
*CURRICULUM VITAE:
(Updated January, 2020)*

*Henry L. Galan, M.D.
Professor
Department of Obstetrics & Gynecology
University of Colorado School of Medicine*

CURRENT POSITION

Professor, Dept of Ob/Gyn
Colorado Fetal Care Center
Associate Program Director, Maternal-Fetal Medicine Fellowship
Department of Obstetrics and Gynecology
University of Colorado Denver School of Medicine
12631 E. 17th Avenue, Mail Stop B198-5
Aurora, CO 80045

EDUCATION

Undergraduate

August 1981 – May 1985
University of Texas at Austin, Austin, TX
Bachelor of Arts, Biology

August 1985 – May 1987
Texas A&M University, College Station, TX
Bachelor of Science, Medical Sciences

Medicine

August 1985 – May 1989
Texas A&M University – College of Medicine
College Station, TX
Doctor of Medicine

Postgraduate Training

June 1989 – July 1993
Residency, Obstetrics and Gynecology
Scott & White Hospital (TAMU-HSC), Temple, TX

July 1993 – June 1995
Fellowship, Maternal-Fetal Medicine
University of Texas Health Science Center at Houston, TX

July 1995 - June 1997
Research Fellowship, NIH Perinatal Research Training Grant
Department of Pediatrics, Division of Neonatology
University of Colorado Denver School of Medicine

Other Training

Academy for Leadership and Development
Society for Maternal Fetal Medicine
Course Directors: Daniel O'Keeffe, MD, Michael Foley, MD, Idahlynn Karre, PhD.
October 19-21, 2012 and April 12-14, 2013

ACADEMIC APPOINTMENTS

July 1995– June 1997
Instructor and Research Fellow
Department of Obstetrics and Gynecology
University of Colorado Denver School of Medicine

July 1997 – June 2003
Assistant Professor
Department of Obstetrics and Gynecology
University of Colorado Denver School of Medicine

July 2000 – present
Director, Maternal-Fetal Medicine Fellowship
Department of Obstetrics and Gynecology
University of Colorado Denver School of Medicine

July 2003 – June 2009
Associate Professor
Department of Obstetrics and Gynecology
University of Colorado Denver School of Medicine

July, 2009 – present
Professor
Department of Obstetrics and Gynecology
University of Colorado Denver School of Medicine

July 2004 – 2012
Section Chief of Maternal-Fetal Medicine
Department of Obstetrics and Gynecology
University of Colorado Denver School of Medicine

May, 2012 – present
Professor
Department of Obstetrics and Gynecology
University of Colorado Denver School of Medicine

PROFESSIONAL POSITIONS

Hospital Appointments	Staff Physician Hermann Hospital and LBJ Hospital, Houston, Texas	1993-1995
	Staff Physician Medical Director of Labor and Delivery University of Colorado Hospital, Aurora, CO	1995–present 2005–present
	Staff Physician Exempla/Lutheran Medical Center, Denver, CO	1999-2003

	Staff Physician HealthONE Systems/Columbia Rose Medical Center, Denver, CO	1999-2003
	Staff Physician Centura/St. Anthony's Hospital Systems, Denver, CO	1999-2003
	Staff Physician Exempla/St. Joseph's Hospital, Denver, CO	1999-2003
	Staff Physician Porter Hospital, Denver, CO	2004-2005
	Staff Physician Denver Health & Hospital Authority, Denver, CO	2004 – 2011
	Staff Physician Centura/Parker Adventist Hospital, Parker, CO	2004 – present
	Staff Physician Centura/Littleton Adventist Hospital, Parker, CO	2009 – present
	Staff Physician The Children's Hospital, Aurora, CO	2007 – present
Consulting Positions	COPIC (malpractice insurance company) 100 day reviews Educational lectures for "COPIC points" (see "invited lectures")	

HONORS, SPECIAL RECOGNITIONS & AWARDS

Teaching	"2019 Mentor of the Year; District VIII". ACOG award for mentoring young members	2019
	CREOG National Faculty Award for Excellence in Resident Education	2004
	Stuart Gottesfeld Award for Outstanding Faculty Teaching	2002
	Outstanding Clinical Teachers; UCHSC Class of 2003 (MS III award)	2002
	APGO Excellence in Teaching Award	2002
	Resident Teaching Certificate of Appreciation	2000
	Stuart Gottesfeld Award for Outstanding Faculty Teaching	1999
	Stuart Gottesfeld Award for Outstanding Faculty Teaching	1997
	Certificate of Appreciation, Denver Health Medical Center	1999

Best OBG Resident Teacher (given by Med. Students), Scott & White Hospital	1992
Best OBG Resident Teacher (given by Med. Students), Scott & White Hospital	1991
Research/ Academic	
Certificates for Outstanding Contribution in Reviewing: AJOG and Placenta	2019
“APS Select” Certificate for top ten articles featured in November, 2015: Title: <i>Reduced placental amino acid transport in response to maternal nutrient restriction in the baboon</i> . AJP-Regulatory, Integrative and Comparative Physiology Vol 309: R740-R746, 2015..	2015
Dru Carlson Memorial Award for Best Research in Ultrasound and Genetics – <i>Integration of venous Doppler and biophysical profile provides optimal delivery timing in fetal growth restriction</i> . Oral presentation. 28 th annual meeting of the Society for Maternal-Fetal Medicine, Dallas, TX	2008
James W. Kennedy AAOGF Travel Award to the annual American Gynecological and Obstetrical Society meeting, Victoria, BC, Canada	2005
NIH Young Investigator Award – Annual Perinatal Research Society Meeting, Asheville, NC	1997
Burroughs Wellcome Junior Fellow Section Chairman Clinical Meeting (\$1,000)	1995
AOA, Texas A&M University Health Science Center College of Medicine	1992
Clinical Scholar Award - Honorable Mention. Laparoscopic Insufflation in the Pregnant Baboon: Maternal & Fetal Effects. Scott & White Hospital, Temple, TX.	1993
Surfactant Replacement Therapy In Utero for Prevention of HMD in the Preterm Baboon:	
Best Paper - 5th Annual OB/GYN Resident Research Day	1992
Clinical Scholar Award - Best Postgraduate Resident Paper Scott & White Hospital, Temple, TX	1992
Effect of Intra-Amniotic Administration of Exosurf in Preterm Rabbit Fetuses: 34th Annual National Student Research Forum. Excellence in. Clinical Research First Place - Resident/Intern Division (\$300 prize).	1993
34th Annual National Student Research Forum. Roche Laboratories Travel Award for Excellence in Research. \$1500 Monetary Award for Educational Expenses, Galveston, TX	1993
Effect of Intra-Amniotic Administration of Exosurf in Preterm Rabbit Fetuses: Best Paper, 4th Annual OB/GYN Resident Research Day	1991

	Clinical Scholar Award - Best Postgraduate Paper. Scott & White Hospital, Temple TX.	1991
	Pritchard Prize (Best OB/GYN Resident Paper in Texas) Texas Association of Obstetricians & Gynecologists, Austin, TX	1992
Other:	Top Obstetrician Gynecologist selection by the International Association of Obstetricians & Gynecologists	2017
	5280 Magazine; "Best Doctors in Denver"	2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018
	Best Doctors for Executives (excerpt from The Best Doctors in America database)	2013, 2014
	Master of Ceremonies for the Graduating Chief Resident Banquet (Chiefs' selection)	2006, 2007

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

Texas Medical Association	1985-1995
Class representative to the Texas Medical Association Medical Student Section (TMA-MSS)	1985-1989
Texas A&M University - College of Medicine, Chapter President of the TMA-MSS	1987-1989
Texas A&M University - College of Medicine, Class Vice-President	1987-1989
American Medical Association	1985-present
Bell County Medical Society	1987-1993
Texas Association of Obstetrics & Gynecology, Junior Fellow	1989-1995
American College of Obstetricians & Gynecologists, Junior Fellow	1993-1996
Harris County Medical Society	1993-1995
Society for Maternal-Fetal Medicine (formerly SPO), Associate Member	1995-1999
American College of Obstetrics and Gynecology, Fellow	1996-present
Texas Section Junior Fellow Vice Chairman	1994
Texas Section Junior Fellow Chairman	
American Institute of Ultrasound in Medicine	1995-present

Colorado Gynecological and Obstetrical Society	1997-present
Society for Maternal-Fetal Medicine	
Associate Member	1993-1998
Regular Member	1998-present
Society for Gynecologic Investigation	1998-present
Central Association of Obstetricians & Gynecologists	2002-2004
Perinatal Research Society	2002-present
American Gynecological and Obstetrical Society	2016-present

