

Committee on Energy and Commerce
U.S. House of Representatives
Witness Disclosure Requirement - "Truth in Testimony"
Required by House Rule XI, Clause 2(g)(5)

| | | |
|--|-----|----------------|
| 1. Your Name: Anthony R. Gregg, MD, FACOG, FACMG | | |
| 2. Your Title: Professor Chief, Division of Maternal Fetal Medicine, University of Florida College of Medicine Director of Obstetrics, University of Florida Health | | |
| 3. The Entity(ies) You are Representing: American College of Medical Genetics and Genomics | | |
| 4. Are you testifying on behalf of the Federal, or a State or local government entity? | Yes | No X |
| 5. Please list any Federal grants or contracts, or contracts or payments originating with a foreign government, that you or the entity(ies) you represent have received on or after January 1, 2013. Only grants, contracts, or payments related to the subject matter of the hearing must be listed. a. National Coordinating Center (NCC) for Regional Genetic Service Collaboratives (HRSA) b. Newborn Screening Translational Research Network (NBSTRN) (NIH) c. Clinical Genome Resource Initiative (ClinGen) (NHGRI) | | |
| 6. Please attach your curriculum vitae to your completed disclosure form. | | |

Signature: 

Date: 12/7/15

Anthony Romaine Gregg, M.D., F.A.C.O.G., F.A.C.M.G.

CURRICULUM VITAE

ADDRESS:

University of Florida, College of Medicine
Department of Obstetrics and Gynecology
Division of Maternal Fetal Medicine

[REDACTED]
[REDACTED]
[REDACTED]

PERSONAL:

[REDACTED] [REDACTED]
[REDACTED] [REDACTED]
[REDACTED] [REDACTED]
[REDACTED] [REDACTED]

CURRENT POSITION:

B.L. Stalnaker Professor 6/2011 - Present
Chief, Division of Maternal-Fetal Medicine
Director, Obstetrics UF Health Shands Hospital
Director, Maternal-Fetal Medicine Fellowship Program
University of Florida, College of Medicine
Department of Obstetrics and Gynecology

PREVIOUS POSITIONS:

Clinical Instructor 1994-1996
Department of Obstetrics and Gynecology
Baylor College of Medicine
Houston, TX

Assistant Professor 1996-2004
Division of Maternal Fetal Medicine
Division of Reproductive Genetics
Department of Obstetrics and Gynecology
Baylor College of Medicine
Houston, TX

Assistant Professor 1996- 2004
Department of Molecular and Human Genetics
Baylor College of Medicine
Houston, TX

Adjunct Assistant Professor 2004 – 2005

Department of Molecular and Human Genetics
Baylor College of Medicine
Houston, TX

Associate Professor 2004 -2010
Director, Division of Maternal and Fetal Medicine
Medical Director, Division of Genetics
Medical Director, Genetics Counseling Program
Department of Obstetrics and Gynecology
University of South Carolina School of Medicine
Columbia, South Carolina

Associate Professor 2010 -2011
Director, Division of Maternal and Fetal Medicine
Medical Director, Division of Genetics
Medical Director, Genetics Counseling Program
Department of Obstetrics and Gynecology
University of South Carolina School of Medicine
Columbia, South Carolina
Tenure: June 2010

Adjunct Associate Professor 1/2010 - 2011
Department of Obstetrics and Gynecology
Medical University of South Carolina, Charleston

UNDERGRADUATE EDUCATION (BS):

Loyola University of Chicago 1978-1982
Magna cum Laude, Honors, B.S. Biology
Chicago, IL

MEDICAL EDUCATION (MD):

Loyola University Stritch School of Medicine 1982-1986
Maywood, IL

POSTGRADUATE MEDICAL TRAINING:

Residency- Obstetrics and Gynecology 1986-1990
Department of Obstetrics and Gynecology
Loyola University Foster McGaw Hospital

Fellow - Maternal Fetal Medicine 1990-1992
Department of Obstetrics and Gynecology
University of Iowa Hospitals and Clinics

Senior Fellow - Maternal Fetal Medicine 1992-1993
Department of Obstetrics and Gynecology
University of Iowa Hospitals and Clinics

Postdoctoral Fellow-Medical Genetics 1993-1996

Department of Molecular and Human Genetics
Baylor College of Medicine

GRADUATE EDUCATION (MBA):

**University of Florida Hough Graduate School of Business,
Executive MBA, (Graduation anticipated – April 2016)
Gainesville, FL**

2014 - Present

BOARD CERTIFICATIONS:

| | | |
|------------------|---|---------------------|
| Specialty: | American Board of Obstetrics and Gynecology | 12/12/1993 -Present |
| Subspecialty: | Maternal Fetal Medicine | 4/8/1998 - Present |
| Recertification: | Obstetrics and Gynecology | active -12/31/2020 |
| | Maternal-Fetal Medicine | active-12/31/2020 |
| Specialty: | American Board of Medical Genetics, Clinical Genetics | 9/17/1996 - Present |
| Recertification: | Clinical Genetics | 2005-2009 |
| | | 2010-2019 |

MEDICAL LICENSURE:

| <u>State</u> | <u>Number</u> | <u>Expiration</u> |
|--------------|---------------|-------------------|
| Florida | ME109874 | 1/31/2017 |
| Texas | J 6118 | 2/28/2016 |

AWARDS:

| | |
|--|-------------|
| Reproductive Scientist Development Program Award | 1994 - 1996 |
| Society for Maternal Fetal Medicine Award of Research Excellence | 1999 |
| Curtis Hankamer Basic Research Program Award, Baylor College of Medicine | 2003 |
| Heroes in the Field Palmetto Healthy Start/March of Dimes South Carolina | 2009 |
| University of Florida College of Medicine, Exemplary Teacher Award | 2015 |

EX-OFFICIO REVIEWER:

American Journal of Medical Genetics
Journal of the Society for Gynecologic Investigation
American Journal of Obstetrics and Gynecology
Journal of Reproductive Medicine Obstetrics and Gynecology
Circulation
Obstetrics and Gynecology
Fertility and Sterility
Prenatal Diagnosis
Genomics
Placenta
Gynecologic and Obstetric Investigation
Reproduction
Hypertension in Pregnancy
Journal of Assisted Reproduction and Genetics

CURRENT PROFESSIONAL SOCIETY MEMBERSHIP:

| | |
|--|----------------|
| Fellow, American College of Obstetrics & Gynecology | 1993 - Present |
| Fellow, American College of Medical Genetics and Genomics | 1997 - Present |
| Society for Gynecologic Investigation | 1996 - Present |
| Member, Perinatal Research Society | 1997- Present |
| American Institute of Ultrasound in Medicine | 1998 - Present |
| Regular Member, Society for Maternal Fetal Medicine | 1999 - Present |
| Member, Society for the Study of Reproduction | 2000 - Present |
| Member, American Association for Physician Leadership | 2010 - Present |
| Member, Alachua County Medical Society | 2013 - Present |
| Member, Association of Professors of Gynecology and Obstetrics | 2014 - Present |
| Regular Member, American Society of Human Genetics | 1994 - 2014 |

OFFICES/POSITIONS HELD ACADEMIC SOCIETIES:

| | |
|---|----------------|
| Perinatal Research Society Secretary - Treasurer | 2004 - 2009 |
| American College of Obstetricians and Gynecologists Chair, Committee on Genetics | 2006 - 2008 |
| American College of Obstetricians and Gynecologists Chair, Committee on Maternal Mortality | 2012 – Present |
| American College of Medical Genetics and Genomics Foundation | 2015- Present |
| Perinatal Research Society President Elect | 2015 – Present |

BOARD MEMBERSHIP

| | |
|--|---------------|
| American College of Medical Genetics and Genomics Board of Directors | 2009- 2013 |
| Clinical Vice President | 2013 - 2015 |
| American College of Medical Genetics and Genomics - Foundation Board of Directors Chair, Development Committee | 2015- Present |

RESEARCH SUPPORT – Active

- 1) Swift Family Foundation, Fund F019563
To support research in Novel targets for understanding the immune pathogenesis of pre-eclampsia
Award Amount: \$10,000
Role: PI
Project Period: 11/2014 – 10/2015

- 2) Convergent Engineering, Project Number 00123955
Investigating the Predictive Value of the Electrohysterogram in Preterm Labor
Award Amount: \$1,000; Indirect Costs: \$280
Role: PI
Co-PI: Tammy Euliano, M.D.
Project Period: 7/1/2015 – 7/31/2016

