

Imseis Declaration

Exhibit A

HYTHAM MANUEL IMSEIS, MD

Curriculum Vitae

OFFICE ADDRESS Presbyterian Maternal and Fetal Medicine Associates
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Charlotte, North Carolina 28204-3193

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Charlotte, North Carolina 28277-2801
Phone: (704) 752-3763
E-mail: imseis@gmail.com

DATE OF BIRTH August 9, 1967

CITIZENSHIP USA

MARITAL STATUS Married
June 3, 1995

SPOUSE Susan Elizabeth (Harrington) Imseis

CHILDREN Allison Brooke Imseis
August 9, 2005

Zachary Harrington Imseis
November 28, 2000

EMPLOYMENT Private Practice
Presbyterian Hospital
Presbyterian Novant Medical Group
Maternal & Fetal Medicine Associates
Charlotte, North Carolina
August 2007 – present

Maternal-Fetal Medicine Faculty
Mountain Area Health Education Center
Department of Obstetrics & Gynecology
Asheville, North Carolina
August 1997 – August 2007

Residency Director
Mountain Area Health Education Center
Department of Obstetrics & Gynecology
Asheville, North Carolina
July 2003 – August 2007

Director of Fetal Ultrasound
Regional OB/GYN Specialists, Mountain Area Health
Education Center and Mission Hospital
Asheville, North Carolina
July 1998 – August 2007

APPOINTMENTS

Department of Obstetrics & Gynecology
Wake Forest University School of Medicine
Winston-Salem, North Carolina
Associate Professor
June 2009 – present

Department of Obstetrics & Gynecology
University of North Carolina School of Medicine
Chapel Hill, North Carolina
Associate Professor
July 1998 – August 2007

EDUCATION

Fellowship

Ohio State University College of Medicine
Columbus, Ohio
Fellowship in Maternal-Fetal Medicine
July 1995 – June 1997

Residency

Duke University Medical Center
Durham, North Carolina
Residency in Obstetrics and Gynecology
July 1991 – June 1995

Medical School

Louisiana State University School of Medicine
New Orleans, Louisiana
Doctor of Medicine
August 1987 – May 1991

Undergraduate

Tulane University
New Orleans, Louisiana
Bachelor of Science in Biology
Summa cum laude with Departmental Honors
August 1984 – May 1987

HONORS and AWARDS

Postgraduate

Outstanding Faculty Teaching Award — 2006
Department of Family Medicine

National Faculty Award for Excellence in Resident Education — 2005
Council on Resident Education in Obstetrics & Gynecology
(CREOG)

APGO/Solvay Educational Scholar — 2003
American Professors of Gynecology & Obstetrics (APGO)

National Faculty Award for Excellence in Resident Education — 2002
Council on Resident Education in Obstetrics & Gynecology
(CREOG)

ACOG District IV Special Projects Award — 2000
Grant for the prospective randomized study of pelvic muscle
exercises following parturition utilizing neurophysiologic and
kinesiologic evaluation (Co-investigator)

Outstanding Faculty Teaching Award — 1999
Department of Obstetrics & Gynecology

Outstanding Faculty Teaching Award — 1999
Department of Family Medicine

Excellence in Teaching Award — 1998
American Professors of Gynecology & Obstetrics (APGO)

Fellowship

Young Investigator Travel Award — 1996
International Society for the Study of Hypertension in
Pregnancy

Bremer Foundation Grant — 1995
Grant for the study of the microbiologic effect of digital
cervical examination (Primary investigator)

Residency

Administrative Chief Resident
Residency Entertainment Director

Medical School

Alpha Omega Alpha

Undergraduate

Phi Beta Kappa
Deans' Honor Scholarship

COMMITTEES

Women's Executive Board
Presbyterian Hospital
Charlotte, North Carolina
Member
March 2010 – present

Ethics Committee
Presbyterian Hospital
Charlotte, North Carolina
Member
February 2010 – present

Committee for Obstetrical Care of the
Underserved Population
Presbyterian Hospital
Charlotte, North Carolina
Member
August 2008 – present

North Carolina 17-P Advisory Board
University of North Carolina
Center for Maternal & Infant Health
Member
June 2006 – August 2007

Ethics Steering Committee
Mission Health System
Asheville, North Carolina
Member
January 2006 – August 2007

Ethics Committee
Mission Health System
Asheville, North Carolina
Member
December 2004 – August 2007

Fetal Alcohol Identification and Treatment Team
The Fullerton Genetics Center
Mission Health System
Asheville, North Carolina
Member
November 2004 – November 2005