MAJOR COMMITTEE, POSITIONS AND SERVICE RESPONSIBILITIES

Departmental	Depart OB/GYN, University of Colorado School of Medicine	
	• Director, Maternal-Fetal Medicine Fellowship	2000-2016
	• Associate Program Director, Maternal-Fetal Medicine Fellowship	1998-2000, 2016-present
	• Vice-Chair of Outreach	5/2011-2014
	• OB/GYN Research Advisory Committee - BRS Division	2006-2010
	• Platte River Perinatal Center, Board of Directors member, UCHSC	2004-2011
	• Director, Division of Maternal-Fetal Medicine,	2004-5/2011
	• Chair, UCHSC Perinatal Database Committee & PRA Search Committee	2004-2008
	• Women's Reproductive Health Research Scholar Program – Advisory Committee	2004
	• Residency Site Visit Review – core faculty	8/2001
	• Organizing committee for National Centers of Excellence in Women's Health	1998
	• Search committee for Director of the Basic Reproductive Sciences Division in OB/GYN	1998
	Department of Obstetrics, Gynecology and Reproductive Sciences, UTHSC at Houston	1994
	Maternal Fetal Division Director Search Committee	
	• Depart OB/GYN, Scott & White Memorial Hospital, Temple, Texas.	1992-1993
	Obstetric Ethics Committee	
School of Medicine/University Physicians, Inc		
	Data Safety Monitoring Board Committee: "Double-blind trial of choline during Pregnancy and risk for schizophrenia study.. PI Randy Ross, MD	2009- present
	UCH & UPI Joint Strategic Committee	6/2008-2011
	Off-Campus Network Development Workgroup	
	UPI subcommittee on revision of UPI By-laws	2007-2010
	UPI Board of Directors – Ad Hoc Member	2006-2008
	Search committee member for the Chairman of the Department of Pediatrics	2004-2005
	Institution Animal Care and Use Committee	1997-2002
Hospital	Children's Hospital of Colorado	
	Co-Director, Colorado Fetal Care Center	5/2011-present

	MFM Blood Utilization Task Force	2013-present
	University of Colorado Hospital & The Children's Hospital MFM Partnership Executive Committee	2010-5/2011
	Clinical Care Operating Committee	2010-present
	University of Colorado Hospital	
	Medical Director of Labor and Delivery	2007-2011
	Co-Director of the Colorado High-Risk Maternity and Newborn Program (jointly supported by UCH and The Children's Hospital)	2004-2011
	Obstetric Division and Family Medicine Liaison	2001-2010
	Fetal Concerns Program (a palliative care & perinatal loss program)	2004-2010
	OB consultant	
	Planning Groups & Building Advisory Committee Co-Leader, Anschutz Inpatient Pavillion – Phase I and II. UCHSC	2004-2007
	Search committee for Director of Women and Infants	8/2001
	University of Colorado Hospital	
	Parker Adventist Hospital Foundation; Board Member	2011-present
State	Consultant to COPIC Insurance for development of NNE Guideline Lecture	2004
	Centura Hospital System; Perinatal Patient Safety Task Force Committee	2008-present
	Community Service/ Public Health	
	Colorado Perinatal Care Counsel– counsel member (Colorado Department of Public Health)	2006-present
	Colorado Department of Public Health; Maternal Morbidity and Mortality Committee Member (review of morbidity/mortality in Colorado)	2003-present
National	Society for Maternal-Fetal Medicine;	
	Member, Board of Director member	2008-2011
	Chairman, Fellowship Affairs Committee	2009-2011
	Past Chair, Fellowship Affairs Committee	2011-2012
	Chair, Fellowship Retreat Committee	2011-2013
	Member, Membership Committee	2012-2014
	Member, Education Committee	2012-2014
	Member, Bylaws/Credentials/Committee	2012-2014
	Member, Global Health Committee	2016-2018
	Maternal-Fetal Medicine Unit Network Grant	2010-2016
	Associate PI	
Community	2018 Denver Chair for March for Babies (March of Dimes) fundraiser	2017-2018

LICENSURE / BOARD / OTHER CERTIFICATIONS

Licensure	Federation Licensing Examination (1989)
	State of Texas (Active)
	State of Colorado (Active)
Board Certification	Board Certified, Maternal-Fetal Medicine, April 4/8/1998, (Active)
	Board Certified, Obstetrics and Gynecology, November, 11/15/1996 (Active)
	ABC Recertification 2006-2017
BLS	Expires 2019

LEADERSHIP COURSES/TRAINING

Society of Maternal-Fetal Medicine – Academy for Leadership and Development
Two part course: October, 2013 and April 2013; Certificate Provided
2012-2013 Reunion Meeting Course: April, 2014

INNOVATIVE TEACHING OR OTHER CREATIVE EFFORTS

Clinical Efforts	AMA/SMFM CPT coding justification for the precordial venous Dopplers	2006
	Platte River Perinatal Center; Designed and operated by the Division of (MFM and UPI owned)	2004
	Colorado Sonographics Inc.; Perinatal outreach ultrasound program with web-based Interpretation.	2007-2009
Research Efforts	Perinatal Database; Web-based	2004-2012
Educational Efforts	Maternal-Fetal Physiology Course; multidisciplinary lectures for Fellows from both MFM and neonatology; given every 3 years	2000- 2018

REVIEW, EDITORIAL AND REFEREE WORK

Study Sections/Workshops/MFMU

SMFM/NICHD/HRSA/ACOG Workshop: Quality measures in High Risk Pregnancy. Co-Moderator w/ Brian Mercer for the Preterm Birth Session	2016
NIH Workshop: Prenatal and Perinatal Lung NHLBI Workshop. Presented "Impact of IUGR/SGA-On Lung Abnormalities & Recovery". NHLBI Prenatal workshop report. 2016, JAMA-Peds.	2015
MFMU Concept Proposal Presentation. "The Growth Restriction Early Term Trial (GREaTT study). Galan HL, Chauhan, SP. MFMU Steering Committee Meeting. January 15-16, 2015. Bethesda, Maryland.	
Ireland Health Research Board grant reviewer. "Sildenafil treatment in IUGR." (HRA-2014-DI-620). Invitation by Liam Burke. HRB Grants Administrator	2014
NICHD Concept reviewer: "Fetal Body Composition and Volumes in the NICHD Fetal Growth Studies". Invitation by Sathasiva B. Kandasamy, PhD	2014
NIH Workshop on Timing of Indicated Late Preterm and Early Term Birth Co-sponsored by Eunice Kennedy Shriver NICHD and SMFM	2/2011

	NIH Scientific Review (Special Emphasis Panel) for RFP “The National Standard for Normal Fetal Growth”. Invitation by Peter Zelazowski, PHD, Scientific Review Officer	5/2010
	NIH Pregnancy and Neonatology Study Section – Ad Hoc reviewer	2/2006;1/2008
	NICHD; Workshop on Prenatal Imaging (presented uterine artery Doppler and pregnancy outcomes)	9/2006
	NICHD; Workshop on Amniotic Fluid (presented Intraamniotic Fetal Treatments; Ross et al. NICHD Conference summary: amniotic fluid biology—basic and clinical aspects. J Matern Fetal Med 2001;10(1):2-19)	4/2000
Editorial Work	Editor: Obstetrics: Normal and Problem Pregnancies	2009-present
	Associate Editor: Obstetrics: Normal and Problem Pregnancies (5 th Ed; Invitation by Steven G. Gabbe, MD)	2003-2009
	Guest Editor: Emergencies in Obstetrics and Gynecology Ob-Gyn Clinics of North America. Vol 34(3);2007	2007
	Guest Editor: Topic: Intrauterine Growth Restriction Seminars in Perinatology. Vol 32(3);2008	2008
	Editor & Contributor: Advanced Medical Systems – Perinatal Updates	1998-2001
Referee	American Journal of Obstetrics and Gynecology	2001-present
	Prenatal and Neonatal Medicine	1998-present
	Reproduction, Fertility and Development	2000-present
	Ultrasound in Obstetrics and Gynecology	2001-present
	Biology in Reproduction	2005-present
	American Journal of Physiology	2007-present
	American Journal of Physiology - Heart and Circulatory Physiology	2008-present
	British Journal of Obstetrics & Gynaecology	2010-present
	Journal of Maternal Fetal Neonatal Medicine	2017-present
	Pediatric Research	2004-present
	Placenta	2016-present
	Science & Sister Journals	2016-present
	Ultrasound in Obstetrics & Gynecology	2006-present
Abstract Referee/Judge:	SMFM; Abstract referee; Poster Presentation Judge	2017
	SMFM; Abstract referee; Poster Presentation Judge	2016
	SMFM; Judge for Fellow Oral Plenary and Fetal Therapy Oral sessions,	2015
	Society for Maternal-Fetal Medicine; Poster Judge	2013, 2014
	Society for Maternal-Fetal Medicine; Oral Concurrent Judge	2012, 2015
	Society for Gynecologic Investigation – Poster Judge	2010, 2011

Society for Maternal-Fetal Medicine; Fellow Plenary Judge	2011
Society for Maternal-Fetal Medicine; Oral Presentation Judge	2010
Society for Maternal-Fetal Medicine - Abstract Referee	2001-present
Society for Gynecologic Investigation - Abstract Referee	2004-present
Society for Maternal-Fetal Medicine; Oral Presentation Judge	2010
Society for Maternal-Fetal Medicine, Poster Presentation Judge	2013-present

INVITED LECTURES, PRESENTATIONS, VISITING PROFESSORSHIPS & COURSE DIRECTORSHIPS

17th Annual High Risk Fetal Imaging and Perinatal Medicine Course with Hands-On Fetal Echocardiography and OB Ultrasound Course. Role-Course Co-Director (Jennifer Hodges, MD Co-Director). Speaker: 1. Evaluation of the Hydropic Fetus. 2. Application of Doppler Velocimetry. University of Colorado School of Medicine. Children's Hospital of Colorado. Aurora, CO. September 9-10, 2019.