RESEARCH SUPPORT - Completed

- 1) Department of Health and Human Services - PHS - K12HD00849-07
Reproductive Scientists Development Program
PI: Robert B. Jaffe, MD
Role: Trainee
Direct Costs: \$55,000; Indirect Costs: \$11,706
Project Period: 1994-1996
- 2) NIH/NICHD - 1 RO3 HD34667-01
Role: PI
Laboratory: \$48,594; Indirect Costs: \$21,406
Project Period: 1996-1998
- 3) The Methodist Hospital Foundation
Role: PI
Total Amount: \$40,295
Project Period: 1998-1999
- 4) Preeclampsia Foundation
Role: PI
Total Amount: \$15,000
Project Period: 2001-2002
- 5) NIH/NICHD – 1 RO3 HD 43854-01
Role: Co-investigators: Anthony R. Gregg and Paul Overbeek
Direct Costs: \$100,000
Indirect (Baylor College of Medicine)
Total Amount Costs: \$25,250 per year
Project Period: 2003-2005
- 6) Curtis Hankamer Basic Research Program
(Intramural Funding: \$60,000 (30,000 each)
Role: PI
Project Period: 2003-2004
- 7) NIH/NICHD – R13HD036244-07
Perinatal Research Society
Role: PI
Total Amount: \$12,200
Project Period: 2005-2010
- 8) University of South Carolina - Small Grant Application
Interdisciplinary Conference on Pregnancy and the Health of Women and Children

Role: PI
Total Amount: \$25,000
Project Period: 2007

- 9) March of Dimes South Carolina Chapter
Online Web Conferencing for Rural Health Consultation
Role: Co- investigator
Total Amount: \$20,000
Project Period: 2010-2011
- 10) SC March of Dimes Community Award of Interdisciplinary Conference on Pregnancy and the Health of Women and Children Fall 2010 Research Retreat
Role: PI
Co-investigators – Jihong Liu, ScD, and Joshua Mann, MD, MPH
Total Amount: \$500
Project Period: 2010
- 11) NIH Center for Research in Nutrition and Health – R21HD061885-01A1
Promoting Healthy Weight in Pregnancy and Postpartum Among Overweight/Obese Women
Role: Co-Investigator (5% time)
Co- investigators: JiHong Lui, ScD and Sara Wilcox, Ph.D.
Total Amount: \$181,250 (1 year)
- 12) March of Dimes
Diabetes in Pregnancy Education Program
Total Amount: \$3,000
Role: PI
Project Period: Feb. 2012 – Feb. 2013
- 13) Convergent Engineering; R44 HD056606
Electrohysterogram-Based Sensor for Non-Invasive Contraction Monitoring with Improved Reliability
Direct Cost: \$21,253; Indirect Cost: \$9,883
Role: PI
Project Period: Sept. 26, 2011 – June 30, 2014

RESEARCH SERVICE:

| | |
|--|--------------|
| <i>National Institutes of Health (NIH/NICHD)</i> Special Emphasis Panel: ZHD1 DSR-H05 Health Disparity in Preterm Birth: The Role of Infectious and Inflammatory Processes | 8/7-8/2001 |
| <i>National Institutes of Health (NIH/NICHD)</i> Maternal Child Health: 2002/05 Council CHHD-B1, Ad-Hoc Reviewer | 3/12-13/2002 |
| <i>March of Dimes Birth Defects Foundation</i> Grants Review Committee A, Ad-Hoc Reviewer | 2/9-11/2003 |
| <i>National Institutes of Health (NIH/NICHD)</i> Special Emphasis Panel: ZHD1 MCHG-B 25 1 Research on the Scope and Cause of Stillbirth in the United States | 8/11-12/2003 |

National Institutes of Health (NIH/NICHD) 7/2003 – 7/2006
Obstetrics and Maternal-Fetal Biology Subcommittee
NCHD Initial Review Group

March of Dimes Birth Defects Foundation 2005-2010
Grants Review Committee A

National Institutes of Health (NIH/NICHD) 2006 - 2011
Genomics and Proteomics Network for Preterm Birth Research
Advisory Board – Chair

MULTI CENTER TRAIL PARTICIPATION:

- 1) Term Breech Trial (Canadian Institute of Health Research-sponsored)
Baylor College of Medicine
PI: Mary Hannah, MD University of Toronto
- 2) Twin Birth Study (Canadian Institute of Health Research-sponsored)
University of South Carolina School of Medicine
PI: Jon Barrett, MD University of Toronto
- 3) External Cephalic Version Trial-2 (Canadian Institute of Health Research-sponsored)
University of South Carolina School of Medicine
PI: Eileen Hutton, MD University of Toronto
- 4) DEEP Study (Industry-sponsored)
Glenveigh Research LLC, Protherics Pharmaceuticals
PI: David Adair, M.D.

MENTORED POSTDOCTORAL FELLOWS:

Clemens B. Tempfer, M.D. 5/1998 – 9/1999
University of Vienna, Vienna, Austria
Laboratory

Lukas A. Hefler, M.D. 9/1999 – 10/2000
University of Vienna, Vienna, Austria
Laboratory

Kathryn D. Davidson, M.D. 7/2012 – 6/2015
University of Florida
Maternal Fetal Medicine

Oluseyi Ogunelye, M.D. 7/2013 - present
University of Florida
Maternal Fetal Medicine

Anushka Chelliah, M.D. 7/2014 - present
University of Florida
Maternal Fetal Medicine

Jessica Jackson, MD 7/2015 - present
University of Florida
Maternal Fetal Medicine

NATIONAL SERVICE:

Health Education Research Services Administration

- Genetics Services Branch 11/21-24/2002
- Health Resources Services Administration /Maternal Child Health Bureau
- Challenges for the future: Newborn Screening State Policies and Procedures
- University of California, Los Angeles CA

Central Association of Obstetricians and Gynecologists

- Membership Committee 2001-2005

American College of Obstetricians and Gynecologists

- Chairman, Committee of Genetics 2006-2008
- Committee on Genetics 2003-2005
- Representative to the Advisory Committee on: 2005-2008
- Heritable Disorders and Genetic Diseases in Newborns and Children, Maternal Child Health Bureau Health Resources & Services Administration
- Liaison, American Academy of Pediatrics Committee on Genetics 2006-2008
- Liaison, Genetics and Public Policy Center, National Genetic Policy Summit 9/21-22/2006
- Liaison, American Academy of Family Physicians Role in Genomics: Strategic Plan for 2007-2208 5/31/2007
- Liaison, National Institutes of Health 3/9/2015
- Newborn Screening Research and Informed Consent

National Human Genome Research Institute

- Conference Planner and Small Group Leader - Population-Based Carrier Screening for Single Gene Disorders: Lessons Learned and New Opportunities 2/6-7/2008

American College of Medical Genetics and Genomics

- Board of Directors 2009 - 2015
- Clinical Vice President 2013 - 2015
- Practice Guidelines (PPG) Committee 2013 - 2015
- Evidence Task Force Committee 2013 - 2015
- Liaison to American College of Obstetricians and Gynecologists Committee on Genetics 2013 - Present

American College of Medical Genetics and Genomics- Foundation

- Foundation Development Committee 2013 - Present

STATE, DEPARTMENT, SCHOOL, and HOSPITAL COMMITTEES:

State

State of Florida:

- Regional Director, Regional Perinatal Intensive Care Centers 2011 - Present
- American College of Obstetricians and Gynecologists/ District XII
 - Chair, Maternal Mortality Committee 2013 – Present
- Florida Pregnancy Associated Maternal Mortality Review
 - Member 8/2012 - Present
 - Co- Chair 5/2013 - Present

State of South Carolina:

- Department of Health and Environmental Control Obstetrical Task Force 2005 – 2011
- Maternal Fetal Medicine Task Force 2009 -2011
- Carolina Birth Defects Program Advisory Council, Co-Chair: Data and Research Committee 2007 - 2011

South Carolina Medical Association:

- Maternal Infant Child Health Committee 2008
- Maternal Infant Child Health Co-Chair 2009 – 2011

Department

Obstetrics and Gynecology

- Resident Research Committee 2013 – Present
- Resident Program Evaluation Committee 2013 – Present

School

UF Health Shands Hospital at University of Florida

- Chair, Perinatal Care Committee 2011- Present
- Women’s Hospital Master Planning Committee 2011- Present
- UF Health Professional Practice Oversight Committee 10/2013- Present
- Surgical Safety Initiative Leadership Team 5/2014 – Present
- Co-Chair, Surgical Care Improvement Project Team 7/2014-Present
- Chair, Surgical Site Infection Team 1/2015 - Present

University of South Carolina

- Faculty Advisory Committee to the Provost 2007-2010
- Russell House (Student Union) Committee 2007-2010

University of South Carolina School of Medicine

- Dean Search Committee 2006-2007
- Pandemic Influenza Committee 2009-2010

Palmetto Health Richland Hospital

- Maternity Care Committee 2004-2011
- Intensive Care Unit Committee 2006-2008
- Blood Bank Utilization Committee 2008-2011
- Women’s Clinical Integration Committee 2010

Baylor College of Medicine

- Human Subjects Review Board 1998-2004

Community

- Hearts and Hands Forever Walk to Remember - A support group that offers support and healing for those who have experienced the loss of a baby. 2006-2011

MANUSCRIPTS: ORIGINAL RESEARCH:

1. Spitzer D, Lajc M, Rucker A, **Gregg A**, Steiner H, Staudach A. Antepartum antibiotic therapy and subsequent neonatal morbidity in patients with preterm premature rupture of the fetal membranes. *Internat J of Exper and Clinical Chemo* 1993;6:35.
2. Steiner H, **Gregg AR**, Bogner G, Graf AH, Weiner CP. First trimester three-dimensional ultrasound volumetry of the gestational sac. *Arch Gynecol Obstet* 1994;255: 165.
3. Steiner H, Staudach A, Spitzer D, Schaffer KH, **Gregg A**, Weiner CP. Growth deficient fetuses with absent or reversed umbilical artery end-diastolic flow are metabolically compromised. *Early Hum Devel* 1995;41:1.
4. **Gregg AR**, Thompson LP, Herrig JE, Weiner CP. Regionalization of endothelium-dependent relaxation in the thoracic aorta of pregnant and nonpregnant guinea pigs. *J Vasc Res* 1995;32:106-111.