Institutional Review Board
Mission Health System
Asheville, North Carolina

Chairman
April 2003 – August 2007

Institutional Review Board
Mission Health System
Asheville, North Carolina
Member
October 2000 – April 2003

Curriculum Committee
Mountain Area Health Education Center
Obstetrics & Gynecology Residency Program
Asheville, North Carolina
Member
July 1998 – August 2007

Resident Progress & Evaluation Committee
Mountain Area Health Education Center
Obstetrics & Gynecology Residency Program
Asheville, North Carolina
Member
July 1998 – June 2003

Birth Spectrum of Care: Prematurity Prevention Program
Perinatal Management Committee
Mission St. Joseph's Health System
Asheville, North Carolina
Physician Co-Chair
January 1998 – December 2002

Antepartum Collaborative Practice Team
Mission St. Joseph's Health System
Asheville, North Carolina
Member
July 1997 – August 2007

PROFESSIONAL SERVICE

CREOG & APGO Annual Meeting
Oral Abstract Judge
March 2006

CREOG & APGO Annual Meeting
Poster Judge
March 2005

Centers for Disease Control and Prevention
National Center for Chronic Disease Prevention & Health

Promotion
Office of Extramural Research
Special Emphasis Panel for Program Announcement RFA
DP05-010 Reproductive Health Research: Preterm
Delivery
Panelist/Grant Reviewer
Atlanta, Georgia
January 2005

Diagnostic Medical Sonography Program
Asheville-Buncombe Technical Community College
Obstetrical Advisor
Asheville, North Carolina
September 2004 – August 2007

Pregnancy Exposure Riskline
North Carolina Teratogen Information Service
The Fullerton Genetics Center
Mission Health System
Medical Advisor
Asheville, North Carolina
August 2003 – August 2007

SEMINARS ORGANIZED

Risk Reduction and Patient Safety in Obstetrics
Course Director
Postgraduate Course
American College of Obstetricians and Gynecologists
57th Annual Clinical Meeting
May 2009

OB/GYN Update on Genetics
Course Director
Presbyterian Hospital
March 2009

Risk Reduction in Obstetrics
Course Director
Presbyterian Hospital
November 2008

Risk Reduction in Obstetrics
Course Director
Postgraduate Course
American College of Obstetricians and Gynecologists
56th Annual Clinical Meeting
May 2008

Risk Reduction in Obstetrics

Course Director

Postgraduate Course

American College of Obstetricians and Gynecologists

55th Annual Clinical Meeting

May 2007

*Methadone Trends and Treatment: Pregnancy
and Newborns*

Course Director

Mountain Area Health Education Center

November 2006

Challenges in OB/GYN Ultrasound

Course Director

Mountain Area Health Education Center

November 2006

Monthly Multidisciplinary Fetal Board Conference

Course Director

Memorial Mission Hospital

Ongoing

*The 9th Annual Teaching Conference in
Women's Health Issues*

Course Co-Director

Mountain Area Health Education Center

April 2006

Challenges in OB/GYN Ultrasound

Course Director

Mountain Area Health Education Center

October 2002

*Western North Carolina Clinical Research Symposium
IRB 101: Protection of Human Subjects*

Course Director

Mountain Area Health Education Center

October 2001

Fetal Ultrasound Update

Course Director

Mountain Area Health Education Center

March 2001

Fetal Echocardiography and Fetal Anomalies Conference

Course Co-Director
Mountain Area Health Education Center
May 2000

EDITORIAL CONSULTATION

Editorial Board

Mecklenburg Medical Journal, 2009 – present

Manuscript Reviewer

American Journal of Obstetrics & Gynecology, 1996 – present

Ultrasound in Obstetrics and Gynecology, 2008 – present

Abstract Reviewer

24th Annual Meeting of the Society for Maternal-Fetal Medicine — 2003

23rd Annual Meeting of the Society for Maternal-Fetal Medicine — 2002

22nd Annual Meeting of the Society for Maternal-Fetal Medicine — 2001

CERTIFICATION

Board Certified in Maternal-Fetal Medicine — April 12, 2000

Board Certified in Obstetrics and Gynecology — November 20, 1998

National Board of Medical Examiners — January 1992

LICENSURE

North Carolina License

Issued March 22, 1997

No. 97-00291

Ohio License

Issued May 12, 1995

No. 35-06-8446

PROFESSIONAL MEMBERSHIPS

Society for Maternal-Fetal Medicine, Member

American College of Obstetricians and Gynecologists, Fellow

International Society of Ultrasound in Obstetrics and Gynecology, Member

American Institute of Ultrasound in Medicine, Member

Society of Diagnostic Medical Sonography, Member

F. Bayard Carter Society of Obstetricians and Gynecologists, Member

North Carolina Obstetrical and Gynecological Society, Member

Southern Obstetrical and Gynecologic Society, Member

Mecklenburg County Medical Society, Member

North Carolina Medical Society, Member

American Medical Association, Member

PEER-REVIEWED PUBLICATIONS

Imseis H, Galvin S. Faculty and resident preference for two different forms of lecture evaluation *American Journal of Obstetrics and Gynecology* 2004, 191:1815-21.