ACOG Update: IUGR Management. Audio Recording with Uma Reddy and Ahmet Baschat. Recording in Las Vegas, NV, February, 2019.

34th Annual Steamboat Perinatal Conference. Invited Speaker. Normal Small Baby or Growth Restriction: How to Tell the Difference. Steamboat, CO. January 24-26, 2019.

Northwest Perinatal Center and Legacy Maternal-Fetal Medicine Joint Perinatal Symposium. Invited Speaker. Controversies in IUGR and Management. September 15, 2018, Portland, OR

2018 Women's Health Symposium. Invited speaker. 1. Update on Current Status of Fetal Surgery, and 2. Management of IUGR: Controversies & Recommendations. October 5, 2018, Billings, MT.

Maternal Fetal Medicine Faculty Dinner Presentation – The High Risk Pregnancy Center. Lecture: 1) Controversies in the Management of IUGR. 2) Development of an IUGR Algorithm. Las Vegas, NV. September 10, 2018.

16th Annual High Risk Fetal Imaging and Perinatal Medicine Course. Course Co-Director (Joyce Sung, MD Co-Director): University of Colorado School of Medicine. Aurora, CO. September 21-22, 2018.

Society for Maternal-Fetal Medicine Fellow Lecture Series. Invited Speaker. Management of Intrauterine Growth Restriction: Controversies and Recommendations. National web-based lecture also given at MFM Division Meeting at University of Colorado School of Medicine. Aurora, CO, October 15th, 2017.

20th Annual Mid-Atlantic Ultrasound Symposium in Obstetrics and Gynecology. Course Director Alfred Abuhamad, MD. 1) Diagnosis and Management of Twin-Twin Transfusion, 2) Ultrasound in the management of Multiple Gestations, and 3) An Update on Fetal Surgery Through Case Presentations. Virginia Beach, VA. November 10-11, 2017.

Pediatric Rehabilitation Conference. Speaker. Myelomeningocele: prenatal evaluation and

treatment options. Director Dennis Matthews, MD. Children's Hospital of Colorado, Aurora CO, October 11, 2017.

15th Annual Fetal Imaging and Perinatal Medicine Course. Course Co-Director (Meghan Donnelly, MD Co-Director): University of Colorado School of Medicine. Aurora, CO. September 22-23, 2017.

American Gynecological and Obstetrical Society (President Donald Dudley, MD). Invited Speaker. "Future of Fetal Surgery and Innovations". The Drake Hotel. Chicago, IL. September 15-16, 2017.

Women's Health Research Symposium. Resident research day judge and presenter (Update in Fetal Surgery). University of New Mexico. June 9th, 2017.

Update in Obstetrics & Gynecology - Former Residents in Obstetrics & Gynecology (FROG). Resident research day judge and presenter (Controversies in the management of IUGR). University of Texas HSC – Houston, June 23rd, 2017.

Denver Health Department of OB/GYN; Grand Rounds. Fetal Surgery Update, January 1st, 2017.

19th Annual Mid-Atlantic Ultrasound Symposium in Obstetrics and Gynecology. Course Director Alfred Abuhamad, MD. 1) Update on the Current Status of Fetal Surgery, 2) Ultrasound in the management of Multiple Gestations, and 3) Diagnosis and Management of Fetal Growth Restriction: Controversies and Recommendations. Virginia Beach, VA. October 28-29, 2016.

14th Annual Fetal Imaging and Perinatal Medicine Course. Course Co-Director (Teresa Harper, MD Co-Director): University of Colorado School of Medicine. Aurora, CO. September 23, 2016.

CDH Educational Series for NICU Nurses: Director: Jason Gien, MD. Ultrasound Evaluation of CDH. Children's Hospital of Colorado, August 31st, 2016

Armed Forces MFM Network Box Lunch Meeting speaker; Controversies in IUGR. Society for Maternal Fetal Medicine – The Pregnancy Meeting. Atlanta, GA. February 4th, 2016.

Master's Series Luncheon Roundtable. Monitoring of the IUGR Fetus – UA Dopplers, CPR, and More. Society for Maternal Fetal Medicine – The Pregnancy Meeting. Atlanta, GA. February 5th, 2016.

Senior Course Co-Director (Ramesha Papanna, MD; Junior Course Co-Director): Post-Graduate Course: Debates in Fetal Intervention. 35th Annual Meeting. Society for Maternal Fetal Medicine – The Pregnancy Meeting. San Diego, CA. February 4th, 2015.

Course Co-Director (Betina Cuneo, MD Co-Director): Fetal Imaging and Perinatal Medicine Course. University of Colorado School of Medicine. Aurora, CO. May 8, 2014

Course Director, AIUM: Special Interest Course: Fetal Doppler: Beyond the Umbilical Artery. Director of Session and Speaker. NY, NY. April 8, 2013.

Course Director, AIUM: Obstetrical Doppler: Cases and Management: Director of Session and Speaker. Phoenix, AZ. March 29th, 2012.

2nd Annual: Perinatal Medicine and Ultrasound Course. Co-Director (with John Hobbins, MD) September 9-10, 2010, Denver, CO

1st Annual: Perinatal Medicine and Ultrasound Course. Co-Director (with John Hobbins, MD) October 15-16, 2009, Denver, CO

Fetal Growth and Programming. Annual meeting of the Society for Maternal-Fetal Medicine - Postgraduate Course. Co-Director with George Saade, MD. January 29, 2009, San Diego, CA

Advanced Obstetrical Ultrasound – Pie in the Sky 3D and Practical Applications. Course Co-Director (with John Hobbins, MD). May 15-16, 2008, Denver, CO

Basic and Advanced Obstetrical Ultrasound – A Hands-On Experience. Am College of Obstetricians and Gynecologists – 060 Postgraduate Course. May 8-9, 2008. San Diego, DC.

Advanced Obstetrical Ultrasound – A Practical Approach to OB/GYN Ultrasound for the Clinician. Course Co-Director (with John Hobbins, MD). May 17-18, 2008, Denver, CO

Obstetric Emergencies: Recognition and Management. American College of Obstetricians and Gynecologists – 060 Postgraduate Course. May 8-9, 2007. San Diego, DC.

Advanced Obstetrical Ultrasound – An Obstetrical and Gynecologic View by Ultrasound. Course Co-Director (with John Hobbins, MD). May 18-19, 2006, Denver, CO

Obstetric Emergencies: Recognition and Management. American College of Obstetricians and Gynecologists – 060 Postgraduate Course. May 9-10, 2006. Washington, DC

Advanced Obstetrical Ultrasound – An Obstetrical and Gynecologic View by Ultrasound. Course Co-Director (with John Hobbins, MD). May 12-13, 2005, Denver, CO

Ultrasound and Prenatal Diagnosis: An Update. Annual meeting of the Society for Maternal-Fetal Medicine - Postgraduate Course. February 9, 2005, Reno, NV

Doppler Ultrasound in the High Risk Pregnancy. Annual meeting of the Society for Maternal-Fetal Medicine - Postgraduate Course Lecture. *Doppler in the High Risk Pregnancy*. February 5, 2003, San Francisco, CA

Course Speaker

15th Annual Fetal Imaging and Perinatal Medicine Course. Course Co-Director (Meghan Donnelly, MD Co-Director): *Fetal Surgery: Cases, US and Video*. University of Colorado School of Medicine. Aurora, CO. September 22-23, 2017.

