # 38. American College of Obstetricians and Gynecologists/42th Annual Meeting Armed Forces District. San Antonio, TX, October, 2003.
50. Lathrop A, Carlson N, Preston L, Jacks S, Huber C, Fogel M, **Calhoun BC**, Hume RF. Sono-impedance factors of Foran (SIF): A standardized tool to assess utility of fetal echocardiography and avoid non-diagnostic studies. Abstract # 72. American College of Obstetricians and Gynecologists/42th Annual Meeting Armed Forces District. San Antonio, TX, October, 2003.
51. Stanley C, Njoku A, Durkee T, Hume RF, **Calhoun BC**, Miller JD. Military unique curriculum needs of medical students in Illinois: adapting clerkship opportunities with support from a district chair. Abstract # 60. American College of Obstetricians and Gynecologists/42th Annual Meeting Armed Forces District. San Antonio, TX, October, 2003.
52. **Calhoun BC**, Siegel E, Litchfield J, Seybold D. Smoking cessation program in an obstetrical clinic. Annual West Virginia University-Charleston/Charleston Area Medical Center Resident Research Day. Charleston, WV, April, 2008.
53. Aliff, DP, Memom, H, **Calhoun BC**. Familial Mediterranean fever in pregnancy: A case report. Annual West Virginia University-Charleston Resident Research Day. Charleston, WV, April, 2008.

54. **Calhoun BC**, Parry A. Pregnancy in a patient with familial hypokalemic periodic paralysis (FHPP). Annual West Virginia University-Charleston/Charleston Area Medical Center Resident Research Day. Charleston, WV, April, 2009.
55. **Calhoun BC**, Duling L. Successful pregnancy in patient with arginase deficiency. Annual West Virginia University-Charleston/Charleston Area Medical Center Resident Research Day. Charleston, WV, April, 2009.
56. Parry A, **Calhoun BC**. Infant with congenital cystic adenomatoid malformations of the lung (CCAM). Annual West Virginia University-Charleston/Charleston Area Medical Center Resident Research Day. Charleston, WV, 2010.
57. Seybold DJ, **Calhoun BC**, Emmett M. Teaching Residents How to Do Research: Pathway to Professionalism. Association of Professors of Obstetrics and Gynecology/ Council on Resident Education in Obstetrics and Gynecology Annual Meeting. San Antonio, TX, March, 2011.
58. Cruz A, **Calhoun BC**. Phospholipase A2 Producing Bacteria and Preterm Labor. Annual West Virginia University-Charleston/Charleston Area Medical Center Resident Research Day. Charleston, WV, 19 April 2011.
59. Findley J, **Calhoun BC**. Utility of Transvaginal Cervical Length Ultrasound in Prevention of Spontaneous Preterm Delivery in Appalachian Women Annual. West Virginia University-Charleston/Charleston Area Medical Center Resident Research Day. Charleston, WV, 19 April 2011.
60. Kelso A, **Calhoun BC**. Bladder Outlet Obstruction in a Dichorionic/Diamniotic Twin Gestation. West Virginia University-Charleston/Charleston Area Medical Center Resident Research Day. Charleston, WV, 16 April 2013. (1st place winner of oral case presentations)
61. **Calhoun BC**, Stalzer A, Seybold D, Broce M, Hossino D. Umbilical and Uterine Artery Doppler Studies Predicting Outcome in Pregnancies Affected By Maternal Tobacco Abuse. Young Researchers Forum 2014, 23 May 2014, Charleston, WV.
62. Stalzer A, **Calhoun BC**. Delayed interval delivery of twin gestation for 47 days with utilization of a McDonald cervical cerclage. Annual West Virginia University-Charleston/Charleston Area Medical Center Resident Research Day. Charleston, WV, 21 April 2015.
63. Cook J, Moore C, Seybold DJ, Broce M, Hill S, **Calhoun BC**. Relationship Between Self-Reported Maternal Tobacco Usage, Cotinine Levels, and Birth Outcomes. West Virginia University-Charleston/Charleston Area Medical Center Resident Research Day. Charleston, WV, 19 April 16.
64. Chaffin S, **Calhoun BC**. Primary hyperparathyroidism in pregnancy: A case report. West Virginia University-Charleston/Charleston Area Medical Center Resident Research Day. Charleston, WV, 19 April 16