Harkness C, Serfas D, **Imseis H**. L-transposition of the great arteries presenting as severe pre-eclampsia in a twin pregnancy. *Obstetrics &*

Gynecology 1999, 94:851.

Imseis H, Trout W, Gabbe S. The microbiologic effect of digital cervical examination. *American Journal of Obstetrics and Gynecology* 1999, 180:578-580.

Imseis H, Murtha A, Alexander K, Barnett B. Spontaneous rupture of a primigravid uterus secondary to placenta percreta: A case report. *The Journal of Reproductive Medicine* 1998, 43:233-236.

Imseis H, Iams J. Identifying twin gestations at low risk for preterm birth with a transvaginal sonographic cervical measurement at 24-26 weeks gestation. *American Journal of Obstetrics and Gynecology* 1997, 177:1149-1155.

Imseis H, Zimmerman P, Samuels P, Kniss D. Tumour necrosis factor- α induces cyclooxygenase-2 gene expression in first-trimester trophoblasts: Suppression by glucocorticoids and NSAIDs. *Placenta* 1997, 18:521-526.

Imseis H, Greig P, Livengood C, Shunior E, Durda P, Erikson M. Characterization of the inflammatory cytokines in the vagina during pregnancy, labor, and with bacterial vaginosis. *Journal of the Society for Gynecologic Investigation* 1997, 4: 90-94.

Imseis H, Iams J. Glucocorticoid use in patients with preterm premature rupture of the fetal membranes. *Seminars in Perinatology* 1996, 20: 439-50.

Imseis H. Oncogene analysis of the Lucké carcinoma and of early development in *Rana pipiens*. *An Honors Thesis*. Tulane University. May 1987. 71 pp.

ELECTRONIC PUBLICATIONS

Imseis, H. Editor, *Normal Obstetrics: Preconceptional Care*. APGO Medical Student Educational Objectives, 7th Edition. Association of Professors of Gynecology and Obstetrics (APGO) Web site, <http://www.apgo.org/members/index.cfm/cat/for%20educators.htm>, May 2003.

Imseis, H. Editor, *Normal Obstetrics: Antepartum Care*. APGO Medical Student Educational Objectives, 7th Edition. Association of Professors of Gynecology and Obstetrics (APGO) Web site, <http://www.apgo.org/members/index.cfm/cat/for%20educators.htm>, May 2003.

Jeanty P, **Imseis H**. A case of ultrasonographically detected fetal annular pancreas. www.thefetus.net July 9-23, 1999.

PUBLISHED ABSTRACTS

Sutherland S, Moran C, Westling W, Gleim G, **Imseis H**, Brannan W. Preterm Prevention Program: Evaluation of a Community Effort Using Propensity Scores. *American Journal of Epidemiology* 2002, 155: S46.

Imseis H, Trout W, Gabbe S. The microbiologic effect of digital cervical examination in patients with ruptured fetal membranes. *American Journal of Obstetrics and Gynecology* 1998, 178: S200.

Imseis H, Iams J. Identifying twin gestations at low risk for preterm delivery with a single transvaginal sonographic measurement. *American Journal of Obstetrics and Gynecology* 1997, 176: S6.

Imseis H, Landon M, Smith K, Hissrich S, Gabbe S. The influence of insulin-dependent diabetes and the degree of glycemic control on second trimester triple screen markers. *American Journal of Obstetrics and Gynecology* 1997, 176: S178.

Greig P, **Imseis H**, Livengood C. Characterization of IL-1 β , IL-6, and TNF- α in the vagina during pregnancy. *Cytokine* 1994, 6: 546.

Imseis H, Mizell M, Ranier J, Hofmann L. 1987. Oncogene analysis of the Lucké carcinoma and of early embryonic development in *Rana pipiens*. *American Zoologist* 1987, 27: 144A.

ORAL PRESENTATIONS

Imseis H, Coulson C, Galvin S. Defining professionalism: I know it when I see it. CREOG & APGO Annual Meeting, Salt Lake City, Utah, March 2007. Received 2nd place award for best overall oral presentation.