17th Annual: Obstetric Ultrasound in the High Risk Patient. Institute for Advanced Medical Education course faculty and preconference NTQR faculty. 1) *Advances in First Trimester Risk Assessment*, 2) *Technical Aspects of the NT and Nasal Bone*, 3) *IUGR: Controversies and Non-Controversies*. 4) *Preterm Birth Prevention Strategies: Cx, Prog, Cerclage, Pessary*. 5) *Twins: Placenta, Membranes and TTTS*. Las Vegas, NV, Sept 9-11, 2016

Fetology Conference (Inaugural). Faculty Planning Committee and Controversies/Debates Speaker Session: 1): Prenatal Screening (serum analytes and cfDNA; Henry Galan, MD) and Prenatal Diagnosis (karyotype, microarray, whole exom sequencing David Manchester, MD). 2) Cerclage for Short Cervix in TTTS (Pro-Galan; Con-Ken Moise, MD). Vail, CO. March 13-15, 2016.

42nd Annual Vail Obstetrics & Gynecology Conference. *Fetal Therapy (2 breakout sessions)* Course Directors-N. Santoro, R. Gibbs, C Thompson, M Gottesfeld. Vail, CO February, 2016

16th Annual: Obstetric Ultrasound in the High Risk Patient. Institute for Advanced Medical Education course faculty and preconference NTQR faculty. 1) *Advances in First Trimester Risk Assessment*, 2) *NTQR course faculty Fetal Growth : Not Living up to One's Potential*, 2) *Technical Aspects of the NT and Nasal Bone*, 3) *Management of IUGR: Use of Dopplers and other methods to monitor and Determinine Timing of Delivery*, 4) *Use of Ultrasound on The Labor and Delivery Floor*. Las Vegas, NV, October 30-November 1, 2015

American College of Obstetricians and Gynecologists 63rd ACM – Postgraduate Course. Basic Obstetrical Ultrasound –A Hands-On Experience. 1) *First and second trimester biometry*, 2) *Antepartum Testing, AFI and Doppler Velocimetry & ½-day hands-on teaching*. May 3, 2015, . San Francisco, CA.

41st Annual Vail Obstetrics & Gynecology Conference. *Complications of Multiple Gestations – MFPR, Twin-Twin transfusion, and Mal-presentation*. Course Director-Nanette Santoro, MD & Ron Gibbs, MD. Vail, CO February, 2015

Post-Graduate Course (Course Director): Debates in Fetal Intervention. 1) In Utero Repair of MMC Outside of the MOMS Criteria (Pro Argument; Con by Julie Moldenhauer, MD). 2) Future of Fetal Surgery Centers: every Major City Should Have One (Pro Argument; Con by Ken Moise, MD). 35th Annual Meeting. Society for Maternal Fetal Medicine – The Pregnancy Meeting. San Diego, CA. February 4th, 2015.

15th Annual: Obstetric Ultrasound in the High Risk Patient. Institute for Advanced Medical Education course faculty. 1) *Fetal Growth : Not Living up to One's Potential*, 2) *Fetal Growth: How to Use Ultrasound to Manage Macrosomia*, 3) *Twins*, 4) *Use of Ultrasound on The Labor and Delivery Floor is Only Limited By One's Imagination*. The Aria Resort and Casino, Venetian Hotel - Las Vegas, NV, October 24-26, 2014

25th Ultrasound Symposium. Course Director: William Ott, MD. Arterial and Venous Doppler Velocimetry in the IUGR Fetus. September 19, 2014. St. Louis, MO

38th Annual Conference of District VIII Section on Perinatal Pediatrics. Management of Intrauterine growth restriction. May 29-June 1, 2014, Denver, CO

The Fetal Imaging and Perinatal Care Conference: 1) Use of Ultrasound in IUGR Management, 2) Break-out session: Postpartum Hemorrhage. May 8-10, 2014. Aurora, CO.

35th Annual Perinatal Clinical Update – Recent Advances and Current Controversies. Operative Vaginal Delivery – An Update. May 8, 2014, Children's Hospital of Colorado, Aurora, CO

American College of Obstetricians and Gynecologists 62nd ACM – 060 Postgraduate Course. Hands-On Basic Obstetrical Ultrasound. 1) *Basic Biometry and AF Volume*, 2) *Placenta Evaluation and Doppler Velocimetry & ½-day hands-on teaching*. April 26, 2014, Chicago, IL

40th Annual Vail Obstetrics & Gynecology Conference. *Management of Postpartum Hemorrhage*. Course Director-Nanette Santoro, MD & Ron Gibbs, MD. Vail, CO February, 2014

American College of Obstetricians and Gynecologists 61st ACM – 060 Postgraduate Course. Hands-On Basic Obstetrical Ultrasound. 1) *Biometry, Placenta and Amniotic Fluid Assessment & ½-day hands-on teaching*. May 4, 2013. San Diego, CA

2013 Annual Convention of the AIUM. Special Interest Course: Fetal Doppler: Beyond the Umbilical Artery. Doppler Physics and the Umbilical Artery. Director of Session and Speaker. NY, NY. April 8, 2013.

39th Annual Vail Obstetrics & Gynecology Conference. *Doppler Management of IUGR: When to deliver...When to wait*. Course Director-Nanette Santoro, MD & Ron Gibbs, MD. Vail, CO February, 2013

33rd Annual Meeting of the Society for Maternal-Fetal Medicine. Post-graduate course: Ultrasound Controversies. Directors Isabelle Wilkins and Karin Fuchs. San Francisco, CA, February, 2013. (1) Management of IUGR lecture, and (2) Uterine artery debate with Ahmet Baschat, MD. (Galan "con").

American College of Obstetricians and Gynecologists 60th ACM – 060 Postgraduate Course. Hands-On Basic Obstetrical Ultrasound. 1) *Biometry, Placenta and Amniotic Fluid Assessment*

& ½-day hands-on teaching. May 6, 2012. San Diego, CA.

2012 Annual Convention of the AIUM. Preconvention Course Director. Obstetric Doppler Ultrasound: Case Studies (Mari, Reeves, Galan) – Diagnosis and Management. March, 2012.

32nd Annual Meeting of the Society for Maternal-Fetal Medicine. Debates in Ultrasound Lecturer. *Doppler in IUGR- Galan & Mari*. Dallas, Texas, February, 2012.

38th Annual Vail Obstetrics & Gynecology Conference. *Neonatal Encephalopathy: What you need to know for your practice*. Course Director-Nanette Santoro, MD & Ron Gibbs, MD. Vail, CO February, 2012.

33rd Western Conference on Perinatal Research. Sponsored by AAP. Guest Faculty and Discussant. Speaker: *IUGR cases and management*. Indian Wells, CA, January 11-13, 2012.

40th Annual Vail Obstetrics & Gynecology Conference. *Postpartum Hemorrhage*. Course Director-Nanette Santoro, MD & Ron Gibbs, MD. Vail, CO February, 2011.

American College of Obstetricians and Gynecologists 59th ACM – 060 Postgraduate Course. Basic and Advanced Obstetrical Ultrasound – Hands-On Experience. 1) *Basic Biometry, Placenta and Amniotic Fluid Assessment*. April 30, 2011. Washington, DC.

37th Annual Vail Obstetrics & Gynecology Conference. 1) *Postpartum Hemorrhage*, 2) *Operative Vaginal Delivery – An Update*. Course Director-Ron Gibbs, MD. Vail, CO February 17-22, 2008

54th Annual T. Hart Baker, MD Obstetric and Gynecology Symposium. *Improving the outcomes of your pregnant hypertensive patient*. Santa Barbara, CA. October 1-2, 2010.

2nd Annual: Perinatal Medicine and Ultrasound Course. 1) IUGR management, algorithm, cases, 2) Magnesium for neuroprotection. October 15-16, 2009, Denver, CO

American College of Obstetricians and Gynecologists ACM – 58th 060 Postgraduate Basic and Advanced Obstetrical Ultrasound – Hands-On Experience. 1) *Basic Biometry, Placenta and Amniotic Fluid Assessment*. May 15, 2010. San Francisco, CA.

Western Slope Women and Infants Conference. *Ultrasound, Cervical Length and Preterm Birth*. Course Director-Scott Gray, MD. March 19, 2010.

Medical Legal Issues in Obstetrics Practice. 1) *Operative Vaginal Delivery*. 2) *Shoulder Dystocia*. Course Director-Ron Gibbs, MD. Aurora, CO, November 19-20, 2009.

1st Annual: Perinatal Medicine and Ultrasound. 1) *Shoulder Dystocia: An Update*, 2) *Ultrasound in the management of IUGR*. Denver, CO October 15-16, 2009.

53rd Annual T. Hart Baker, MD Obstetric and Gynecology Symposium. 1) *Preterm Labor: To Mag or Not to Mag, that is the Question*. 2) *A simple cervical length: Preterm labor and PPROM*. San Diego, CA. September 4-6, 2009.