5. Lee CGL, **Gregg AR**, O'Brien WE. Localization of the neuronal form of nitric oxide synthase to mouse Chromosome 5. *Mammal Genom* 1995;6:56.
6. **Gregg AR**, Lee CGL, Herman GE, O'Brien WE. Endothelial nitric oxide synthase (*Nos3*) maps to the proximal region of mouse Chromosome 5. *Mammal Genom* 1995;6:152.
7. **Gregg AR**, Warman AA, Thorburn DR, O'Brien WE. Combined malonic and methylmalonic aciduria with normal malonyl coenzyme A decarboxylase activity: A case supporting multiple etiologies. *J Inher Metab Dis* 1998;21:382-390.
8. **Gregg AR**, Schauer A, Shi O, Liu Z, Lee CGL, O'Brien WE. Limb reduction defects in endothelial nitric oxide synthase-deficient mice. *Am J Physiol (Heart Circ Physiol* 44) 1998;275: H2319- H2322.
9. Heilstedt HA, Shapira SK, **Gregg AR**, Shaffer LG. Molecular and clinical characterization of a patient with duplication of 1p36.3 and metopic synostosis. *Clin Genet* 1999;56:123-128.
10. Hirschfield W, Moody MR, O'Brien WE, **Gregg AR**, Bryan Jr RM, Reid MB. Nitric oxide release and contractile properties of skeletal muscles from mice deficient in type III NOS. *Am J Physiol (Regul Integr Comp Physiol)* 2000;278:R95-R100.
11. Atkins KE, **Gregg AR**, Spikes AS, Bacino CA, Bejjani BA, Kirkland J, Shaffer LG. Identification of Y chromatin directly in gonadal tissue by fluorescence *in situ* hybridization (FISH): significance for Turner syndrome screening in the cytogenetics laboratory. *Am J Med Genet* 2000;91:377-382.
12. Tempfer CB, Moreno RM, **Gregg AR**. Genetic control of fertility and embryonic waste in the mouse: A role for angiotensinogen. *Biol Reprod* 2000;62:457-462.
13. Tempfer CB, Hefler L, Bancher-Todesca D, Zeisler H, Husslein P, Heinze G, **Gregg AR**. Placental expression and serum concentrations of cytokeratin 19 in preeclampsia. *Obstet Gynecol* 2000;95:677-682.
14. Tempfer C, Moreno RM, O'Brien WE, **Gregg AR**. Genetic contributions of the endothelial nitric oxide synthase gene to ovulation and menopause in a mouse model. *Fertil Steril* 2000;73:1025-1031.
15. Hefler LA, Tempfer CB, Moreno RM, O'Brien WE, **Gregg AR**. Endothelial derived nitric oxide and angiotensinogen: blood pressure and metabolism during mouse pregnancy. *Am J Physiol (Regul Integr Comp Physiol)* 2001;280(1):R174-82.
16. Hefler LA, Reyes C, O'Brien WE, **Gregg AR**. Perinatal development of endothelial nitric oxide deficient mice. *Biol Reprod* 2001;64(2):666-673.
17. Hefler LA, Tempfer CB, **Gregg AR**. Polymorphisms within the interleukin-1 β gene cluster and preeclampsia. *Obstet Gynecol* 2001;97(5):664-668.
18. Hefler LA, **Gregg AR**. The influence of the angiotensinogen gene on ovulatory capacity in mice. *Fertil Steril* 2001;75(6):1206-1211.
19. Bodamer OA, Bloesch SM, **Gregg AR**, Stockler-Ipsiroglu S, O'Brien WE. Analysis of guanidinoacetate and creatine by isotope dilution electrospray tandem mass spectrometry. *Clinica Chimica Acta* 2001;308:173-178.
20. Bashford MT, Hefler LA, Vertrees TW, Roa BB, **Gregg AR**. Angiotensinogen and endothelial nitric oxide synthase polymorphisms among Hispanic patients with preeclampsia. *Am J Obstet Gynecol* 2001;184(7):1345-1351.
21. Hefler LA, Tempfer CB, Bancher-Todesca D, Schatten C, Husslein P, Heinze G, Gregg AR. Placental expression and serum levels of cytokeratin-18 are increased in women with preeclampsia. *J Soc Gynecol Investig*. 2001 May Jun;8(3):169-73. PubMed PMID: 11390252.
22. Tempfer CB, Dorman K, Deter RL, O'Brien WE, **Gregg AR**. An endothelial nitric oxide synthase gene polymorphism is associated with preeclampsia. *Hyperten Preg* 2001;20(1):107-118.
23. Hefler LA, Hersh DR, Moore PJ, **Gregg AR**. Clinical Value of Postnatal Autopsy and Genetics Consultation in Fetal Death. *Am J Med Genet* 2001; 104: 165-168.
24. Hefler LA, **Gregg AR**. Inducible and endothelial nitric oxide synthase: genetic background effects ovulation in mice. *Fertil Steril* 2002;77(1):147-151.
25. Ostrom K, Ben-Arie A, Edwards C, **Gregg A**, Chiu JK, Kaplan A. Uterine evacuation with misoprostol during radiotherapy for cervical cancer in pregnancy. *Int J Gynecol Cancer* 2003 May-Jun;13 (3):340-3.
26. Mann JR, McDermott S, **Gregg AR**, Gill TJ. Maternal genitourinary infection and small for gestational age. *Am J Perinatol*. 2009 Oct;26(9):667-72. doi: 10.1055/s-0029-1220792. Epub 2009 May 18.
27. Mann JR, McDermott S, Bao H, Hardin J, **Gregg A**. Pre-eclampsia, birth weight, and autism spectrum

- disorders. *J Autism Dev Disord.* 2010 May;40(5):548-54. doi: 10.1007/s10803-009-0903-4.
28. Kovanci E, **Gregg AR**. Blood Pressure Regulation Across Pregnancy: Evidence of a Paradigm Shift in Gene Expression. *Hyperten Preg* 2010; 29 (2):236-247.
 29. Mann JR, McDermott S, Griffith MI, Hardin J, **Gregg A**. Uncovering the complex relationship between preeclampsia, preterm birth and cerebral palsy. *Paediatr Perinat Epidemiol.* 2011 Mar;25(2):100-10. doi: 10.1111/j.1365-3016.2010.01157.x. Epub 2010 Aug 16.
 30. Hoppmann RA, Rao VV, Poston MB, Howe DB, Hunt PS, Fowler SD, Paulman LE, Wells JR, Richeson NA, Catalana PV, Thomas LK, Wilson LB, Cook T, Riffle S, Neuffer FH, McCallum JB, Keisler BD, Brown RS, **Gregg AR**, Sims KM, Powell CK, Garber MD, Morrison JE, Owens WB, Carnevale KA, Jennings WR, and Fletcher S. An integrated ultrasound curriculum (iUSC) for medical students: 4-year experience *Crit Ultrasound J.* 2011 April; 3(1):1-12. Epub 2011 Feb 1.
 31. Bryan CS and **Gregg AR**. Influenza 2010-2011 in one South Carolina Community: Report of four cases in young adults and plea for wider immunization. *JSC Med Assoc.* 2011 June; 107 (3):83-86.
 32. Euliano TY, Nguyen MT, Darmanjian S, McGorray SP, Euliano N, Onkala A, **Gregg AR**. Monitoring uterine activity during labor: a comparison of 3 methods. *Am J Obstet Gynecol.* 2013 Jan; 208(1):66.e1-6. doi: 10.10/j.ajog.2012.10.873. Epub 2012 Oct 23. PMID: 23122926
 33. Fogelson NS, Browne PC, Browne S, **Gregg AR**. Second Trimester Amniotic Fluid Is Reliably Fern Positive and α 1-Microglobulin Positive: Dispelling a Labor Deck Myth. *Amer J Perinatol* 2014; 31(05): 389-392 DOI: 10.1055/s-0033-1350055. PMID: 23873116

MANUSCRIPTS SUBMITTED or UNDER REVISION:

1. Albergottie A, Karmaus W, Soto-Ramirez N, Yousefi M, **Gregg A**, Goetzl LM, Best R. Lack of companionship and gestational levels of estradiol, progesterone, and cortisol and their association with gestational length and birth weight (*Revision in Progress*)
2. Ogunleye OK, Zhang H, Brown S, Isbell DC, Browne PC, Gei AF, **Gregg AR**. Screening Echocardiography in Morbidly Obese Pregnant Women. (*Revision in Progress*)
3. Prather ML, Mann JR, McDermott S, **Gregg AR**. Timing of Placental Abruption and Neurodevelopmental Disability. (*Revision in Progress*)
4. Ogunleye Oluseyi O, Davidson Kathryn D, **Gregg Anthony R**, Egerman Robert S. Perinatal Outcomes after Adopting the One versus Two Step Approach to Diagnosing Gestational Diabetes. *Am J Obstet and Gynecol* (*Revision in Progress*)
5. Euliano Tammy Y., MD, Darmanjian Shalom, PHD, Nguyen Minh Tam, MS, Busowski John D., MD, JD, Euliano Neil, PHD, and **Gregg Anthony R., MD** Monitoring Fetal Heart Rate during Labor: Doppler Ultrasound and Abdominal Electrodes versus Scalp Electrode (*Revision in Progress*) .
6. Tammy Y. Euliano, MD, Minh Tam Nguyen, MS, Shalom Darmanjian, PhD, John D. Busowski, MD, JD, Neil Euliano, PhD, **Anthony R. Gregg**, MD. Monitoring Uterine Activity during Labor: Clinician Interpretation of EHG vs IUPC and Toco. *Am J Perinatol* (*Accepted with Minor Revisions in Progress*).

PROFESSIONAL PRACTICE GUIDELINES/ POLICIES/WHITE PAPERS/POINTS to CONSIDER:

1. Toward Concurrence: Understanding Prenatal Screening and Diagnosis of Down Syndrome from the Health Professional and Advocacy Community Perspectives Consensus Conversation Co-Chairs: Janice Edwards, Richard Ferrante ACOG Representative: **Anthony Gregg** ACMG Representatives: Robert Saul, Judith Benkendorf NDSC Representatives: Laura Cifra-Bean, Rich Robison NDSS Representatives: George Capone, David Hoppe, Madeleine Will NSGC Representatives: Angela Trepanier, Meghan Carey, Cam Brasington; June 17, 2009 (*White Paper*) [distributed online, accessible at the national organization website]

2. Grody WW, Thompson BH, **Gregg AR**, Bean LH, Schneider A, Lebo RV. ACMG position statement on prenatal/preconception expanded carrier screening. *Genet Med*. 2013 Jun;15(6):482-3. doi: 10.1038/gim.2013.47. Epub 2013 Apr 25. PMID: 23619275
3. **Gregg AR**, Gross SJ, Best RG, Monaghan KG, Bajaj K, Skotko BG, Thompson BH, Watson MS. ACMG statement on noninvasive prenatal screening for fetal aneuploidy. *Genet Med*. 2013 May;15(5):395-8. doi: 10.1038/gim.2013.29. Epub 2013 Apr 4. PMID: 23558255
4. Edwards JG, Feldman G, Goldberg J, **Gregg, AR**, Norton ME, Rose NC, Schneider A, Stoll K, Wapner R, Watson MS. Expanded carrier screening in reproductive medicine—points to consider: a joint statement of the American College of Medical Genetics and Genomics, American College of Obstetricians and Gynecologists, National Society of Genetic Counselors, Perinatal Quality Foundation, and Society for Maternal-Fetal Medicine. *Obstet Gynecol*. 2015 Mar;125(3):653-62.c PMID: 25730230

REVIEWS / CHAPTERS / CASE REPORTS:

1. **Gregg AR**, Tomich PG. Mexilitene use in pregnancy. *J Perinatol* 1988; 8: 33. (Case Report)
2. **Gregg AR**, Weiner CP. Tocolytic Use in Patients with Preterm Premature Rupture of Membranes. *Clin Consultations in Obstet Gynecol*. 1991;3(4):260-6.
3. **Gregg AR**, Weiner CP. "Normal" umbilical arterial and venous acid-base and blood gas values. *Clin Obstet Gynecol* 1993;36:24. (Chapter)
4. **Gregg AR**. Introduction to premature rupture of the fetal membranes. *Obstet Gynecol Clin North Am*. 1992 Jun;19(2):241-9. (Chapter)
5. **Gregg AR**. Shoulder Dystocia. *The Iowa Perinatal Letter* 1994;25: 1. (Chapter)
6. Agan, N, **Gregg AR**. Elements of a genetics counseling service. *Obstet Gynecol Clin North Am*. 2002 Jun;29(2):255-63. (Chapter)
7. **Gregg AR**, Simpson JL. Genetic Screening for Cystic Fibrosis. *Obstet Gynecol Clin North Am*. 2002 Jun;29(2):329-40. (Chapter)
8. **Gregg AR**. Mouse models of reproduction and the role of nitric oxide in reproduction. *Current Pharmaceutical Design* 2003;9: 391-398. (Review).
9. Wali A, Suresh MS, **Gregg AR**. Antepartum hemorrhage. In: Anesthetic and Obstetric Management of High-Risk Pregnancy. Datta S (Editor). Springer-Verlag, 3rd Ed., New York, NY. 2004 (Chapter)
10. **Gregg AR**. Hypertension in Pregnancy. *Obstet Gynecol Clin North Am*. 2004 Jun;31(2):223-41, v. (Chapter)
11. **Gregg AR**, Sherman E. Fetal Skin Sampling and Prenatal Diagnosis of Genodermatosis. Chapter 39. In: Evans M, Johnson MP, Yaron Y, Drugan A. (Editors). The McGraw-Hill Companies. New York, NY. 2006 (Chapter)
12. **Gregg AR**. Preeclampsia. In: Principles and Practice of Medical Genetics (4th Edition). Rimoin DL, Connor JM and Pyeritz RE (Editors). Churchill Livingstone, Inc., New York, NY. 2006 (Chapter 59)
13. Lebel RR, Avery JM, Broome PJ, **Gregg AR**, Alan C, Mostafa M. Fetal Peritonitis due to appendiceal rupture a rare complication of Hydrops. *Fetal Pediatr Pathol*. 2008;27(3):121-5. (Case Report)
14. Souza LD, Tirado CA, Brooks KA, Corning K, Clarkson K, **Gregg, AR**, Best RG. A case of a 69,XXY infant with a survival to age 40 months. "Humén" Año 2008, Vol 4, Número 1) (Revista de Investigación de la Universidad Católica Santo Toribio de Mogrovejo, Chiclayo, Peru *Flumen* 2008;4(2):121-125. (Case Report)
15. Best RG, **Gregg AR**. Patau Syndrome. eMedicine from WebMD. Updated November 10, 2009. Available at: <http://emedicine.medscape.com/article/947706-overview> (Review)
16. Best RG, **Gregg AR**. Anencephaly. eMedicine from WebMD. Updated January 27, 2010. Available at: <http://emedicine.medscape.com/article/1181570-overview> (Review)
17. Walker P, **Gregg AR**. Screening, testing, or personalized medicine: Where do inherited thrombophilias fit best? *Obstet Gynecol Clin North Am*. 2010 Mar;37(1):87-107, Table of Contents. doi: 10.1016/j.ogc.2010.02.018. (Chapter)
18. **Gregg AR**. Preeclampsia. In: Principles and Practice of Medical Genetics (5th Edition). Rimoin DL, Connor JM and Pyeritz RE (Editors). Churchill Livingstone, Inc., New York, NY. 2011 (Chapter 53) *In*

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19. Ferreira JC, Schreiber-Agus N, Carter SM, Klugman S, **Gregg AR**, Gross SJ. Carrier testing for Ashkenazi Jewish disorders in the prenatal setting: navigating the genetic maze. *Am J Obstet Gynecol*. 2014 Sep; 211(3):197-204. doi: 10.1016/j.ajog.2014.02.001. Epub 2014 Feb 5. PMID: 24508465
20. **Gregg AR**, Van den Veyver IB, Gross SJ, Mandankumar R, Rink BD, Norton ME. Noninvasive Prenatal Screening by Next-Generation Sequencing. *Annu Rev Genomics Hum Genet*. 2014;15:327-47. doi: 10.1146/annurev-genom-090413-025341. Epub 2014 May 14. PMID: 24849140

BOOKS/MONOGRAPHS – WRITTEN/EDITED/CO-EDITED:

1. **Gregg AR** and Simpson JL (Guest Editors). Genetic Screening and Counseling. *Obstet Gynecol Clin North Am*. Philadelphia. W. B. Saunders Co. 2002: 29. (Co-Editor)
2. **Gregg AR** and Simpson JL (Guest Editors). Preface: Genetic Screening and Counseling. *Obstet Gynecol Clin North Am*. 2010 Mar;37(1):xv-vi.doi: 10.1016/j.ogc.2010.04.001.