Moore R, **Imseis H**, Galvin S. Data mining: Fishy research. North Carolina Obstetrical and Gynecological Society, Greensboro, North Carolina, May 2006. (Winner of Resident Research Award)

Imseis H, Citron S, Galvin S. Resident acceptability of a newly implemented 360° peer evaluation process. CREOG & APGO Annual Meeting, Salt Lake City, Utah, March 2005.

Imseis H, Iams J. Identifying twin gestations at low risk for preterm delivery with a single transvaginal sonographic measurement. 17th Annual Meeting of the Society of Perinatal Obstetricians, Anaheim, California, January 1997.

Imseis H, Zimmerman P, Samuels P, Kniss D. Dexamethasone inhibits tumor necrosis factor- α mediated induction of cyclooxygenase-2 in human first-trimester trophoblast cells. 10th World Congress of the International Society for the Study of Hypertension in Pregnancy, Seattle, Washington, August 1996.

Imseis H. Characterization of the inflammatory cytokines in the vagina during pregnancy. North Carolina Obstetrical and Gynecologic Society, Asheville, North Carolina, May 1995.

Imseis H. Oncogene analysis of the Lucké carcinoma and of early development in *Rana pipiens*. American Society of Zoologists, New Orleans, Louisiana, December 1987.

POSTER PRESENTATIONS

Mitchell M, Galvin S, Major J, Furiguay P, Coulson C, Imseis H. Gastroschisis: A 15-year descriptive study. ACOG District IV Annual Meeting, Orlando, Florida, September 2008.

Galvin S, Coulson C, **Imseis H**. "Effects of a targeted resident-created study guide on CREOG examination scores. CREOG & APGO Annual Meeting, Orlando, Florida, March 2008.

Galvin S, Helms E, **Imseis H**, Coulson C. "Appropriate weight gain during pregnancy." Progress across North Carolina perinatal regions. 7th Annual Women's Health Research Day, Center for Women's Health Research, University of North Carolina, Chapel Hill, April 2006.

Imseis H, Galvin S, Lawrence H. How well do residency training experiences correlate with those of practicing OB/GYNs? CREOG & APGO Annual Meeting, Orlando, Florida, March 2006.

Imseis H, Galvin S. Faculty and resident preference for two different forms of lecture evaluation. CREOG & APGO Annual Meeting, Lake Buena Vista, Florida, March 2004.

Theofrastous J, Luck A, **Imseis H**, Coulson C, Galvin S. Randomized Trial of the Impact of Postpartum Biofeedback Therapy on Pelvic Floor Muscle Activity. Annual Meeting of the American Urogynecologic Society, Hollywood, Florida, September 2003.

Sutherland S, Moran C, Westling W, Gleim G, **Imseis H**, Brannan W. Preterm Prevention Program: Evaluation of a Community Effort Using Propensity Scores. Society for Epidemiologic Research Meeting, Palm Desert, California, June 2002.

Moran C, **Imseis H**, Brannan W. A community-wide prematurity prevention program. National Perinatal Association Annual Clinical Conference, Charlotte, North Carolina, November 2000.

Galvin S, Sailer M, Forest A, **Imseis H**. Client improvement and birth outcomes in a perinatal substance abuse program. 11th Annual Meeting of the American Psychological Society, Washington, D. C., June 1999.

Imseis H, Trout W, Gabbe S. The microbiologic effect of digital cervical examination in patients with ruptured fetal membranes. 18th Annual Meeting of the Society of Perinatal Obstetricians, Miami, Florida, February 1998.

Imseis H, Zimmerman P, Kniss D. Constitutive activation of NF- κ B in ED₂₇ trophoblast cells. 44th Annual Meeting of the Society of Gynecologic Investigation, San Diego, California, March 1997.

Imseis H, Landon M, Smith K, Hissrich S, Gabbe S. The influence of insulin-dependent diabetes and the degree of glycemic control on second trimester triple screen markers. 17th Annual Meeting of the Society of Perinatal Obstetricians, Anaheim, California, January 1997.

Greig P, **Imseis H**, Livengood C, Durda P. Interleukin-8 is present in the vagina during pregnancy with levels that correlate with vaginal neutrophil counts. 1995 Annual Meeting and Symposium of the Infectious Diseases Society for Obstetrics and Gynecology, Traverse City, Michigan, August 1995.

Greig P, **Imseis H**, Livengood C. Characterization of IL-1 β , IL-6, and TNF- α in the vagina during pregnancy. 2nd International Cytokine Conference, Banff, Alberta, Canada, October 1994.