American College of Obstetricians and Gynecologists 57th ACM – 060 Postgraduate Basic and Advanced Obstetrical Ultrasound – Hands-On Experience. 1) *Basic Biometry, Placenta and Amniotic Fluid Assessment*. May 1, 2009. Chicago, IL.

The Colorado Section of the ACOG. Mountains, Music & Hot Topics in OB/GYN. *Doppler Management of IUGR*. June 26 & 27, 2009. Aspen, CO

35th Annual Vail Obstetrics & Gynecology Conference. 1) *Fetal acid-Base Balance and FHR Monitoring*, 2) *New Approaches to Third Trimester Bleeding*. Course Director-Ron Gibbs, MD. Vail, CO February 15-20, 2009.

Perinatal Medicine 2009. 1) *Postpartum Hemorrhage*, 2) *Ultrasound assessment of the placenta cord and amniotic fluid*, and 3) *Use of Doppler in the Management of IUGR*. University of Southern California / Keck School of Medicine. Kaanapali Beach, Maui, Hawaii February 7-13, 2009.

9th Annual: Obstetric Ultrasound in the High Risk Patient. Institute for Advanced Medical Education course faculty. 1) *NTQR Course: Technical aspects of nuchal translucency measurements*, 2) *NTQR Course: Technical aspects of nasal bone measurements*, 3) *Doppler Management of IUGR and Cases*, 4) *A simple cervical length examination: How it helps in preterm labor and premature labor* Venetian Hotel - Las Vegas, NV, October 17-19, 2008

Advanced Obstetrical Ultrasound – Pie in the Sky 3D and Practical Applications. 1) *Obstetrical Ultrasound Coding*, 2) *Assessment of IUGR*. Course Co-Director (with John Hobbins, MD), Denver, CO May 15-16, 2008

American College of Obstetricians and Gynecologists 56th ACM – 060 Postgraduate Basic and Advanced Obstetrical Ultrasound – Hands-On Experience. Obstetric Emergencies: Recognition and Management. *Obstetrical Emergencies: i) Postpartum Hemorrhage, ii) Shoulder Dystocia, iii) Trauma in Pregnancy*. May 8-9, 2008. San Diego, DC.

Basic and Advanced Obstetrical Ultrasound – A Hands-On Experience. 1) *Ultrasound Coding – doing it right*, 2) *Placenta and Amniotic Fluid Assessment*. American College of Obstetricians and Gynecologists – 060 Postgraduate Course. May 8-9, 2008. San Diego, DC.

T.F. Bunkley Lectureship and 21st Annual Resident Research Day. Operative Vaginal Delivery: An Update; Doppler Management of IUGR; Judge of resident papers and presentations. Scott & White Hospital, April 19 and 20, 2008, Temple, TX

2008 AIUM Annual Convention. Course: Doppler Applications in OB/GYN. Course Director-Ahmet Baschat. Lecture: *Doppler view from both sides of the placenta*. March 13, 2008, San Diego, CA

Maternal Mortality Mini-Symposium – Panel Member with Drs. Heyborne, Zarlengo, D’Dalton. Colorado Ob/GYN Society. March 3, 2008. Denver, CO

34th Annual Vail Obstetrics & Gynecology Conference. *Use of Doppler Ultrasound in Obstetrics*. Course Director-Ron Gibbs, MD. Vail, CO February 17-22, 2008

Fetal Growth Restriction: Evaluation and Treatment. Master’s Series Roundtable Luncheon. Society for Maternal-Fetal Medicine 28th Annual Meeting, Dallas, TX, January, 2008

Nuchal Translucency Education and Quality Monitoring Program. Faculty. 1) *Combining first and second trimester screening*, 2) *Additional benefits of first trimester screening, first trimester risk assessment in multiple gestations, the genetic sonogram – summary*. Supported by SMFM through the IAME - 8th Annual: Obstetric Ultrasound in the High Risk Patient. Venetian Hotel - Las Vegas, NV, October 26-28, 2007

8th Annual: Obstetric Ultrasound in the High Risk Patient. Institute for Advanced Medical Education course faculty. 1) *Doppler and IUGR: Its ability to monitor the fetal condition*, 2) *Biometry*, 3) *Preterm Labor*, 4) *Coding: It seems to change every month*, 5) *Coding in Obstetrics: How to do it appropriately*. Venetian Hotel - Las Vegas, NV, October 26-28, 2007

What’s New, What’s Next in OB High Risk Care? *Trauma in Pregnancy*. University of Colorado Hospital. Aurora, CO May 19, 2007

Advanced Obstetrical Ultrasound – A Practical Approach to OB/GYN Ultrasound for the Clinician. 1) *Doppler Applications in Pregnancy*, 2) *Coding the Obstetrical examination*. Denver, CO May 17-18, 2007.

55th Annual Clinical Meeting of the American College of Obstetricians and Gynecologists. – Saturday Post-Graduate Course: *Obstetrical Emergencies: i) Postpartum Hemorrhage, ii) Shoulder Dystocia, iii) Trauma in Pregnancy*. San Diego, CA, May 5, 2007.

33rd Annual Vail Obstetrics & Gynecology Conference. *Postpartum Hemorrhage*. Course Director-Ron Gibbs, MD. Vail, CO February 18-23, 2007

7th Annual: Obstetric Ultrasound in the High Risk Patient. Institute for Advanced Medical Education course faculty. 1) *Uterine artery Doppler and adverse pregnancy outcome*, 2) *The Placenta and Cord – What do they tell us?*, 3) *Amniotic Fluid: Re-Appraisal of Methods: What does polyhydramnios and oligohydramnios really mean*, 4) *Managing the undergrown fetus*, 5) *Coding in Obstetrics: How to do it appropriately*. Venetian Hotel - Las Vegas, NV, October 26-28, 2006

Universidad Complutense. Cursos de Verano 2006; Invited Speaker. *Management of IUGR (in Spanish)*. El Escorial. Spain. July 10-14, 2006.

Advanced Obstetrical Ultrasound – An Obstetrical and Gynecologic View by Ultrasound. 1) *Obstetrical Coding – How to do it right?*, 2) *Doppler in the Management of IUGR*. Denver, CO May 18-19, 2006.

54th Annual Clinical Meeting of the American College of Obstetricians and Gynecologists. Tuesday/Wednesday 060 Course: *Obstetrical Emergencies: i) Postpartum Hemorrhage, ii) Shoulder Dystocia, iii) Trauma in Pregnancy*. Washington, DC, May 9-10, 2006.

32nd Annual Vail Obstetrics & Gynecology Conference. 1) *Operative Vaginal Delivery – An Update*, 2) *Modern Management of Rh Disease*. Course Director-Ron Gibbs, MD. Vail, CO February 19-24, 2006.

ACOG District VII and District VIII Annual District Meeting. Ultrasound Course Faculty: 1) *Use of Doppler in Pregnancy*, 2) *Optimizing Ultrasound Coding*, 3) *Live Demonstration of Doppler Ultrasound*. Hyatt Regency Hill Country Resort and Spa, San Antonio, TX September 23-25, 2005.

6th Annual: Obstetric Ultrasound in the High Risk Patient. Institute for Advanced Medical Education course faculty. 1) *Use of uterine artery Doppler in predicting adverse pregnancy outcome*, 2) *Use of Doppler assessment of the fetal circulation in the management of IUGR*, 3) *The fetal urinary tract*, 4) *The Practical: Coding – how to understand the rules*. Venetian Hotel - Las Vegas, NV, September 9-11, 2005.

2005 AIUM Annual Convention and 50th Anniversary Celebration. New Developments in Fetal Doppler Sonography – Categorical Course (Director: Giancarlo Mari, MD). *The Venous System in Normal and Intrauterine Growth-Restricted Fetuses*. Orlando, FL June 19-22, 2005.

Advanced Obstetrical Ultrasound – An Obstetrical and Gynecologic View by Ultrasound. Lecture: *IUGR Management*. Denver, CO May 12-13, 2005.

2005 Annual meeting of the American College of Obstetricians and Gynecologists – Tuesday/Wednesday 060 Course: *Obstetrical Emergencies: i) Postpartum Hemorrhage, ii) Shoulder Dystocia, iii) Trauma in Pregnancy*. San Francisco, CA 10-11, 2006.

9th Annual Fetal & Women's Ultrasound 2005 Institute for Advanced Medical Education. 1) *IUGR Breakout Session: Biometric Pearls*, 2) *IUGR Breakout Session: Doppler in IUGR Management*, 3) *RH Disease: Role of Ultrasound and Doppler*, 4) *The Fetal Genitourinary System: Role of Ultrasound*. The Westin Buckhead, Atlanta, GA. April 1-3, 2005.