POSTER ABSTRACT PRESENTATIONS (numbered)

1. **Calhoun BC**, Watson PT. Doppler flow across the fetal ductus arteriosus in preterm labor. Society of Gynecologic Investigation, San Diego, CA, February, 1989.
2. McCool RA, Bombard AT, Locker BK, and **Calhoun BC**. The association of unexplained positive/elevated MSAFP screening and placenta accreta: a case report. American College of Obstetricians and Gynecologists/29th Annual Armed Forces District, 1990 (cancelled).
3. Brennan MB, **Calhoun BC**, Bombard AT, and Roberts WE. Revised management of ITP in pregnancy. American College of Obstetricians and Gynecologists/29th Annual Armed Forces District, 1990 (cancelled).
4. Swan M, Jones JS, **Calhoun BC**. Intrapartum ultrasonographic estimated fetal Weight determinations by housestaff. American College of Obstetricians and Gynecologists/30th Annual Armed Forces District Meeting, Cincinnati, Ohio, #121, October, 1991.
5. **Calhoun BC**. External cephalic version with tocolysis in late pregnancy. American College of Obstetricians and Gynecologists/32nd Armed Forces District, Seattle, WA, #23, October, 1993.
6. Brost BC, **Calhoun BC**. Among normal parturients monographic measurement of fetal anatomy predicts the presence of phosphatidylglycerol. Society of Gynecologic Investigation, Chicago, IL, March, 1994.
7. Venus JT, **Calhoun BC**. Urinary incontinence procedures performed at a military hospital. American College of Obstetricians and Gynecologists/33rd Annual Armed Forces District, Reno, NV, November, 1994.
8. Macedonia C, **Calhoun BC**, Hume R, Littlefield R. The Army Medical Department experience in portable three-dimensional ultrasound systems. American College of Obstetricians and Gynecologists 44th Annual Meeting, Denver, CO, May, 1996. (Video Presentation-3rd Prize).
9. Apodaca CC, Buller JL, Hume RF, **Calhoun BC**, Johnson MP, Evans MI. Aneuploidy and choroid plexus cysts: attributable risk of an isolated fetal marker. 5th Annual Meeting of the American College of Medical Genetics, Los Angeles, CA, March, 1997.
10. Wagner RK, Pardo NA, Reddoch S, Seymour S, Palmer S, **Calhoun BC**, Hume RF. Fetal stem cell transplantation: the many implications for the primary obstetrical provider. American College of Obstetricians and Gynecologists/36th Annual Armed Forces District, New Orleans, LA, #162, October, 1997.
11. Hume RF, Martin LS, **Calhoun BC**, Miller RI, Bawle E, Johnson MP, Evans MI. Prenatal spectrum of mosaic trisomy 8: abnormalities of fetal sonography and maternal serum analytes. 5th Joint Clinical Genetics Meeting, American College of Medical Genetics, Los Angeles, CA, 27 February - 1 March, 1998.
12. Hawley-Bowland C, Hume RF, Cahill W, Willig S, Winter K, Ventura V, **Calhoun BC**. Obstetrical prepacks: quality improvement, enhanced efficiency and cost containment. First Annual Madigan Research Day, Tacoma, WA, May, 1998.