TEXTBOOK CONTRIBUTIONS

Contributed fetal ultrasound images to *Langman's Medical Embryology*, Ninth Edition. Ed. T. W. Sadler. Lippincott Williams & Wilkins, New York, 2003.

INVITED LECTURES

Oh @\$% she's pregnant! Inadvertent medical exposures in pregnancy. Internal Medicine Grand Rounds at Presbyterian Hospital, Charlotte, North Carolina, May 2009.

Full day review of obstetrical and medical complications of pregnancy.

ExamPro OB/GYN Board Review Course, Baltimore, Maryland, May 2009.

The practice of obstetrics in a risk-averse culture. Postgraduate course entitled “Risk Reduction and Patient Safety in Obstetrics,” American College of Obstetricians and Gynecologists Annual Clinical Meeting, Chicago, Illinois, May 2009.

Shoulder dystocia. Postgraduate course entitled “Risk Reduction and Patient Safety in Obstetrics,” American College of Obstetricians and Gynecologists Annual Clinical Meeting, Chicago, Illinois, May 2009.

Operative vaginal delivery. Postgraduate course entitled “Risk Reduction and Patient Safety in Obstetrics,” American College of Obstetricians and Gynecologists Annual Clinical Meeting, Chicago, Illinois, May 2009.

A womb with a view! Let’s look inside. Obstetrical ultrasound. Annual OB/GYN Update, Presbyterian Hospital, Charlotte, North Carolina, March 2009.

The practice of obstetrics in a risk-averse culture. Annual OB/GYN Update, Presbyterian Hospital, Charlotte, North Carolina, March 2009.

Opiate dependence and addiction in pregnancy. OB/GYN Grand Rounds at Presbyterian Hospital, Charlotte, North Carolina, February 2009.

Psychiatric drugs in pregnancy: What do we do about SSRI’s? 4th Annual Maternal-Neonatal Symposium. Annual OB/GYN Update. Charlotte Area Health Education Center, Charlotte, North Carolina, December 2008.

Diabetes in pregnancy. America’s OB/GYN Board Review Course, Charlotte, North Carolina, October 2008.

Preconceptional care. America’s OB/GYN Board Review Course, Charlotte, North Carolina, October 2008.

The antenatal detection of Down syndrome. America’s OB/GYN Board Review Course, Charlotte, North Carolina, October 2008.

The antenatal detection of neural tube defects. America’s OB/GYN Board Review Course, Charlotte, North Carolina, October 2008.

Obstetrical ultrasound. America’s OB/GYN Board Review Course, Charlotte, North Carolina, October 2008.

Diseases, drugs and exposures in pregnancy. 17th Annual Review of Obstetrics and Gynecology, Orlando, Florida, October 2008.

Cardiac disease in pregnancy. 17th Annual Review of Obstetrics and Gynecology, Orlando, Florida, October 2008.

Operative vaginal delivery. 17th Annual Review of Obstetrics and Gynecology, Orlando, Florida, October 2008.

Fetal monitoring: Intrapartum and antepartum fetal evaluation. 17th Annual Review of Obstetrics and Gynecology, Orlando, Florida, October 2008.

Cardiac disease in pregnancy. Columbus Comprehensive Review, Columbus, Ohio, September 2008.

Operative vaginal delivery. Columbus Comprehensive Review, Columbus, Ohio, September 2008.

Shoulder dystocia. Columbus Comprehensive Review, Columbus, Ohio, September 2008.

Diseases, drugs and exposures in pregnancy. Columbus Comprehensive Review, Columbus, Ohio, September 2008.

Fetal monitoring: Intrapartum and antepartum fetal evaluation, Columbus Comprehensive Review, Columbus, Ohio, September 2008.

Opiate dependence and addiction in pregnancy. OB/GYN Grand Rounds at Presbyterian Hospital, Charlotte, North Carolina, September 2008.

Shoulder dystocia. Perinatal Conference. Health Management Associates Hospital System, Dallas, Texas. September 2008.

Operative vaginal delivery. Perinatal Conference. Health Management Associates Hospital System, Dallas, Texas. September 2008.

Is the Cesarean delivery rate excessive? Perinatal Conference. Health Management Associates Hospital System, Dallas, Texas. September 2008.

Cervical ripening. Perinatal Conference. Health Management Associates Hospital System, Dallas, Texas. September 2008.

Reducing the risk of intrapartum oxytocin use. Perinatal Conference. Health Management Associates Hospital System, Dallas, Texas. September 2008.

The evolution of obstetrics in a risk-averse culture. Perinatal Conference. Health Management Associates Hospital System, Dallas, Texas. September 2008.