MULTI-CENTER CLINICAL TRIAL -SITE INVESTIGATOR ACKNOWLEDGEMENTS

1. Hannah ME, Hannah WJ, Hewson S, Hodnett E, Saigal S, Willan A. Term Breech Trial Collaborative Group. Planned caesarean section versus planned vaginal birth for breech presentation at term: a randomized multicentre trial. *Lancet*. 2000 Oct 21;356(9239):1375-83. PubMed PMID: 11052579.
2. Min Su, Walter J. Hannah, Andrew Willan, Susan Ross, Mary E. Hannah. Planned caesarean section decreases the risk of adverse perinatal outcome due to both labour and delivery complications in the Term Breech Trial. *BJOG*.2004 Oct;111(10):1065-74. PubMed PMID: 15383108.
3. EK Hutton, ME Hannah, SJ Ross, M-F Delisle, GD Carson, R Windrim, A Ohlsson, AR Willan, A Gafni, G Sylvestre, R Natale, Y Barrett, JK Pollard, MS Dunn, P Turtle, for the Early ECV2 Trial Collaborative Group. The Early External Cephalic Version (ECV) 2 Trial:an international multicentre randomized controlled trial of timing of ECV for breech pregnancies. *BJOG*. 2011 Apr;118(5):564-77. doi:10.1111/j.1471-0528.2010.02837.x. Epub 2011 Feb 4. PubMed PMID: 21291506; PubMed Central PMCID: PMC3085121.

ABSTRACTS/INVITED SPEAKER/COURSES:

1. **Gregg AR**, Sipes SL, Weiner CP. Fetal acid-base status: Does cesarean section without labor have an effect? Society of Perinatal Obstetricians, San Francisco, California. January 28-February 2, 1991. (Abstract)
2. **Gregg AR**. Obstetrical Emergencies. Iowa Great Plains Organization 17th Annual Conference on Perinatal Medicine, Des Moines, Iowa. April 9-10, 1991, April 7-8, 1992, and April 6-7, 1993. (Invited speaker)
3. **Gregg AR**, Weiner CP. Fetal hemolytic anemia and fetal growth. Society of Perinatal Obstetricians, Orlando, Florida. February 1-7, 1992. (Abstract)
4. **Gregg AR**, Weiner CP, Thompson LP, Herrig JE. Endothelium-derived relaxing factor (EDRF). The thoracic aorta and its alteration by pregnancy. Society of Gynecologic Investigation, San Antonio, Texas. March 18-21, 1992. (Abstract)
5. **Gregg AR**. "Preterm Labor Management". Visiting Professor Program, Broadlawns Medical Center and Iowa Lutheran Medical Center, Des Moines, Iowa. May 6, 1992 and Iowa Lutheran Medical Center, Des Moines, Iowa. May 7. (Invited speaker)
6. **Gregg AR**, Weiner CP, Thompson LP. Alpha-2 adrenoreceptor activation of omental arteries in preeclampsia. Eighth World Congress on Hypertension in Pregnancy, Buenos Aires, Argentina. November 8-12, 1992. (Abstract-Oral Presentation)
7. **Gregg AR**, Steiner H, Staudach A, Weiner CP. Accuracy of 3-D sonographic volume measurements. Society of Perinatal Obstetricians, San Francisco, California. February 8-13, 1993. (Abstract)
8. **Gregg AR**, Steiner H, Bogner G, Staudach A, Weiner CP. The gestational sac and 3-D sonography.

Society of Perinatal Obstetricians, San Francisco, California. February 8-13, 1993. (Abstract)

9. **Gregg AR**, Estle LC, Weiner CP. Perfunctory electrocardiograms in diabetic pregnancies. Society of Perinatal Obstetricians, San Francisco, California. February 8-13, 1993. (Abstract)
10. **Gregg AR**. Glucocorticoid administration in patients with preterm rupture of the fetal membranes. Seminar Kongress Des Frauen Arztes, Berlin, Germany. March 19, 1993. (Invited speaker)
11. Steiner H, **Gregg AR**, Bogner G, Weiner CP, Staudach A. First trimester 3-D ultrasound volumetry of the gestational sac. The III World Congress of Ultrasound in Obstetrics and Gynecology, Las Vegas, Nevada. October 25-28, 1993. (Abstract)
12. Steiner H, Schaffer H, **Gregg A**, Spitzer D, Staudach A. 3-D ultrasound: limitations of the technique in clinical application. The Fourth World Congress of Ultrasound in Obstetrics and Gynecology, Budapest, Hungary. October 19-22, 1994. (Abstract)
13. Atkins K, **Gregg A**, Zepeda D, Spikes AS, Shaffer LG. Direct cytogenetic examination of gonadal tissue from two cases of mosaic Turner Syndrome. Annual Association of Cytogenetic Technologists, San Antonio, Texas. June 1-4, 1995. (Abstract)
14. **Gregg AR**, Warman AW, Zerengue DE, Shapira SK, Thornburn DR, O'Brien WE. Dietary manipulation in a patient with malonic aciduria. American Society of Human Genetics, Minneapolis, Minnesota. October 24-28, 1995. (Abstract)
15. **Gregg AR**. A Model for the Study of Hypertension in Pregnancy: Targeting Murine the *Nos3* Gene. Society for Gynecologic Investigation 43rd Annual Meeting - RSDP Session, Philadelphia, Pennsylvania. March 22, 1996. (Invited Speaker)
16. Atkins KE, **Gregg A**, Kirkland J, Spikes AS, Shaffer LG. Direct cytogenetic examination of gonadal tissue from three cases of Turner syndrome. American College of Medical Genetics 4th Annual Meeting, Ft. Lauderdale, Florida. February 28-March 2, 1997. (Abstract)
17. **Gregg AR**, Moore PJ, Hersh DR. Fetal Demise: When are Genetics Services Requested? American College of Medical Genetics 4th Annual Meeting, Ft. Lauderdale, Florida. February 28-March 2, 1997. (Abstract)
18. **Gregg AR**. After a fetal demise delivers.... Presented at The Twenty First Annual Houston Perinatal Nursing Symposium, Houston, TX. October 27, 1997. (Invited Speaker)
19. **Gregg AR**, O'Brien WE. Reproductive outcomes among mice deficient for endothelial nitric oxide synthase. Nitric Oxide: Biology and Chemistry 1998;2(2):75-139. Los Angeles, California. July 11-15, 1998. (Abstract-Oral Presentation)
20. Tempfer C, Soebbing D, Dorman K and **Gregg AR**. A *Nos3* Polymorphism is Associated with Preeclampsia. Society for Maternal-Fetal Medicine, San Francisco, California. January 18-23, 1999. (Abstract-Oral Presentation)
21. **Gregg AR**, Tempfer C, Moreno R, Liu Z, Liebman B, Obrien WE. Gravid Mice Deficient for eNOS have features consistent with a preeclampsia phenotype. Society for Gynecologic Investigation, Atlanta, Georgia. March 10-13, 1999. (Abstract-Oral Presentation)
22. Munnur U, Suresh MS, Whitten AE, Wali A, Wiley GN, **Gregg AR**, Jahoor F, Le HN, Bandi V. Arginine synthesis and nitric oxide production in patients with preeclampsia compared to normal pregnant women. International Anesthesia Research Society, Cleveland, Ohio. March 12-16, 1999. (Abstract)
23. Reyes C, **Gregg AR**, Finegold M, O'Brien W. Limb Reduction Defects in Endothelial Nitric Oxide Synthase (eNOS) Deficient Mice Result from Vascular Events Late In Pregnancy. Pathology Society, Society for Pediatric Pathology, San Francisco, California. March 20-21, 1999. (Abstract)
24. **Gregg AR**. Guidelines for Obstetric/Gynecologic Ultrasound. Ultrasound Course, Baylor College of Medicine, DeBaKey Building, Houston, Texas. April 26, 1992. (Invited Speaker)
25. **Gregg AR**. Pragmatic approaches towards prenatal screening for single gene disorders. 17th Congress and Scientific meeting of the Chinese Medical Association, Taipei R.O.C. June 5-6 1999. (Invited Speaker)
26. **Gregg AR**. Preeclampsia: Evidence supporting a polygenic etiology. 17th Congress and Scientific meeting of the Chinese Medical Association, Taipei R.O.C. June 5-6 1999. (Invited Speaker)
27. Tempfer CB, Moreno R, O'Brien WE, **Gregg AR**. Reduced Fertility and Perinatal Survival Due to Angiotensinogen Deficiency. American Society for Reproductive Medicine, Toronto, Ontario, Canada. September 25-30, 1999. (Abstract)