13. **Calhoun BC**, Hume RF. Integrated obstetrical ultrasound curriculum for obstetrics and gynecology residency, radiology residency, and maternal-fetal medicine fellowship programs. Council on Resident Education in Obstetrics and Gynecology/The Association of Professors of Gynecology and Obstetrics, San Diego, CA, February, 1999.
14. Hume RF, **Calhoun BC**, Moore K, Kelly P. Successful re-engineering the Madigan Army Medical Center maternal-fetal medicine fellowship program through partnership with clinical investigation and graduation medical education for enhanced scholarly activity. Council on Resident Education in Obstetrics and Gynecology/The Association of Professors of Gynecology and Obstetrics, San Diego, CA, February, 1999.
15. Hume RF, Martin LS, **Calhoun BC**, Stephan M, Nielsen P, Perez R. Integrated embryology curriculum for obstetrics and gynecology residency, urogynecology-pelvic surgery, and maternal-fetal medicine fellowship programs. Council on Resident Education in Obstetrics and Gynecology/The Association of Professors of Gynecology and Obstetrics, New Orleans, LA, March, 2000.
16. **Calhoun BC**, Hoeldtke NJ. The perinatal hospice: a logical extension of care in dying. The First Annual Clinical Conference and Exposition on Hospice and Palliative Care. Nashville, TN, February, 2000.
17. Pierce L, Pierce BT, Hume RF, Napolitano PG, **Calhoun BC**. Vascular endothelial growth factor and placental growth factor are not acutely produced by the placenta during fetal hypoxia or fetal hypoperfusion. . American College of Obstetricians and Gynecologists/39th Annual Meeting Armed Forces District. Cincinnati, OH, #6, October, 2000.
18. Hancock EG, Hume RF, Patience T, Pierce BT, Abadie JM, **Calhoun BC**. Longitudinal assessment of lipid profile values in heterogeneous population of pregnant women and the correlation with hypertensive disorders of pregnancy. American College of Obstetricians and Gynecologists/39th Annual Meeting Armed Forces District. Cincinnati, OH, #8, October, 2000.
19. Nielsen P, Chow G, Kelly P, **Calhoun BC**, Walker WO, Martin LS, Flynn D, Ricks RE, Perez R, Hume RF. Mentoring for the new millennium: enhanced scholarly activity, professional development, and personal satisfaction for future academics through the successful implementation of a mentor system. Association of Professors and Gynecology and Obstetrics Council on Resident Education in Obstetrics and Gynecology Annual Meeting. Orlando, FL, March, 2001.
20. **Calhoun BC**, Hoeldtke NJ. The perinatal hospice: a logical extension of care of dying. TRICARE 2001 Innovations Poster Exhibit. Office of the Assistant Secretary of Defense Health Affairs. TRICARE 2001 Innovations Poster Exhibit, Washington, D.C., January 22-25, 2001.
21. C. Kovac, Pierce B, Nielsen P, **Calhoun BC**. A case of fetal bladder obstruction with a failed vesico-amniotic shunt managed with serial amnioinfusion. American College of Obstetricians and Gynecologists/40th Annual Meeting Armed Forces District. Portsmouth, VA, #4, October, 2001.
22. Brown JA, Hancock E, Kovac C, Christine CC, **Calhoun BC**, Napolitano PG, Deal L. Prenatal and labor management in a patient with Osler-Rendu-Weber syndrome (hereditary hemorrhagic telangiectasias) and pulmonary AVMS (poster). American College of Obstetricians and Gynecologists/40th Annual Meeting Armed Forces District. Portsmouth, VA, #17, October, 2001.