Obstetrical emergencies. ExamPro OB/GYN Board Review Course, Baltimore, Maryland, September 2008.

Diabetes in pregnancy. ExamPro OB/GYN Board Review Course, Baltimore, Maryland, September 2008.

A practical approach to viral infections in pregnancy: CMV, Parvovirus, and Varicella. OB/GYN Grand Rounds at Presbyterian Hospital, Charlotte, North Carolina, September 2008.

Medical futility in Maternal-Fetal Medicine. Multidisciplinary course entitled Medical Futility: A Kaleidoscope of Ethical Issues, Mountain Area Health Education Center, Asheville, North Carolina, September 2008.

Maternal and fetal implications of viral infections in pregnancy: CMV, Parvovirus, and Varicella. Pediatric Grand Rounds at Presbyterian Hospital, Charlotte, North Carolina, June 2008.

Comprehensive Review of Obstetrics. A 6 hour review course conducted at the Lincoln Medical Center Department of Obstetrics and Gynecology, Bronx, New York, June 2008.

The practice of obstetrics in a risk-averse culture. Postgraduate course entitled "Risk Reduction in Obstetrics," American College of Obstetricians and Gynecologists Annual Clinical Meeting, New Orleans, Louisiana, May 2008.

Shoulder dystocia. Postgraduate course entitled "Risk Reduction in Obstetrics," American College of Obstetricians and Gynecologists Annual Clinical Meeting, New Orleans, Louisiana, May 2008.

Operative vaginal delivery. Postgraduate course entitled "Risk Reduction in Obstetrics," American College of Obstetricians and Gynecologists Annual Clinical Meeting, New Orleans, Louisiana, May 2008.

Psychiatric drugs in pregnancy: What do we do about SSRI's? OB/GYN Grand Rounds at Presbyterian Hospital, Charlotte, North Carolina, February 2008.

Pitocin Management in the Obstetrical Patient. Grand Rounds at Presbyterian Hospital, Charlotte, North Carolina, October 2007.

Diseases, drugs and exposures in pregnancy. 16th Annual Review of Obstetrics and Gynecology, Orlando, Florida, October 2007.

Operative vaginal delivery. 16th Annual Review of Obstetrics and Gynecology, Orlando, Florida, October 2007.

Fetal monitoring: Intrapartum and antepartum fetal evaluation. 16th Annual Review of Obstetrics and Gynecology, Orlando, Florida, October 2007.

Diseases, drugs and exposures in pregnancy. Columbus Comprehensive Review, Columbus, Ohio, September 2007.

Operative vaginal delivery. Columbus Comprehensive Review, Columbus, Ohio, September 2007.

Cardiac disease in pregnancy. Columbus Comprehensive Review, Columbus, Ohio, September 2007.

Fetal monitoring: Intrapartum and antepartum fetal evaluation, Columbus Comprehensive Review, Columbus, Ohio, September 2007.

The practice of obstetrics in a risk-averse culture. Postgraduate course entitled "Risk Reduction in Obstetrics," American College of Obstetricians and Gynecologists Annual Clinical Meeting, San Diego, California, May 2007.

Shoulder dystocia. Postgraduate course entitled "Risk Reduction in Obstetrics," American College of Obstetricians and Gynecologists Annual Clinical Meeting, San Diego, California, May 2007.

Operative vaginal delivery. Postgraduate course entitled "Risk Reduction in Obstetrics," American College of Obstetricians and Gynecologists Annual Clinical Meeting, San Diego, California, May 2007.

A practical approach to viral infections in pregnancy: CMV, Parvovirus, and Varicella. Annual Meeting of the North Carolina Obstetrical and Gynecological Society, Asheville, North Carolina, April 2007.

Methadone maintenance in pregnancy: The obstetrician's perspective. Course entitled "Methadone Trends and Treatment: Pregnancy and Newborn," Mountain Area Health Education Center, Asheville, North Carolina, November 2006.

Shoulder dystocia. 15th Annual Review of Obstetrics and Gynecology, Orlando, Florida, October 2006.

Operative vaginal delivery. 15th Annual Review of Obstetrics and Gynecology, Orlando, Florida, October 2006.

Diseases, drugs and exposures in pregnancy. 15th Annual Review of Obstetrics and Gynecology, Orlando, Florida, October 2006.

Opiate dependence and addiction in pregnancy. Annual NICU Clinical Update, Mission Hospitals, Asheville, North Carolina, January, April, July and October 2006.

Psychiatric drugs in pregnancy: What do we do about SSRI's? Course entitled "Psychiatric Drugs in Pregnancy and Lactation," Pardee Hospital, Hendersonville, North Carolina, October 2006.