2005 Annual meeting of the Society for Maternal-Fetal Medicine - Postgraduate Course: Ultrasound and Prenatal Diagnosis: An Update. Lecture Titles: 1) *Management of Rh Disease*, 2) *Doppler in the Management of IUGR*. Reno, NV, February 9, 2005.

Grand Rounds – Department of OB/GYN, University of Colorado Health Sciences Center. *Management of Rh Disease*. February 24th, 2005.

Autumn In New York Conference – “An Ultrasound and Perinatal Medicine Tribute to John C. Hobbins, MD”. *Diagnosis and Management of IUGR*. NY Helmsley Hotel. NY, NY. November 12-14, 2004.

5th Annual: Obstetric Ultrasound in the High Risk Patient. Institute for Advanced Medical Education course faculty. 1) *Consequences of abnormal fetal growth*, 2) *Doppler of the fetal arteries*, 3) *The fetal veins – how investigation aids in clinical management*, 4) *Evaluation of the cervix in preterm labor and PROM*. Venetian Hotel - Las Vegas, NV, October, 2004

The American Gynecological Club/Gynaecological Visiting Society. *Application of Doppler Velocimetry in the management of IUGR*. Aspen Meadows Resort, Aspen, CO, Sept. 30 – Oct. 2, 2004.

Colorado High Risk Maternity and Newborn Program. *Emergency Medicaid in CO and Panelist with Robert Resnik, MD and Lynn Barbour, MD*. Denver, CO August 20th, 2004.

North American Society for the Study of Hypertension in Pregnancy in conjunction with ERIPED and NASOM Societies. Co-leader (with Francine Tessier, MD) of the break-out session on *Ultrasound Evaluation in Pre-Eclampsia Pregnancies*. July 23-26th, 2004. The Gage Towers, University of British Columbia, Vancouver, BC, Canada.

Fetal Assessment: Ultrasound, Doppler and Heart Rate Monitoring. ACOG Postgraduate Course. 1) *Rh Isoimmunization: New Modalities for an Old Disease*, 2) *Fetal Heart Rate Monitoring: Lessons Learned*, 3) *Intrauterine Growth Restriction: Biometric Pearls*, 4) *Venous/Arterial Doppler in IUGR Management*. July 8-10, 2004 Fairmont Waterfront Hotel. Vancouver, BC, Canada.

Advanced Obstetrical Ultrasound – Ultrasound for the Enlightened Practitioner-Revisited. John Hobbins, MD – Director. 1) *Use of Venous Doppler in IUGR*, 2) *Algorithm for the management of IUGR*, and 3) *Management of Rh Disease*. May 13-14, 2004. Denver, CO.

Perinatal Care – Update conference at The Children’s Hospital. *Operative Vaginal Delivery: An Update*. May 6th, 2004

2004 Annual meeting of the American College of Obstetricians and Gynecologists – Two 060 Postgraduate courses: 1) Saturday 060 Course: Ultrasound in Obstetrics: i) Role of Ultrasound in Multiple Gestation, ii) Doppler in Obstetrics, iii) 3D Ultrasound. 2) Wednesday 060 Course: Obstetrical Emergencies: i) Postpartum Hemorrhage, ii) Shoulder Dystocia, iii) Trauma in Pregnancy. Philadelphia, PA. May 1-5, 2004.

2004 Annual meeting of the Society for Maternal-Fetal Medicine - Postgraduate Course (Director: Alfred Abuhamad, MD). *Doppler vlocimetry in the management of IUGR*. New Orleans, LA 2004.

Obstetric Ultrasound in the High Risk Patient. Institute for Advanced Medical Education. 1) *Doppler Velocimetry: The best way to evaluate the IUGR fetus*. 2) *Algorithm for IUGR*, 3) *Ultrasound and the Twin Pregnancy*, 4) *Noninvasive monitoring of the anemic fetus*. Las Vegas, NV, October, 2003

Colorado High Risk Maternity and Newborn Program. March of Dimes and 3rd Annual Joseph Butterfield Lecture. *Trauma in Pregnancy*. Laramie, WY. October, 2003.

Advanced Obstetrical Ultrasound. Director-John Hobbins, MD. 1) *How Doppler Helps Manage the IUGR Fetus*, 2) *Maternal Uterine Arteries – View by Doppler*, 3) *Diagnosis and Management of Fetal Anemia by Ultrasound*. Westin Tabor Center Hotel. Denver, CO May 14-16, 2003.

2003 Annual meeting of the American College of Obstetricians and Gynecologists – 060 Postgraduate Course. Obstetrical Emergencies Course: 1) *Postpartum Hemorrhage*, 2) *Shoulder Dystocia*, 3) *Trauma in Pregnancy*. New Orleans, LA. April 29-30, 2003.

Studies in Maternal and Perinatal Mortality (Director: Harvey Cohen, MD). *Panelist with Watson Bowes, MD. on Instrumental Delivery*. Denver, CO March, 2002.

Vail Obstetrics & Gynecology Conference. 1) *Management of Twin Pregnancy – An Update*, 2) *Postpartum Hemorrhage – panel discussion*. Course Director-Ron Gibbs, MD. Vail, CO February, 2002.

Colorado Gynecologic and Obstetrical Society Meeting. *Management of the IUGR Fetus: An Update*. February 10, 2003.

2003 Annual meeting of the Society for Maternal-Fetal Medicine - Postgraduate Course Lecture. *Venous Doppler velocimetry in the management of IUGR*. San Francisco, CA.

Advanced Obstetrical Ultrasound. 1) *The Dating Game: How to Use it Wisely*, 2) *Amniotic Fluid Regulation-Too Much? Too Little?* 3) *The Fetal Circulation System*, 4) *Management of Rh Disease – The ABO's- Negative and Positive*. Holiday Inn-Denver Downtown. Denver, CO May 8-10, 2002.

Vail Obstetrics & Gynecology Conference (Course Director-Ron Gibbs, MD). 1) *Operative Vaginal Delivery: An Update*; 2) *IUGR: Diagnostic and Management Pearls*. Vail, CO February, 2002.

Obstetric Ultrasound in the High Risk Patient. Institute for Advanced Medical Education course faculty. 1) *Nuchal translucency and other first trimester ultrasound features*. 2) *Doppler in the management of IUGR*. Las Vegas, NV, November, 2001.

Advanced Obstetrical Ultrasound. John Hobbins, MD - Director. 1) *Umbilical and Middle Cerebral Artery Doppler* 2) *IUGR Management-An Algorithm*, 3); *Doppler Live Demonstration*. Denver, CO July, 2001

Bunkley Day Proceedings (Resident Research Day) and Baker Society – Guest Faculty. 1) *Nitric Oxide and the Uteroplacental-Fetal Unit*, 2) *Doppler and the IUGR Fetus*, 3) *Judging of resident research projects and presentations*. Texas A&M University System Health Sciences Center/Scott & White Hospital. March, 2001. Temple, Texas.

Ultrasound Diagnosis and Management of Fetal Growth Abnormalities. American Institute of Ultrasound and Medicine course faculty. Lectures: 1) *Current Research in IUGR*, 2) *The*

Umbilical Artery Story, 3) *The Venous Side of the Fetal Circulation*. 4) *Live Demonstration/Cases*. LV, Nevada. November, 2001.

Obstetric Ultrasound in the High Risk Patient. Institute for Advanced Medical Education course faculty.: 1) "Other Features of the First Trimester Pregnancy"; 2) "The Diagnosis of IUGR: Biometric Pearls"; 3) "Doppler in the Management of IUGR." Las Vegas, Nevada. September, 2000.

Advanced Obstetrical Ultrasound. John Hobbins, MD - Director. Adam's Mark Hotel. *Doppler in Obstetrics: Who? What? When? Where? and Why?*. Denver, Colorado. May, 2000

The 2000 New Mexico Women's Health Care Seminar. New Mexico Section of ACOG District VIII. 1) *Operative Vaginal Delivery: An Update*, 2) *Level II Ultrasound - Workshop*. Hilton Hotel. Albuquerque, New Mexico. February, 2000.