23. Kovac CM, Brown JA, Apodaca CC, Napolitano PG, Pierce B, Patience T, Hume RF, **Calhoun BC**. Maternal Ethnicity and Variation of Fetal Femur Length Calculations When Screening for Down Syndrome. American College of Obstetricians and Gynecologists/40th Annual Meeting Armed Forces District. Portsmouth, VA, # 15, October, 2001.
24. Elliott DE, Patience T, Hume RF, **Calhoun BC**, Napolitano PG, Apodaca CC. Fetal growth curves in an ethnically diverse military population: the AIUM accredited platform experience. 10th Congress of the World Federation for Ultrasound in Medicine and Biology (WFUMB). Montreal, CANADA, #32178, 1-4 June, 2003.
25. Bartley J, **Calhoun BC**. Management of May-Thurner syndrome in pregnancy. Annual West Virginia University-Charleston/Charleston Area Medical Center Resident Research Day. Charleston, WV, 19 April 2011.
26. Parry A, **Calhoun BC**. Serum anti-endometrial antibodies and first trimester pregnancy loss. . Annual West Virginia University-Charleston/Charleston Area Medical Center Resident Research Day. Charleston, WV, 19 April 2011.
27. Smith M, Seybold D, Aladefa K, Miller JL, **Calhoun BC**. Inflammatory Cytokines and Cervical Length: Relationship to Incidence of Preterm Birth. 59th Annual Meeting of Society of Gynecologic Investigation. San Diego, CA, 21-24 March, 2012.
28. Hensel S, Seybold S, Lewis T, Burgess D, Casto A, **Calhoun BC**. Substance Abuse in Pregnancy: Role of Universal Urine Drug Screening and Addiction Therapy in West Virginia. Charleston, WV, 17 April 2012.
29. Eguez M, Barnett R, Seybold D, **Calhoun BC**, Matics A, Hill S, Thornton B, Broce M. Prenatal Tobacco Cessation Reduces Risk of Small for Gestational Age Newborns. Charleston, WV, 17 April 2012.
30. Smith M, Seybold D, Aladefa K, Miller JL, **Calhoun BC**. Cytokines and Cervical Length: Relationship to Incidence of Preterm Birth. Charleston, WV, 17 April 2012.
31. Hensel S, Seybold D, Lewis T, Burgess D, Casto A, **Calhoun BC**. Substance Abuse in Pregnancy: Role of Universal Urine Drug Screening and Addiction Therapy in West Virginia. 16th World Congress on Controversies in Obstetrics, Gynecology, and Infertility (COGI), Singapore, 19-22 Jul 2012.
32. Eguez M, Barnett R, Seybold D, Matics A, Hill S, Thornton B, Broce M, **Calhoun BC**. Prenatal Tobacco Cessation Reduces Risk of Small for Gestational Age Newborns. 2012 National Conference on Tobacco or Health. Kansas City, MO 15-17 August 2012.
33. Stalzer A. **Calhoun BC**. Congenital cystic adenomatoid malformation with mosaic Klinefelter Syndrome: A case report. West Virginia University-Charleston/Charleston Area Medical Center Resident Research Day. Charleston, WV, 16 April 13.
34. Andrews K, **Calhoun BC**, Seybold D. Perceptions of appropriate weight gain during pregnancy in Appalachia. West Virginia University-Charleston/Charleston Area Medical Center Resident Research Day. Charleston, WV, 16 April 13.

35. Hensel S, **Calhoun BC**. Cervical Vein Varix in Pregnancy: A Case Report. West Virginia University-Charleston/Charleston Area Medical Center Resident Research Day. Charleston, WV, 16 April 13. (3rd place winner of poster competition).
36. **Calhoun BC**, Kelso A, Seybold D, Broce M, Hill S, Smith M. Prenatal Tobacco Cessation Reduces Risk of Small for Gestational Age Newborns. 62nd Annual Meeting of American College of Obstetrics and Gynecology. New Orleans, LA, May, 2013. *Obstet Gynecol*.
37. Hensel S, **Calhoun BC**. Ultrasound Diagnosis of an Amniotic Sheet: Case Report. West Virginia University-Charleston/Charleston Area Medical Center Resident Research Day. Charleston, WV, 22 April 14. (3rd place winner of poster competition).
38. Cook J, Moore C, Seybold DJ, Broce M, Hill S, **Calhoun BC**. Relationship Between Self-Reported Maternal Tobacco Usage, Cotinine Levels, and Birth Outcomes. West Virginia University-Charleston/Charleston Area Medical Center Resident Research Day. Charleston, WV, 22 April 14.
39. Clark S, **Calhoun BC**. Loeys-Dietz Syndrome in pregnancy. Annual West Virginia University-Charleston/Charleston Area Medical Center Resident Research Day. Charleston, WV, 21 April 2015.
40. Chaffin Samantha, **Calhoun BC**. Acute intermittent porphyria in pregnancy. Annual West Virginia University-Charleston/Charleston Area Medical Center Resident Research Day. Charleston, WV, 21 April 2015.
41. Andrews K, **Calhoun BC**, Seybold D. Perceptions of appropriate weight gain during pregnancy. 23rd Annual Women's Health Conference, Washington, DC 16-19 April 2015.
42. Hoover E, Hill A, **Calhoun BC**, Seybold D., Broce M, Schaible B, Bracero LA. Outcomes in an obstetrical population with hereditary thrombophilia. 63rd Annual Meeting Society for Reproductive Investigation, Montreal, CANADA, 18 March 2016.
43. Saini N, **Calhoun BC**. Management of neonatal autoimmune thrombocytopenia in pregnancy: A case report. Annual West Virginia University-Charleston/Charleston Area Medical Center Resident Research Day. Charleston, WV, 19 April 2016.