28. Tempfer CB, O'Brien WE, Moreano R, Liu Z, **Gregg AR**. *Nos3* Deficiency Negatively Impacts Responsiveness to Ovarian Hyperstimulation, but not Reproductive Outcome. American Society for Reproductive Medicine, Toronto, Ontario, Canada. September 25-30, 1999. (Abstract)
29. **Gregg AR**. Genetic control of hypertension in pregnancy. Austrian Society of Pre- and Perinatal Medicine, Wels, Austria. October 9, 1999. (Invited Speaker)
30. **Gregg AR**: Shoulder dystocia. Grand Rounds Memorial Hospital Southwest, Houston, TX October 19, 1999. (Invited Speaker)
31. **Gregg AR**. Genetic screening in pregnancy. 23rd Annual Houston Baylor College of Medicine Perinatal Nursing Symposium, Houston, TX. October 22, 1999. (Invited Speaker)
32. **Gregg AR**, Hefler LA, Leibman B, O'Brien WE, Tempfer CB. Mice with combined mutations in angiotensinogen and eNOS: Blood pressure responsiveness during pregnancy. Society for Gynecologic Investigation Annual Meeting. Spring 2000. (Abstract)
33. Hefler LA, Tempfer CB, Husslein P, Bancher-Todesca D, **Gregg AR**. Cytokeratin-18: A relationship between serum values and severity of preeclampsia. Society for Gynecologic Investigation Annual Meeting. Spring 2000. (Abstract)
34. Pellicena A, Riskin-Mashiah S, Hefler LA, **Gregg AR**. The relationship between the Glu298Asp and intron 4 polymorphisms of endothelial nitric oxide synthase in an Hispanic population with preeclampsia. American College of Medical Genetics Meeting, Palm Springs, CA. March 2000. (Abstract)
35. Riskin-Mashiah S, Pellicena A, Hefler LA, Tempfer CB, **Gregg AR**. MTHFR mutation and a NOS3 polymorphism influence blood pressure characteristics in preeclampsia. American College of Medical Genetics Meeting, Palm Springs, CA. March 2000. (Abstract- Oral Presentation)
36. **Gregg AR**. Fetal Heart Rate Monitoring. Texas Anesthesia Conference for Obstetrics, San Antonio, TX. June 15-18, 2000. (Invited Speaker)
37. Hefler LA, Leibman, O'Brien WE, **Gregg AR**. The influence of inducible nitric oxide synthase (*Nos2*) on ovulation and sexual maturity in a mouse model. American Society of Reproductive Medicine, San Diego, CA. Fall 2000. (Abstract - Poster)
38. Hefler LA, Reyes CA, Leibman, O'Brien WE, **Gregg AR**. Perinatal development of endothelial nitric oxide deficient mice. American Society of Human Genetics, Philadelphia, PA. Fall 2000. (Abstract-Poster)
39. Bashford MT, Hefler LA, Vertrees TW, Roa BB, **Gregg AR**. Angiotensinogen and endothelial nitric oxide synthase polymorphisms among hispanic patients with preeclampsia. Central Association Meeting, Chicago, IL. October 18-21, 2000. (Abstract – Oral Presentation)
40. Bashford MT, Tempfer CB, Roa BB, **Gregg AR**. A polymorphism in plasminogen activator inhibitor-1 may influence clinical outcome of preeclampsia. Armed Forces District, American College of Obstetrics and Gynecology, Washington, D.C. October 22-25, 2000. (Abstract- Oral Presentation)
41. **Gregg AR**. Pharmacologic effects of antihypertensive therapy on mother and fetus. 24th Annual Houston Baylor College of Medicine Perinatal Nursing Symposium, Houston, TX. October 27, 2000. (Invited Speaker)
42. Bodamer, OA, Bloesch SM, **Gregg AR**, Stockler-Ipsiroglu S, O'Brien WE. Analysis of guanidinoacetate and creatinine by isotope dilution electrospray tandem mass-spectroscopy. Department of Molecular and Human Genetics Retreat Baylor College of Medicine, Galveston, TX. January 11, 2001. (Abstract-Poster)
43. Hefler LA, Tempfer CB, **Gregg AR**. Genetic polymorphisms within the interleukin 1- β pathway and preeclampsia. Society for Maternal-Fetal Medicine, Reno, NV. February 5-10, 2001. (Abstract-Poster)
44. **Gregg AR**. Fetal Heart Rate Monitoring (didactic and interactive session). Texas Anesthesia Conference for Obstetrics, Houston, TX. March 2-3, 2001. (Invited Speaker)
45. **Gregg AR**, Hefler LA. The influence of the angiotensinogen gene on ovulatory capacity in mice. Society for Gynecologic Investigation, Toronto, Canada. 2001. (Abstract-Poster)
46. **Gregg AR**. Cystic Fibrosis and the Ethics of Carrier Screening. Grand Rounds Memorial Hospital Southwest, Houston, TX. March 20, 2001. (Invited Speaker)
47. **Gregg AR**. What's new in obstetrics? Electronic fetal heart rate monitoring, fetal pulse oximetry, corticosteroids, gestational diabetes, and placenta accreta. Texas Anesthesia Conference for Obstetrics, Houston, TX. March 1-3, 2001. (Invited Speaker)

48. Kovanci E, Martinez S, Yallampali S, Tita A, **Gregg AR**. Changing genetic paradigms underlie blood pressure regulation during pregnancy. Society for Gynecologic Investigation, Los Angeles, CA. March 20-24, 2002. (Abstract - Poster)
49. **Gregg AR**. Mapping Mendelian and Polygenic Traits. American Gynecologic and Obstetrical Society, Hot Springs, Virginia. September 12, 2002. (Invited Speaker)
50. **Gregg AR**. Screening for cystic fibrosis and other Mendelian disorders in the general population, in gamete donors and in the fertile couple. Post Graduate Course: Genetic Counseling and Molecular Application for the Infertile Couple. American Society for Reproductive Medicine, Seattle, WA. October 13, 2002. (Invited Speaker)
51. **Gregg AR**. Analyzing nucleic acid sequences PCR, DGGE, SSCP, Southern blotting and direct sequencing. Post Graduate Course: Using Molecular Genetic Technology to Identify Genes. American Society of Reproductive Medicine, Seattle, WA. October 12, 2002. (Invited Speaker)
52. **Gregg AR**. How to find genes responsible for known human diseases- Mendelian and polygenic traits-quantitative linkage analysis. Post Graduate Course: Using Molecular Genetic Technology to Identify Genes. American Society of Reproductive Medicine, Seattle, WA. October 13, 2002. (Invited Speaker)
53. **Gregg AR**. Cystic Fibrosis Testing and Counseling. American Society of Reproductive Medicine, Seattle, WA. October 15, 2002. (Invited Speaker)
54. **Gregg AR**. New insights on pulmonary emboli during pregnancy. Baylor College of Medicine Perinatal Outreach Program, 26th Annual Nursing Symposium. October 25, 2002. (Invited Speaker)
55. **Gregg AR**. Management of the Obese Gravida: Do obese patients receive suboptimal care? (Invited Speaker)
56. **Gregg AR**. Challenges for the future: Newborn Screening State Policies and Procedures. Health Resources Service Administration UCLA Campus, Los Angeles, California. November 21, 2002. (Invited Speaker)
57. **Gregg AR**. Preterm Labor: New tools for an old problem. Southwest Memorial Hospital. August 5, 2003. (Invited Speaker)
58. **Gregg AR**. Chronic Hypertension v PIH: Rationale for Early Delivery. Baylor College of Medicine Perinatal Outreach Program, 27th Annual Nursing Symposium. October 24, 2003. (Invited Speaker)
59. **Gregg AR**. Management of the Obese Gravida: Do obese patients receive suboptimal care? Baylor College of Medicine Perinatal Outreach Program, 27th Annual Nursing Symposium. October 24, 2003. (Invited Speaker)
60. **Gregg AR**. New insights into the pathogenesis of preeclampsia. Texas Anesthesia Conference for Obstetrics, Houston, TX. February 27-29, 2004. (Invited Speaker)
61. **Gregg AR**. Preterm Labor: Etiology, Prediction, and Prophylaxis. BlueCross BlueShield of South Carolina, Columbia, SC. November 18, 2004. (Invited Speaker)
62. **Gregg AR**. Fetal Heart Rate Monitoring. Hartsville Regional Medical Center, Hartsville, SC. January 13, 2005. (Invited Speaker)
63. **Gregg AR**. Management of Hypertension in Pregnancy. Perinatal Outreach Conference, Columbia, SC. April 22, 2005. (Invited Speaker)
64. **Gregg AR**. ACOG's View of Newborn Screening and Expanded Newborn Screening. American College of Obstetrics and Gynecology Representative to the Advisory Committee on Heritable Disorders and Genetic Diseases in Newborns and Children, Maternal Child Health Bureau, Health Resources and Services Administration, Washington, DC. July 22, 2005. (ACOG Committee of Genetics Representative)
65. **Gregg AR**. The Genetics of Preeclampsia Changing Paradigms. South Carolina Obstetrical and Gynecological Society Annual Meeting, Charleston, SC. September 11, 2005. (Invited Speaker)
66. **Gregg AR**. Hot topics in obstetrics. 2006 Midlands Region Perinatal Outreach Conference, Columbia, SC. April 7, 2006. (Invited Speaker).
67. **Gregg AR**. Do obese gravidas receive sub-optimal care? Continuing Medical Education Lunch and Learn, Baptist Hospital, Columbia, SC. April 14, 2006. (Invited Speaker)
68. **Gregg AR**. Do obese gravidas receive optimal care? Grand Rounds Speaker, Medical University of South Carolina, Charleston, SC. August 29, 2006. (Invited Speaker)
69. **Gregg AR**, Armour K, Clark RH, Owen DI. Ethical Dilemmas in Perinatology: A Panel Discussion [ART