NICHD Conference-Amniotic Fluid Biology: Basic and Clinical Aspects. Co-Chairs: Michael Ross, MD, and Robert Brace, Ph.D. *Clinical correlate: Use of amniotic fluid cavity to deliver therapeutic agents: antibiotics, hormones, nutrients, digoxin*. Hutzel Hospital. Detroit, Michigan. September, 1999

American Gynecological and Obstetrical Society Annual Meeting. AAOGF Scholar Presentation. *Role of nitric oxide in the heat-stressed ovine model of intrauterine growth restriction*. La Costa Resort, CA. September, 1999

Burroughs Wellcome Fund – Career Awards Meeting. *Early gestation eNOS protein content in the placenta, uterine and umbilical vessels in the heat-stress ovine model of intrauterine growth restriction*. Coronado, CA. July, 1999

20th Annual Perinatal Clinical Update. 1) *Management of Meconium*. 2) *Forceps Use in Delivery*. The Children's Hospital, Denver, CO. May, 1999

40th Annual T.F. Bunkley Lectureship, 12th Annual Resident Research Day, and 9th Annual Meeting of the Baker Society. Guest Alumni Faculty. Resident Paper and Presentation judge. *Ethics in Obstetrics*. Scott & White Hospital, Temple, TX. March, 1999.

7th Annual OB/GYN Ultrasound Update for Clinical Practice. *Intrauterine Growth Restriction*. Fort Lauderdale, FL. December, 1998.

44th Family Practice Review, *Basic Obstetrical Ultrasound*. UCHSC, Estes Park, CO - June, 1998.

Ultrasound: A Practical Approach (Director: John C. Hobbins, M.D.). 1) *Amniotic Fluid*. 2) *Intrauterine Growth Restriction*. Denver, CO. May, 1998

43rd Family Practice Review, *Basic Obstetrical Ultrasound*. UCHSC, Estes Park, CO - June, 1997.

43rd Family Practice Review, *Basic Obstetrical Ultrasound*. UCHSC, Denver, CO - October, 1997.

10th Annual Scott and White Resident Research Day and 3rd Annual Baker Society Meeting. *Operative Vaginal Delivery: An Update*. Temple, Texas, April, 1996.

9th Annual Scott and White Resident Research Day and 2nd Annual Baker Society Meeting. *Research at the University of Colorado - "Ewe won't believe it."* Temple, Texas, March, 1996

21st Annual Perinatal Seminar. *Common Viral infections in Pregnancy*, Scott & White Hospital, Temple, Texas, November 10, 1994

7th Annual Scott & White Resident Research Day. *Life After Residency as a Fellow*. Temple, Texas, April, 1994.

Grand Rounds / Invited presentations

University of Missouri, Dept of OB/GYN, Grand Rounds. Controversies in the Management of IUGR. October 15, 2017.

Cheyenne Regional Medical Center. Grand Rounds. Management of Twins: An Update. August 13, 2015. Cheyenne, WY

The University of Colorado School of Medicine; Dept of Pediatrics. Neonatal Noon Conference. Management of IUGR – An Update. March 19, 2014.

Colorado Institute for Maternal & Fetal Health Grand Rounds. IUGR Management. Children's Hospital of Colorado. March 19, 2013.

The University of Colorado School of Medicine; Dept of OB/GYN Grand Rounds. Management of IUGR – an update. September 19, 2012.

Texas A&M Health Sciences Center College of Medicine, Department of OB/GYN 53rd Annual T.F. Bunkley Lectureship & 25th Annual Resident Research Day: 1) *Guest Faculty for Resident Research Day Judging*, and 2) *Guest Lecturer for the 4th Annual F. Lurry Leavelle Lectureship*. Temple, TX, April 27, 2012.

University of Massachusetts, Department of OB/GYN, Grand Rounds. *IUGR: Update on Management*. May 18, 2011

St. Joseph's Hospital. Department of OB/GYN. Resident Lecture. *IUGR Lecture* Denver, CO May, 2011.

St. Joseph's Hospital. Department of OB/GYN. Resident Lecture. *Cervical Length and PTB* Denver, CO March 14, 2010.

Valley View Hospital. Department of OB/GYN Grand Rounds. *Ultrasound and Cervical Length*. Glenwood Springs, CO. March 18, 2010

49th Annual T.F. Bunkley Lectureship, 21st Annual Resident Research Day and 17th Annual Baker Alumni Society Meeting. Visiting professor invitation and resident research judge.
1) *Operative Vaginal Delivery-An Update* , 2) *management of Intrauterine growth restriction*.

31st Annual Graffino-Collins Memorial Lectureship. Visiting professor invitation. *Obstetrical Emergencies: 1)Operative Vaginal Delivery , 2) Trauma In Pregnancy*. Women's Hospital. Baton Rouge, LA. January 11th, 2008.

UCDHSC; Neonatology Noon Conference. *Trauma in Pregnancy*. AMC. December 6, 2007

UCDHSC; CNM Journal Club. *FHR Monitoring*; Denver, CO December 4, 2007

Rose Medical Center, Department of OB/GYN; Grand Rounds. *Shoulder Dystocia*, Denver, CO September 18, 2007

Wayne State University/Detroit Medical Center. Department of OB/GYN. Grand Rounds. 1) *Management of Rh Disease*, and 2) *Doppler in the Management of IUGR*. Detroit, MI September 13th, 2005

University of Colorado Health Sciences Center. Department of OB/GYN. Grand Rounds. *Management of Rh Disease*. Denver, CO February 24th, 2005.

University of Colorado Health Sciences Center. Department of OB/GYN. Grand Rounds. *Operative Vaginal Delivery: An Update*. Denver, CO October, 2004.

University of Colorado Health Sciences Center. Department of OB/GYN. Grand Rounds. *Operative Vaginal Delivery: An Update*. Denver, CO April 21, 2003.

University of Colorado Health Sciences Center. Department of OB/GYN. *Venous Doppler Velocimetry in the IUGR Fetus*. Grand Rounds. Denver, CO February 10, 2003.

University of Colorado Health Sciences Center. Department of Anesthesia. Grand Rounds. *Intrapartum Fetal Assessment*. Denver, CO May, 2001.

St. Joseph's Hospital, Department of OB/GYN. Grand Rounds. *Doppler and the IUGR Fetus*. Denver, CO, 2/23/01.

University of Colorado Health Sciences Center. Department of OB/GYN. *Doppler and the IUGR Fetus*. Denver, CO December 5, 2000.

University of Colorado Health Sciences Center. Department of OB/GYN. *Operative Vaginal Delivery: An Update*. Grand Rounds. Denver, CO January 13th, 1998

Denver Health Medical Center. Department of OB/GYN. *Operative Vaginal Delivery: An Update*. Denver, CO October 12, 1998

University of Texas Health Sciences Center. Department of OB/GYN. Grand Rounds. *The Ins and Outs of Fetal Breathing*. Houston, TX May 2nd, 1995.

Resident Research

6th Annual Scott & White Resident Research Day. Temple, TX, March 1993

1) *Hyaline Membrane Disease Surfactant Prophylaxis in the Preterm Baboon: A Comparison of Postpartum and In Utero Therapy*, and 2) *Laparoscopic Insufflation in the Pregnant Baboon: Maternal & Fetal Effects*.

5th Annual Scott & White Resident Research Day, Temple, TX, March 1992

Surfactant Replacement Therapy In Utero for Prevention of Hyaline Membrane Disease in the Preterm Baboon.

4th Annual Scott & White Resident Research Day. Temple, TX, April 1991

Effects of Intra-amniotic Administration of Exosurf in Preterm Rabbit Fetuses.

18th Annual Perinatal Seminar. *Effects of Intra-amniotic Administration of Exosurf in Preterm Rabbit Fetuses*. Scott & White Hospital. September 1992

Texas Branch American Medical Association for Laboratory Animal Science. Annual Meeting. *Effects of Intra-amniotic Administration of Exosurf in Preterm Rabbit Fetuses*. San Antonio, Texas, May 1991

Perinatal Outreach Lectures

Northwest Perinatal / Legacy MFM. CME lecture. Prenatal diagnosis and Management of Myelomeningocele. Portland Oregon. July 8th, 2017.

Cheyenne Regional, Late Preterm Steroid Administration, August 9th, 2016

Parker Adventist Hospital. CME Lecture. Late Preterm Steroid Administration.

Parker Adventist Hospital: CME Lecture. Cervical Length and Management of Twins. August 13, 2015.

Platte Valley Medical Center. CME Lecture. Management of Twins: An Update. July 8th, 2015. Brighton, CO.

CIMFH Aspen Outreach Lecture: Joint lecture with Jeanne Zenge via Telemedicine conference at CHC Teleconference Center; Obstetrical and Neonatal Congenital Heart Disease and Management Around Birth. May 13, 2015.

CIMFH Outreach Lecture: Fetal Medicine: Innovations, Diagnosis & Treatment Strategies. (Dr. Crombleholme, Dr. Howley and Dr. Galan). Grand Junction, CO. March 16, 2015.

North Colorado Medical Center. Management of IUGR: An Update, Greeley CO, April 22, 2014

Longmont United Hospital Grand Rounds, Management of Rh Disease, October, 2013.

Lutheran Hospital Grand Rounds. Management of IUGR. Denver, CO, April, 2013.