GUEST LECTURES & CME CONFERENCES

- 1991 Fetal Monitoring Course: Fetal Scalp and Cord pH Use. University of South Alabama annual update (8/1991), Mobile, AL.
- 1991 Fetal Macrosomia. American College of Obstetricians and Gynecologists 40th Annual Meeting (5/1991), New Orleans, LA (luncheon speaker).
- 1992 Preterm Labor Intervention and Hypertensive Disorders. University of South Alabama (4/1992), Mobile, AL.
- 1992 Cord/ Scalp pH evaluation. American College of Obstetricians and Gynecologists 41st Annual Meeting (4/1992, Las Vegas, NV (luncheon speaker).

1993 Electronic Fetal Monitoring. University of South Alabama annual update (3/1993), Mobile, AL.

1993 Office Vaginal Ultrasound and Impending Macrosomia. American College of Obstetricians and Gynecologists 42nd Annual Meeting (5/1993), Washington, DC. (luncheon speaker).

1993 Management of Immune Thrombocytopenia Purpura in Pregnancy. American College of Obstetricians and Gynecologists 42nd Annual Meeting (5/1993), Washington, D.C. (luncheon speaker).

1993 Stump the Professor Session. American College of Obstetricians and Gynecologists/32nd Annual Armed Forces District (10/1993), Seattle, WA.

1994 HUAM and Terbutaline Pump. American College of Obstetricians and Gynecologists 43rd Annual Meeting (5/1994), Orlando, FL (luncheon speaker).

1994 Triple Screen in Obstetrics. American College of Obstetricians and Gynecologists 43rd Annual Meeting (5/1994), Orlando, FL (luncheon speaker).

1994 Breast Cancer and Abortion, University of South Alabama annual update (5/1994), Mobile, AL

1994 Premature, Preterm Rupture of the Membranes and Asthma in Pregnancy. Invited speaker at Eglin AFB Family Practice/Obstetrics Conference (5/1994), Eglin, AFB, FL.

1995 Heparin Pump: Indications for Use. American College of Obstetricians and Gynecologists 44th Annual Meeting (5/1995), San Francisco, CA (luncheon speaker).

1995 Antiphospholipid Antibodies in Pregnancy. American College of Obstetricians and Gynecologists 43rd Annual Meeting (5/1995), San Francisco, CA. (luncheon speaker).

1996 Thrombocytopenia in Pregnancy. American College of Obstetricians and Gynecologists 45th Annual Meeting (5/1996), Denver, CO (luncheon speaker).

1996 Triple Marker Screening in Pregnancy. American College of Obstetricians and Gynecologists 45th Annual Meeting (5/1996), Denver, CO (luncheon speaker).

1997 Three Dimensional Ultrasound. American College of Obstetricians and Gynecologists 44th Annual Meeting (4/1997), Las Vegas, NV (luncheon speaker).

1997 Grand Rounds and Resident Research Day Invited Visiting Professor. Intrauterine Growth Restriction. University of South Alabama, Mobile, AL (4/1997).

1997 Invited Speaker at 11th Annual OB/GYN Update at University of Missouri-Columbia, Columbia, MO. Antiphospholipid Antibodies in Pregnancy (11/1997).

1998 Early Discharge for Routine Vaginal Delivery. American College of Obstetricians and Gynecologists 47th Annual Meeting (5/1998), New Orleans, LA (luncheon speaker).

1998 Analyte Screening in Pregnancy. American College of Obstetricians and Gynecologists 47th Annual Meeting (5/1998), New Orleans, LA (luncheon speaker).

1999 Invited Speaker at 1999 Annual Update in Obstetrics and Gynecology, Kansas City, MO (4/1999). Fearfully and Wonderfully Made (lethal anomalies diagnosed by ultrasound) and Perinatal Hospice.