Diseases, drugs and exposures in pregnancy. Columbus Comprehensive Review, Columbus, Ohio, October 2006.

Cardiac disease in pregnancy. Columbus Comprehensive Review, Columbus, Ohio, October 2006.

Fetal monitoring: Intrapartum and antepartum fetal evaluation. Columbus Comprehensive Review, Columbus, Ohio, October 2006.

Ethical issues at the beginning of life. 11th Annual Ethics Conference: Applied Clinical Ethics, Mountain Area Health Education Center, Asheville, North Carolina, September 2006.

The evolution of obstetrics in a risk-averse culture. 2006 Women's Health Symposium: Obstetric Update, Mountain Area Health Education Center, Asheville, North Carolina, March 2006.

The evolution of obstetrics in a risk-averse culture. 9th Annual Teaching Conference in Women's health Issues, Asheville, North Carolina, March 2006.

Methamphetamine use and other substance use in pregnancy. 23rd Annual Gravidas at Risk Conference, Wake Forest University School of Medicine, Hickory, North Carolina, November 2005.

The evolution of obstetrics in a risk-averse culture. Grand Rounds at Transylvania Community Hospital, Brevard, North Carolina, October 2005.

Diseases, drugs and exposures in pregnancy. Columbus Comprehensive Review. Columbus, Ohio, September 2005.

Fetal monitoring: Intrapartum and antepartum fetal evaluation. Columbus Comprehensive Review, Columbus, Ohio, September 2005.

The ultrasound diagnosis of structural fetal malformations. Annual Meeting of the North Carolina Birth Defects Monitoring Program, Asheville, North Carolina, August 2005.

Transvaginal ultrasound of the cervix. 24th Annual Ultrasound Symposium of the North Carolina Ultrasound Society, Charlotte, North Carolina, March 2005.

IUGR and macrosomia. 24th Annual Ultrasound Symposium of the North Carolina Ultrasound Society, Charlotte, North Carolina, March 2005.

Methamphetamine use in pregnancy. Symposium entitled "Methamphetamines: What You Need to Know," Mountain Area Health Education Center, Asheville, North Carolina, March 2005.

The prevention of preterm birth: Separating myths from reality. Grand Rounds at the Spruce Pine Community Hospital, Brevard, North Carolina, December 2004.

Diseases, drugs and exposures in pregnancy. Columbus Comprehensive Review, Columbus, Ohio, October 2004.

Fetal monitoring: Intrapartum and antepartum fetal evaluation. Columbus Comprehensive Review, Columbus, Ohio, October 2004.

Transvaginal ultrasound of the cervix. Society of Diagnostic Medical Sonography Annual Conference. New Orleans, Louisiana, October 2004.

IUGR and macrosomia. Society of Diagnostic Medical Sonography Annual Conference, New Orleans, Louisiana, October 2004.

The clinical science of fetal alcohol spectrum disorders. Panelist at UNC Bowles Center for Alcohol Studies Second Annual Symposium: Fetal Alcohol Spectrum Disorders—Research to Practice, Chapel Hill, North Carolina, September 2004.

The prevention of preterm birth: Separating myths from reality. Grand Rounds at the Transylvania Community Hospital, Brevard, North Carolina, June 2004.

Caring for mothers (and fetuses) when a tragic fetal prognosis is identified on ultrasound regardless of whether the mother keeps or ends the pregnancy. Panelist at a program entitled "Perinatal Hospice," Mission St. Joseph's Health System, May 2004.

The prevention of preterm birth: Separating myths from reality. Asheville Birth Conference, Asheville, North Carolina, April 2004.

Personifying the fetus: Why fetal and maternal rights are now in conflict. Asheville Chapter of the National Organization for Women meeting, Asheville North Carolina, March 2004.

Fetal complications in twin gestations. Course entitled "Year 2004 Obstetrics Update: Caring for Multiple Birth Families," Mountain Area Health Education Center, Asheville, North Carolina, March 2004.

Ultrasound-guided invasive procedures: CVS, Amniocentesis and PUBS. Grand Rounds at Harris Regional Hospital, Sylva, North Carolina, October 2003.

Drugs in pregnancy & lactation: Psychiatric medications and drugs of abuse. Two hour lecture track at the 16th Annual Addiction: Focus on Women Conference, Hendersonville, North Carolina, June 2002.

The detection of Down syndrome with ultrasound. Symposium entitled "Birth Defects: The Western North Carolina Experience," Asheville, North Carolina, May 2002.