- and Higher Order Pregnancies]. 13th Annual Perinatal Partnership between the South Carolina Perinatal Association/North Carolina Perinatal Association and March of Dimes, Myrtle Beach, SC. September 18, 2006. (Invited Speaker)
70. **Gregg AR.** Delivery Options: The Evidence Re: Elective Cesareans and VBAC. 13th Annual Perinatal Partnership between the South Carolina Perinatal Association/North Carolina Perinatal Association and March of Dimes, Myrtle Beach, SC. September 18, 2006. (Invited Speaker)
 71. **Gregg AR.** Do obese gravidas receive suboptimal care? Thirtieth Annual Frank R. Lock Symposium, Winston Salem, NC. October 27, 2006. (Invited Speaker)
 72. **Gregg AR.** Genetic Screening for obstetricians and gynecologists in 2006: Where are we now? Thirtieth Annual Frank R. Lock Symposium, Wake Forest University, Winston Salem, NC. October 27, 2006. (Invited Speaker)
 73. **Gregg AR.** New tools in the diagnosis and management of preterm labor evidence of a complex trait. Neonatology 2006, University of Miami, Miami, FL. November 9, 2006. (Invited Speaker)
 74. Best RG, Khushf G, **Gregg AR**, Lopez-deFede A. Interferon-based testing for tuberculosis as a disruptive innovation. Vancouver, Canada. February 2007. (Abstract)
 75. **Gregg AR.** Update on aneuploidy screening and diagnosis an ACOG view. Palmetto Health Baptist Hospital, Columbia, SC. April 10, 2007. (Invited Speaker)
 76. **Gregg AR.** Screening for Genetic Disease. The changing playing field in obstetrics and gynecology. Alabama Section of the American College of Obstetricians and Gynecologists Annual Spring Meeting, Destin, FL. May 11, 2007. (Invited Speaker)
 77. **Gregg AR:** Timing the delivery in cases of severe preeclampsia. When should the clock stop? Alabama Section of the American College of Obstetricians and Gynecologists Annual Spring Meeting, Destin, FL. May 11, 2007. (Invited Speaker)
 78. **Gregg AR.** Do obese gravidas receive optimal care? Alabama Section of the American College of Obstetricians and Gynecologists Annual Spring Meeting, Destin, FL. May 11, 2007. (Invited Speaker)
 79. **Gregg AR.** Timing the delivery in cases of severe preeclampsia: When should the clock stop? Maternal Care Fall Update, Columbia, SC. September 21, 2007. (Invited Speaker)
 80. **Gregg AR.** Gene expression profiles in leukocytes from women with normal pregnancy and preeclampsia. Paper presented by David F. Lewis, Central Association of Obstetricians and Gynecologists, Chicago, IL. October 17-20, 2007. (Invited Discussant)
 81. **Gregg AR.** When a baby dies: Terminology (definitions) and stats. RTS Bereavement Training, Columbia, SC. November 30, 2007. (Invited Speaker)
 82. **Gregg AR.** Do mechanical methods of cervical ripening increase infectious morbidity? A systematic review. Paper presented by Jennifer Heinemann. South Atlantic Association of Obstetricians and Gynecologists, Sarasota, FL. January 20-23, 2008. (Invited Discussant)
 83. **Gregg AR.** Obesity in pregnancy: It's more than skin deep. University of Arizona, Grand Rounds, Tucson, Arizona. April 30, 2008. (Invited Speaker)
 84. **Gregg AR.** Thrombophilia in Pregnancy. University of Arizona Resident Didactic Session, Tucson, Arizona. April 30, 2008. (Invited Speaker)
 85. Lebel RR, Seaver LS, **Gregg AR**, Salley M, Avery JM, Broome PJ, Stevenson RE. Prenatal phenotypic variation in Ellis van Creveld syndrome. American Society of Human Genetics, Philadelphia, PA. November 11-15, 2008. (Abstract)
 86. Chandler GT, Gei AF, Fann SA, Rizvi AA, **Gregg AR.** Hyperparathyroidism in Pregnancy a Case Series and Review of the Literature. Carolina Women's Health Research Forum, Columbia, SC. October 3-4, 2008. (Abstract)
 87. Chandler GT, Gei AF, Fann SA, Rizvi AA, **Gregg AR.** Hyperparathyroidism in Pregnancy a Case Series and Review of the Literature. South Atlantic Association of Obstetricians and Gynecologists, Asheville, NC. January 20, 2009. (Abstract)
 88. Agarwal S, Yousefi M, **Gregg AR**, Goetzi L, Brown S, Karmaus W. Mothers with hay fever have lower IFN-Gamma levels in milk and blood. Carolina Women's Health Research Forum, Columbia, SC. October 30, 2009. (Abstract)
 89. Mann JR, McDermott S, Bao H, Hardin JW, **Gregg AR.** Pre-Eclampsia, birth weight, and autism

- spectrum disorder. Women's Health Research Forum, Columbia, SC. October 30, 2009. (Abstract)
90. Rouhani G, **Gregg AR**. Antenatal corticosteroid use between 32-34 weeks gestation in patients with preterm premature rupture of the membranes: benefit or harm? Women's Health Research Forum, Columbia, SC. October 30, 2009. (Abstract)
 91. **Gregg AR**. ACOG vs. ACMG screening guidelines. Society for Maternal Fetal Medicine. Scientific Forum – Genetics. Chicago, IL. February 3, 2010.
 92. **Gregg AR**. Getting to Zero: How hospitals can use rapid tests to virtually eliminate mother-to-child HIV transmission. Health Research and Educational Trust. Palmetto Health Family and Preventive Medicine Center, Columbia, SC. December 9, 2009. (Invited Speaker)
 93. **Gregg AR**. Course in fetal monitoring series. Tuomey Healthcare System, Sumter, SC. February 24, 2010. (Invited Speaker)
 94. **Gregg AR**. Emerging Infectious Diseases: Epidemiology & Pathobiology, Influenza session. Arnold School of Public Health, University of South Carolina, Columbia, SC. March 30, 2010. (Invited Speaker)
 95. **Gregg AR**. Hypoxia implications for the developing fetus and placenta. Carolina Sleep Society Conference, Litchfield Beach and Golf Resort, Pawleys Island, SC. May 20, 2010. (Invited Speaker).
 96. **Gregg AR**. Let's talk trauma. Palmetto Health Richland, Columbia, SC. May 25, 2010. (Invited Speaker).
 97. Joshua R. Mann, MD MPH; Suzanne McDermott, PhD; Margaret I. Griffith, MD, MPH; James Hardin, PhD; **Anthony Gregg, MD** Uncovering the complex nature between preeclampsia, preterm birth and cerebral palsy. American Academy of Cerebral Palsy and Developmental Medicine 64th Annual Meeting Washington, D.C. September 23, 2010 (Oral Presentation).
 98. Ogunleye O, Zhang H, Brown S, Isbell DC, Browne PC, **Gregg AR**. Echocardiography and evidence of remodeling in morbidly obese pregnant women. Central Association of Obstetricians and Gynecologists, Las Vegas NV October 30, 2010 (Oral Presentation)
 99. **Gregg AR**. A closer look at ACOG practice bulletin 124, changing your lens could change your vision University of Florida, Department of Obstetrics and Gynecology, Alumni Meeting Orlando FL. May 12, 2012 (Oral Presentation).
 100. Egerman R, Malloch L, Davidson K, **Gregg A**. Empirical Fetal Thyroid Replacement Therapy in the setting of Familial Congenital Hypothyroidism International Society of Prenatal Diagnosis Meeting, Miami, FL June 6, 2012 Abstract #0222 / Poster reference #P2-6 (Poster).
 101. **Gregg A**. A closer look at ACOG practice bulletin 124, changing your lens could change your vision. Bayfront Medical Center, St. Petersburg, FL. June 5, 2012 (Invited Speaker).
 102. **Gregg AR**. Florida Toolkit Overview. FL Perinatal Quality Collaborative meeting, Winter Park Memorial Hospital, Winter Park, FL. October 30, 2013. (Invited Speaker).
 103. **Gregg AR**. Changing Paradigms in Prenatal Genetics: Expanded Carrier Screening. Sacred Heart Hospital, Pensacola, FL. November 22, 2013 (Invited Speaker).
 104. **Gregg, AR**. FHA HEN Monthly OB Coaching Webinar "An Overview of the Obstetric Hemorrhage Initiative (OHI)" Gainesville, FL December 17, 2013 (Presentation).
 105. Ogunleye O, Davidson K, **Gregg A**, Egerman R. Gestational diabetes (GDM): Two step Glucose tolerance test (GTT) versus one step GTT. ACOG Annual Clinical Meeting April 26, 2014. (Abstract).
 106. **Gregg, AR**. FHA HEN Monthly OB Coaching Webinar "Massive Transfusion Protocols" Gainesville, FL January 16, 2014 (Presentation).
 107. Davidson KD, Burchfield DJ, Egerman RS, Ogunleye OK, **Gregg AR**. Decreased respiratory morbidity in very low birth weight infants of hypertensive mothers. Society of Maternal Fetal Medicine Meeting, New Orleans, February 6, 2014 Control ID #1821905/Poster reference 318 (Poster)
 108. C Salazar, S Darmanjian, T Lyles, N Euiliano, **A Gregg**, R Egerman, T Euiliano. Photoplethysmography and heart rate variability for the diagnosis of preeclampsia. University of FL College of Medicine Celebration of Research, Gainesville, FL, March 31 and April 1, 2014 (Poster #144)
 109. T Euiliano, S Darmanjian, T Lyles, N Euiliano, **A Gregg**. Fetal heart rate monitoring: A comparison of three methods. University of FL College of Medicine Celebration of Research, Gainesville, FL, March 31 and April 1, 2014 (Poster #142)