1999 Factor V Leiden in OB/GYN. American College of Obstetricians and Gynecologists 48th Annual Meeting (5/1999), Philadelphia, PA (luncheon speaker).

1999 Multiple Analyte Screening. American College of Obstetricians and Gynecologists 48th Annual Meeting (5/1999), Philadelphia, PA. (luncheon speaker).

2000 DVT in OB/GYN: Where Are We Now? American College of Obstetricians and Gynecologists 49th Annual Meeting (5/00), San Francisco, CA (luncheon speaker).

2000 Ultrasound Evaluation of Female Pelvic Relaxation. American College of Obstetricians and Gynecologists 49th Annual Meeting (5/00), San Francisco, CA (luncheon speaker).

2000 Ultrasound and the Difficult Cases and Perinatal Hospice. Advanced Life Support for Unplanned Pregnancies. Choices Medical Meeting (8/00), Wichita, KS (invited speaker).

2000 VBAC: Short term gain vs Long Term Effect. American College of Obstetricians and Gynecologists/39th Annual Meeting Armed Forces District (10/00), Cincinnati, OH, (panel discussant).

2001 Perinatal Implications of Multiple Analyte Testing. American College of Obstetricians and Gynecologists 50th Annual Meeting (5/01), Chicago, IL (luncheon speaker).

2001 Primary Cesarean Section: An Idea Whose Time Has Come? American College of Obstetricians and Gynecologists 50th Annual Meeting (5/01), Chicago, IL (luncheon speaker).

2002 Keynote Address: Rockford Research Day. Perinatal Hospice. (4/02), Rockford, IL.

2002 Invited Speaker: National Right to Life Committee. Perinatal Hospice. (6/02), Pittsburg, PA.

2002 Invited Speaker: Catholic Medical Association 71st Annual Meeting. Perinatal Hospice. (10/02), Chicago, IL.

2003 Keynote Address: New Beginnings 10th Anniversary. Perinatal Hospice. (5/03), Cincinnati, OH.

2003 Invited Speaker: National Right to Life Committee. Induced Abortion and Preterm Birth Risk. (7/03), St Louis, MO.

2004 Invited Speaker: Preterm Labor-Risk Factors, Detection, and Surveillance (8/03), Evansville, IN.

2003 Invited Speaker: March of Dimes 15th Annual Perinatal Symposium. Preterm Labor-Risk Factors, Detection, and Surveillance. (10/03), Rockford, IL.

2003 Invited Speaker: Focus on the Family Physician Conference for Medical Professionals. The New Genetics: How to Deal with the Impact of Prenatal Diagnosis. (11/03), Colorado Springs, CO.

2003 Invited Speaker: Hannah's Hour. Perinatal Hospice and The New Genetics: How to Deal with the Impact of Prenatal Diagnosis. (12/03), Evansville, IN.

2004 Invited Speaker: Perinatal Hospice. (2/04), Sioux City, IA.

2004 Invited Speaker: Preterm Labor and Abortion. American College of Obstetricians and Gynecologists 52nd Annual Meeting (5/04), Philadelphia, PA (Special Interest Group Speaker for American Association of Pro-Life Obstetricians and Gynecologists).

2004 Invited Speaker: Induced Abortion and Risk of Later Premature Births. National Institute of Family and Life Advocates (NIFLA) annual meeting (7/04), Atlanta, GA.

2004 Invited Speaker: Catholic Medical Association 73rd Annual Meeting. The Fetus as our Patient: The confluence of Faith and Science in the care of the Unborn. (9/04), Orlando, FL.

2005 Invited Speaker: Cost of Preterm Labor. American College of Obstetricians and Gynecologists 53rd Annual Meeting (5/05), San Francisco, CA (Special Interest Group Speaker for American Association of Pro-Life Obstetricians and Gynecologists).

2005 Invited Speaker: Ectopic Pregnancy and Public Health Costs of Abortion and Preterm Birth. National Institute of Family and Life Advocates (NIFLA) annual meeting (7/05), Atlanta, GA.

2005 Invited Speaker: Medical Impact of Abortion on Women. Focus on the Family Physicians Conference (11/05), Colorado Springs, CO.