The prenatal detection of cleft lip and palate. Symposium entitled "Birth Defects: The Western North Carolina Experience," Asheville, North Carolina, May 2002.

A practical approach to viral infections in pregnancy: CMV, Parvovirus, and Varicella Piedmont OB/GYN Society, Hickory, North Carolina, April 2002.

Drugs in pregnancy & lactation: Drugs of abuse & drugs for psychiatric diagnoses. Four hour lecture track at the North Carolina Winter School for Alcohol and Drug Studies, Montreat, North Carolina, February 2002.

Science and the art of childbirth Asheville Birth Conference, Asheville, North Carolina, January 2002.

How medicine & medical care are co-opted by fetal rights. Lecturer and panelist at Maternal-State Conflicts: Claims of Fetal Rights & the Well-being of Women & Families, Mt. Sinai Hospital, New York, New York, January 2002.

Maternal-fetal conflict: Ethical dilemmas in the care of pregnant women. Guest lecture in Medical Ethics course (Philosophy 309), University of North Carolina, Asheville, North Carolina, October 2001.

Psychiatric drugs and abused drugs in pregnancy. Substance Abuse Professional Quarterly Meeting, Blue Ridge Mental Health Center, Asheville, North Carolina, October 2001.

A practical approach to viral infections in pregnancy: CMV, Parvovirus, and Varicella. 5th Annual Meeting of the Lawrence Society of Obstetricians and Gynecologists, Asheville, North Carolina, September 2001.

A practical approach to viral infections in pregnancy: CMV, Parvovirus, and Varicella. 50th Annual Meeting of the F. Bayard Carter Society of Obstetricians and Gynecologists, Durham, North Carolina, November 2000.

IUGR: Are we overcalling the diagnosis? Luncheon conference at the 48th Annual Clinical Meeting of the American College of Obstetricians and Gynecologists, San Francisco, California, May 2000.

Preterm labor: Prediction and prevention. Luncheon conference at the 48th Annual Clinical Meeting of the American College of Obstetricians and Gynecologists, San Francisco, California, May 2000.

Substance abuse and pregnancy Annual Meeting of the Western North Carolina Public Health Association, Asheville, North Carolina, May 2000.

Depression and anxiety in pregnancy. Annual Meeting of the Western North Carolina Public Health Association, Asheville, North Carolina, May 2000.

Ultrasound evaluation of fetal renal abnormalities. Course entitled "Fetal Echocardiography and Fetal Anomalies Conference," Mountain Area Health Education Center, Asheville, North Carolina, May 2000.

Intrauterine growth restriction: Using the newest tools for fetal assessment. Course entitled "Fetal Echocardiography and Fetal Anomalies Conference," Mountain Area Health Education Center, Asheville, North Carolina, May 2000.

Substance abuse and pregnancy. Three hour lecture track at the 13th Annual Addiction: Focus on Women Conference, Hendersonville, North Carolina, June 1999.

Fetal fibronectin and salivary estriol. 1999 Annual Meeting of the North Carolina Obstetrical and Gynecologic Society, Asheville, North Carolina, May 1999.

The clinical utility of transvaginal ultrasound of the cervix. 44th Annual Meeting of the Southern Obstetrical and Gynecological Society, Asheville, North Carolina, July 1998.

Maternal cardiac disease in pregnancy. Course entitled "Care of the Critically Ill Obstetric Patient," Memorial Mission Hospital, Asheville, North

Carolina, May 1998.

The prevention of preterm premature rupture of membranes. Grand Rounds at Rutherford Hospital, Rutherfordton, North Carolina, November 1997.

The role of the cervix in preterm delivery. MAHEC Department of Obstetrics and Gynecology First Annual Teaching Conference on Women's Health Issues, Cashiers, North Carolina, September 1997.

Sonographic features of aneuploidy. Grand Rounds at Mount Carmel Medical Center, Department of Obstetrics and Gynecology, Columbus, Ohio, June 1997.

The prevention of preterm premature rupture of membranes. Grand Rounds at Union Hospital, Terre Haute, Indiana, May 1997.

Sexual activity during pregnancy. Grand Rounds at Ohio State University College of Medicine, Department of Obstetrics and Gynecology, Columbus, Ohio, April 1997.

Glucocorticoid use in preterm premature rupture of the fetal membranes. Grand Rounds at Ohio State University College of Medicine, Department of Obstetrics and Gynecology, Columbus, Ohio, June 1996.

Thromboembolic disease in pregnancy. Grand rounds at Duke University Medical Center, Department of Obstetrics and Gynecology, Durham, North Carolina, April 1995.