110. L Silva, K Brennan, S Darmanjian, T Lyles, N Euliano, **A Gregg**, R Egerman, T Euliano. Photoplethysmography and heart rate variability for the prediction of preeclampsia. University of FL College of Medicine Celebration of Research, Gainesville, FL, March 31 and April 1, 2014 (Poster #145)
111. **Gregg AR**. Clinical Utilization of Cell-Free DNA-Based Non-Invasive Prenatal Aneuploidy Tests: Integrating NIPTs into Practice. American College of Medical Genetics Meeting, Nashville, TN, March 25, 2014. (Invited Speaker)
112. Davidson KD, Burchfield DJ, Ogunleye O, Chelliah AC, Ho M, Egerman RS, **Gregg AR**. Recent center level data may be more appropriate for periviable counseling versus the historic NICHD cohort. Society of Maternal Fetal Medicine Meeting, San Diego, February 6, 2015 Control ID# 2057794. (Poster)
113. Euliano T, Johnson A, Brennan K, Darmanjian S, Euliano N, **Gregg A**. Monitoring fetal heart rate during labor: a comparison of three methods. UF College of Medicine 2015 Celebration of Research, Gainesville, FL, February 9, 2015. (Poster)
114. Oluseyi Ogunleye, Rosette Charles, Anushka Chelliah, Katie Davidson, **Anthony R. Gregg**, Pat Duff. Anti-Xa Levels, Low Molecular Heparin (LMWH) and Birth Weight. *Poster presentation at the University of Florida Celebration of Research* January 5, 2015, Gainesville, FL.
115. **Gregg AR**, Which disorders to include on a preconception or prenatal carrier screening screen. The 19th International Conference on Prenatal Diagnosis and Therapy. Washington DC. July 12-15 2015.
116. Vamos, C.A., Thompson, E.L., Cantor, A., Detman, L., Bronson, E., Phelps, A., Louis, J.M., **Gregg, A.**, Curran, J.S., & Sappenfield, W. (December 2015, Accepted). Multi-level factors influencing implementation experiences of an Obstetric Hemorrhage Initiative. 8th Annual Conference on the Science of Dissemination and Implementation in Health, December 14-15, 2015, Washington, DC.

CME COURSES (DIRECTOR/ CO-DIRECTOR and SPEAKER):

- 1) Course Title: Hemorrhage Scenarios in Obstetrics: A course aimed at preventing Maternal Morbidity and Mortality. (**Co-Director**)
 Topic: Maternal Hemorrhage and Simulation Drills
 Location: Columbia, SC
 Date(s): 3/20/09; 9/18/09
 Lectures (Gregg/Simulations):
 - a. A pragmatic view of blood clotting (Speaker)
 - b. What does the blood bank have to offer? Blood products and recombinants (Speaker)
 - c. Simulation scenarios including management of uterine atony, lacerations, placental abruption and uterine rupture (Speaker)
 Sponsor: University of South Carolina, Department of Obstetrics and Gynecology

- 2) Course Title: Genetics Problem Solving in Clinical Practice. Society for Maternal Fetal Medicine (**Co-Director**)
 Topic: Prenatal Genetic Diagnosis and Counseling
 Location: San Francisco, CA
 Date(s): 2/9/09
 Lectures (Gregg):
 - a. Metabolic Disease Mothers and Metabolic Foods
 - b. Controversies in Genetic Screening
 Sponsor: Society for Maternal Fetal Medicine

- 3) **Course Title: Prenatal Genetics: Out with the Old, In with the New (Co-Director)**
 Topic: Prenatal Genetic Diagnosis and Counseling
 Location: San Francisco, CA
 Date(s): 2/13/13
 Lectures (Gregg):
 - a. Microarray cases and Bioinformatics

- b. Expanded carrier screening – why not?
Sponsor: Society for Maternal Fetal Medicine
- 4) Course Title: Arrays, NIPT and expanded carrier screening: Advances and controversies (**Co-Director**)
Topic: Prenatal Genetic Diagnosis and Counseling
Location: Phoenix, AZ
Date(s): 3/19/13
Lectures (Gregg):
 - a. VUS what are the options?
 - b. Pro Expanded Carrier Screening
 Sponsor: American College of Medical Genetics
- 5) Course Title: Prenatal Genetics in Clinical Practice (**Co-Director**)
Topic: Prenatal Genetic Diagnosis and Counseling
Location: New Orleans, LA
Date: 2/3/14
Lectures (Gregg):
 - a. Controversies in Expanded Carrier Testing
 Sponsor: Society for Maternal Fetal Medicine
- 6) Course Title: The 7th Philadelphia Prenatal Diagnosis Conference
Topics: Maternal Fetal Medicine, Genetics and Ultrasound
Location: Philadelphia, PA
Date(s): April 30 –May 2, 2015
Lectures (Gregg):
 - a. National Efforts to Reduce Maternal Mortality: Hemorrhage First – The Strategies
 - b. Expanded Carrier Screening
 - c. Isolated Microcephaly in the Next Generation Sequencing Era
 - d. NIPS the Value Proposition
 - e. Thrombophilia in Pregnancy Challenging Dictum or Evidence
 - f. Towards an Improved Understanding of the Fetal Urinary Tract
- 7) Stump the Professor Panelist
Cases presented by Residents Obstetrics and Gynecology (Nationwide)
American College of Obstetricians and Gynecologists 2015 Annual Meeting
Location: San Francisco, CA
May 5, 2015
- 8) Course Title: The 19th International Conference on Prenatal Diagnosis and Therapy
Topics: Dynamics and Ethics of Advanced technologies in prenatal preimplantation and preconception testing
Location: Washington DC
Date(s): July 12-15 2015
Lecture (Gregg):
 - a. Expanded preconception carrier screening: State of the Art
- 9) Association for Molecular Pathologists 2015 Annual Meeting. Genetics Division.
Topic: Clinical utility of circulating cell-free fetal DNA for noninvasive prenatal testing
Location: Austin, TX
Date(s): November 6, 2015
Lecture (Gregg):
 - a. Barriers and Promises NIPS and Prenatal Care

EDUCATIONAL MEDIA and SYMPOSIUM (PANEL) PARTICIPATION:

1. Type: Audio CME Program
ACOG UPDATE Volume 39, Issue 5; 2013
Topic: “Advances in Prenatal Genetic Testing”
Wapner RJ, Gregg AR, Norton ME

2. Type: Ethics Symposium
Sponsor: Mayo Clinic
Date(s): September 23-24
Topic: Responsible Implementation of Expanded Non-Invasive Prenatal Genetic Screening.
Description: The symposium will bring together 15-20 thought leaders in ethics, obstetrics, maternal fetal medicine, and laboratory medicine with the aim of generating recommendations for commercial laboratories and prenatal clinics that will offer non-invasive prenatal genetic screening and testing.

UNDERGRADUATE STUDENT, MEDICAL STUDENT and RESIDENT TEACHING ACTIVITIES:

- University of Florida Physician, January 2015 - May 2015
Undergraduate Shadowing
Description: Undergraduate students with an interest in medicine are given an opportunity, as part of their course work, to shadow doctors throughout the course of their day.

- UF College of Medicine, Department of Obstetrics and Gynecology January 2014 – March 2015
Medical Student Journal Club
Description: Medical students are given an opportunity to present an article and in the process learn how to approach life-long learning through journal reading.

- UF College of Medicine, The Resident-as-Teacher Program October 3, 2014
Training for Residents
Description: Explore issues in the education of doctors and teaching residents to learn a set of instructional skills that can be put to use in teaching others.