2006 Invited Speaker: Induced Abortion and Subsequent Preterm Delivery: Whisper of Association or Cry of Causation?. Annual Matthew Bulfin Mid-winter meeting of American Association of Pro-Life Obstetricians and Gynecologists, (1/06), Ft Lauderdale, FL.

2006 Invited Speaker: Induced Abortion and Subsequent Preterm Delivery: Whisper of Association or Cry of Causation? American College of Obstetricians and Gynecologists 54th Annual Meeting (5/06), Washington, DC (Special Interest Group Speaker for American Association of Pro-Life Obstetricians and Gynecologists).

2006 Invited Speaker: Anomalies in 1st and 2nd Trimester Scans & Ectopic Pregnancy. National Institute of Family and Life Advocates (NIFLA) annual meeting (7/06), Colorado Springs, CO.

2007 Invited Speaker: Beyond Contraceptive Mentality: 4th World Congress of Families (5/07), Warsaw, Poland.

2007 Invited Speaker: Abortion and Subsequent Preterm Birth: getting to the truth? British Parliament-Pro-life Members of Parliament (5/07), London, England.

2007 Invited Speaker: Perinatal Hospice. National Institute of Family and Life Advocates (NIFLA) annual meeting (7/07), Colorado Springs, CO.

2007 Invited Speaker: Anomalies in 1st and 2nd Trimester Scans & Ectopic Pregnancy. National Institute of Family and Life Advocates (NIFLA) annual meeting (7/07), Colorado Springs, CO.

2007 Invited Speaker: Abortion and Subsequent Preterm birth. First Lisbon Medical Conference in Human Life Studies. (11/07), Lisbon, Portugal.

2008 Invited Speaker: Abortion and Subsequent Preterm Birth: getting to the truth? Christiana Hospital System, (3/08), Wilmington, DE.

2008 Invited Speaker: The New Genetics. Focus on the Family Physicians Conference (4/07), Colorado Springs, CO.

2008 Invited Participant: Surgeon General's Conference on Preterm Birth (6/08), Washington, D.C.

2008 Invited Speaker: Early Pregnancy Failure: Understanding the Essentials. National Institute of Family and Life Advocates (NIFLA) annual meeting, (7/08), Orlando, FL

2008 Invited Speaker: Contraceptive Methods A-Z. National Institute of Family and Life Advocates (NIFLA) annual meeting, (7/08), Orlando, FL

2008 Invited Speaker: Laboratory and Diagnostic Procedures in Medical Clinics. National Institute of Family and Life Advocates (NIFLA) annual meeting, (7/08), Orlando, FL

2009 Invited Speaker: Perinatal Hospice: comprehensive care for families with lethal prenatal diagnosis. Annual Matthew Bulfin Mid-winter meeting of American Association of Pro-Life Obstetricians and Gynecologists, (1/09), Ft Lauderdale, FL.

2009 Invited Speaker: Induced Abortion and Subsequent Preterm Delivery: Whisper of Association or Cry of Causation? American College of Obstetricians and Gynecologists 59th Annual Meeting (5/09), Washington, DC (Special Interest Group Speaker for American Association of Pro-Life Obstetricians and Gynecologists).

2009 Invited Speaker: Perinatal Hospice: comprehensive care for families with lethal prenatal diagnosis. Lancaster General Hospital, (4/09), Lancaster, PA.

2009 Invited Speaker: How biotechnology, medicine, and ethics affect the natural family. World Congress of Families V, (8/09), Amsterdam, Holland.

2009 Invited Speaker: Perinatal Hospice: comprehensive care for families with lethal prenatal diagnosis. 78th Annual Conference of Catholic Medical Association, (10/09), Springfield, IL.

2010 Invited Judge: Madigan Army Medical Center 13th Annual Resident Research Day. 30 April 2010, Tacoma, Washington.

2010 Invited Speaker: Perinatal Hospice: comprehensive care for families with lethal prenatal diagnosis. 55th Annual Meeting of American College of Nurse-Midwives, 15 June 2010, Washington, DC.

2011 Invited Speaker: Perinatal Hospice: Pontifical Academy for Life. 25 February 11, Rome, Italy.

2011 Invited Speaker: Perinatal Hospice. Cedarville University, Cedarville, OH, 8 April 2011.

2011 Invited Speaker: The Elephant in the Room, West Virginia Drug Endangered Children's Conference, Charleston, WV, 10-11 August 11.

2011 Invited Speaker: Clinical Parameters of Difficult Cases in Pregnancy, 80th Annual Conference of Catholic Medical Association, Phoenix, AZ, 8 October 2011.

2011 Invited Speaker: 11-15 November 2011. Gestational Diabetes Update. The 54th Gynecology and Obstetrics Brazilian Congress (CBGO) and *Association of Gynecology and Obstetrics Brazilian Societies (FEBRASGO)*, Curitiba – Paraná, Brazil

2011 Invited Speaker: 11-15 November 2011. Transvaginal Ultrasound: Cerclage or Progesterone? The 54th Gynecology and Obstetrics Brazilian Congress (CBGO) and *Association of Gynecology and Obstetrics Brazilian Societies (FEBRASGO)*, Curitiba – Paraná, Brazil

2011 Invited Speaker: The Elephant in the Room, West Virginia Children’s Justice Task Force, Charleston, WV, 16-17 November 11.

2012 Invited Speaker: The Elephant in the Room. West Virginia Substance Abuse Outreach, 30 March, 2012, Tamarack, WV.

2012 Invited Speaker: International Symposium on Maternal Health: High Risk Obstetrics: Managing the challenges: the role of the maternal/foetal specialist, Dublin, Ireland, 8 September 2012

2012 Invited Speaker: Perinatal Hospice, Dublin, Ireland, 8 September 2012

2013 Invited Speaker: Obstetrical Trauma, West Virginia 2013 Trauma Symposium, Stonewall Resort, WV, 7 February 2013.

2013 Invited Speaker: Limited Obstetrical Ultrasound: Important Concepts, 4th Annual Junior Fellows OB/GYN Symposium, Stonewall Resort, WV, 20 April 2013.

2013 Invited Speaker: Research into Therapeutic Treatments for Trisomy 21 and Other Genetic Intellectual Disabilities. Managing an Unexpected Prenatal Diagnosis: Critical Considerations for Counselors, Clinicians, and Friends. The Center for Bioethics & Human Dignity, Trinity International University, Deerfield, IL, July 18, 2013,

2013 Invited Consultant in Maternal-Fetal Medicine, Republic of Macedonia, 20-30 September 2013.

2014 Invited Speaker: American College of Obstetricians and Gynecologists 64th Annual Meeting. Clinical seminar: Impact of Smoking in Women and Role of Smoking Cessation Activities. Chicago, IL. (4/2014)

2014 Invited Speaker: Department of Emergency Medicine, Charleston Area Medical Center: Ectopic Pregnancy, Charleston, WV, (9/2014)

2015 Invited Speaker: University of Toronto, Canada: Fetus as a Patient, Toronto, Canada. (3/2015)

2015 Invited Speaker: McGill University, Hamilton, Ontario, Canada: Fetus as a Patient. (3/2015)

2015 Invited Speaker: Texas A&M, College Station, TX: Perinatal Hospice. (3/2015)

2015 Invited Speaker: Drug Affected Mother and Baby Conference, “Are you listening? Therapeutic treatment for substance use disorder patients”, Charleston, WV. (10/2015)

2016 Invited Speaker: Matthew Bulfin Educational Conference: “Healthy Management of Very Early Adolescent Pregnancy”, Houston, TX. (2/20/16)

2016 Invited Speaker. 2016 Junior Fellows OB/GYN Symposium: “Progesterone and /or Cerclage for Preterm Birth”, Stonewall Resort, WV. (4/23/16)

2016 Invited Speaker. Pacific Northwest University of Health Sciences:” Perinatal Hospice: What it means to do no harm-Medical ethics and anomalous pregnancies”, Yakima, WA. (5/4/16)

Other Certifications:

BLS 2016

ACLS 2016

American Medical Association Physician Award for Continuing Medical education 2015-18