Cheyenne Regional Medical Center. *IUGR Lecture*. Cheyenne WY, February, 2012.

Management of Hypertension in Pregnancy. Yampa Valley Med Ctr, Steamboat Springs, CO December, 2011.

Management of Hypertension in Pregnancy. Platte Valley Medical Center, Brighton, CO November, 2011

Ultrasound, PTB and Short Cervix. Cheyenne Regional Med Ctr, Cheyenne, WY, July 28, 2011
Hypertension In Pregnancy: An Update. Platte Valley Medical Center, Brighton, CO June 17, 2011
To Mag or Not to Mag? Cheyenne Regional Med Ctr, Cheyenne, WY, January 13, 2011
Operative Vaginal Delivery: An Update. Northern Colorado Medical Center, Greeley, CO September 10, 2010
Trauma in Pregnancy. McKee Medical Ctr. Loveland, CO March 7, 2010.
Postpartum Hemorrhage. St. Anthony's Summit Hospital, Frisco, CO March 18, 2010.
Ultrasound of the Cervix and Preterm Labor. Valley View Hospital CME Lecture. Glenwood Springs, CO. March 18, 2009
Trauma In Pregnancy. Delta County Memorial Hospital CME lecture. June 5, 2009, Delta, CO
Ultrasound of the Cervix and Preterm Labor. Valley View Hospital CME Lecture. Glenwood Springs, CO. June 4, 2009
FHR Monitoring/Acid-Base Balance. Montrose Memorial Hospital CME lecture, June 5, 2009. Montrose, CO.
FHR Monitoring/Acid-Base Balance. Boulder Community Hospital, April 24, 2009
Shoulder Dystocia, Estes Park Hospital, Estes Park, CO, February 19, 2009
Trauma in Pregnancy. Swedish Hospital, Denver, CO, December, 21 2008
Trauma in Pregnancy. Estes Park Hospital, Estes Park, CO, August 8, 2008
Trauma in Pregnancy. Littleton Adventist Hospital, Littleton, CO, July 25, 2008
Trauma in Pregnancy. Northern Colorado Medical Center, Greeley, CO, July 8, 2008
Trauma in Pregnancy. Aurora Regional Hospital, North Campus, Aurora, CO, April 25, 2008
Shoulder Dystocia. An Update. Boulder Community Hospital, CO April 23rd, 2007
Preterm Labor. Mag vs. No Mag. Parker Adventist Hospital, Parker, CO March 14th, 2007
Shoulder Dystocia. Parker Adventist Hospital, Parker, CO November 8th, 2006
Doppler velocimetry in pregnancy. Glenwood Springs, CO June 16th, 2005
Trauma in Pregnancy. NCMC, Greeley Colorado, March 11th, 2005
Neonatal Encephalopathy. St. Anthony's Central, February 16th, 2005
Encephalopathy. Aurora South Campus. October 25, 2004
Operative Vaginal Delivery-An Update. Valley View Hospital, Glenwood Springs, CO October 20, 2004.
Neonatal Encephalopathy. Longmont United Hospital. November 19, 2004
Operative Vaginal Delivery. McKee Women's Center. April 21, 2004
Operative Vaginal Delivery. Longmont United Hospital, September, 2002
Operative Vaginal Delivery. Platte Valley Hospital, Greeley Colorado; November, 1999

Neonatal/Perinatal Conferences

Neonatal Noon Conference; Management of IUGR: An Update. Children's Hospital of Colorado, Aurora, CO, 2014
Role of Placenta in IUGR: A Clinical Perspective. Reproductive Development Lecture Series, Basic Reproductive Sciences Division, UCHSC, April 27th, 2006
Prenatal Diagnosis Conference. The Fetal Urinary Tract. UCHSC. Denver, CO September, 2005
Neonatology Conference; Intrapartum Fetal Assessment. UCHSC. Denver, Colorado. September, 2001.

Neonatology Conference; Doppler and the IUGR fetus. UCHSC. Denver, Colorado. December, 2000.
Neonatology Conference; Management of Meconium –Stained AF, UCHSC, Denver, CO, Nov., 1999
Neonatology Conference; Operative Vaginal Delivery & Fetal Outcome; UCHSC, June, 1998
Neonatology Conference; Amniotic Fluid Balance; UCHSC, April, 1996.
Obstetrical Conference;: Management of Meconium. St. Anthony's Central. Denver, CO, March, 1999
Perinatal Conference; Fetal Lung Maturation; UTHSC at Houston, Houston, TX February, 1995
Perinatal Conference; Hydrocephalus; UTHSC at Houston, Houston, TX September, 1994
L&D Nursing In-Service; Operative Vaginal Delivery & Nursing Role, UCHSC, May, 1998

TEACHING RECORD

Resident/Student Lectures

CUSOM Dept OB/GYN Resident Lecture: Management of IUIGR, December 13, 2017.
CUSOM Dept OB/GYN Resident Core Lecture; Management of Twins, November, 2013
MS III Lectures. FHR Monitoring. UCHSC. 4/00, 5/00, 6/00. 8/00, 9/00, 11/00, 3/01, 4/02, 8/03, 8/04, 2/05, 5/05
"Great Escape" 2nd year resident lecture: Antepartum testing, FHR monitoring, Acid-Base Balance; UCHSC 10/98, 7/01
Resident Lecture; Basic OB Usg; UCHSC, 6//07, 6/08, 6/09, 6/10, 6/11
Resident Lecture; Fetal Heart Rate Monitoring; UCHSC, 7/96, 7/98, 8/00, 8/04, 8/05, 8/06, 6/07, 6/08, 6/09, 6/10
Resident Lecture; Fetal Acid-Base Balance; UCHSC, 10/96, 9/99, 7/01, 8/04, 8/05, 8/06, 6/07, 6/08, 6/09, 6/10
Resident Lecture; Shoulder Dystocia; UCHSC, 8/96, 6/06, 5/08, 5/28/2010
Resident Lecture; PPH; UCHSC, 8/96, 5/08, 5/28/2010
Resident Lecture; Oligohydramnios; UCHSC, March, 1996
Resident Lecture; Herpes and Pregnancy; UTHSC at Houston, June, 1994
Resident Lecture; Diabetes in Pregnancy; UTHSC at Houston, 6 lectures, 1993-5.

Courses/Syllabi

New intern hands-on ultrasound course (lectures followed by (hands-on Ultrasound experience with patients on the antepartum service)	2007-2010
Course Director "Maternal-Fetal Physiology" lecture series. A post-graduate level course created for Maternal-Fetal Medicine (MFM) and Neonatal Medicine fellows conducted in the spring of every three years. This course addresses the basic science, physiology and clinical perspectives of high-risk maternal and obstetrical conditions and the impact these conditions have on the neonate. Lectures are given by faculty from a variety of departments including, but not limited to MFM, neonatology, cardiology, pathology, and immunology divisions/departments. This course is approved by the American College of Obstetricians and Gynecologists (ABOG). The MFM fellows receive credit for one of two postgraduate course that are required by the ABOG.	2000-present

Fellowship	Director, Maternal-Fetal Medicine Fellowship Department of Obstetrics and Gynecology, UCDSOM	2000-present
------------	---	--------------

Attending Duties: Obstetrical attending on labor and delivery, antepartum (AP) and postpartum (PP) services approximately 10 weeks per year that includes twice daily (0730 and 1700) 30-45 minute Labor and Delivery Board (check-out) rounds (1 MFM fellow, 2 chief residents and 3-4 junior residents, 1-4 medical students), daily AP and PP bedside rounds with the 3rd year resident and the MFM fellow on the antepartum service (plus any 4th year medical student sub-intern). In 2006, our department made a change from didactic resident teaching Monday mornings to "rotation based learning. In this new format, chapters are given as reading assignments. On the OB rotation, this learning/teaching activity occurs every Monday morning from 0830 to 1030 and is run by the OB attending of the week. I am the primary instructor of invasive fetal procedures to the MFM fellows, specifically fetal blood sampling and fetal blood transfusions which may be scheduled for any day of the week while on or off service. Approximately, 4-6 times per year I serve as the attending for the resident's High-Risk or Diabetes clinic. I spend ½ day per week (Tuesday afternoons) at the AOP Prenatal Diagnosis Unit performing and teaching ultrasounds to fellows and residents as they rotate through the ultrasound unit.

Teaching Awards Listed above

Trainees and mentees Listed in the teacher's portfolio

GRANT SUPPORT

On-Going Research Support

1UO1HFD087216-01 (PI: Dinesh Shah, MD)

Source: NIH

Title: Advanced MRI for Uteroplacental Flow, Perfusion, Oxygenation & Inflammation

Role: Consultant: My specific role involves the use of triplex mode ultrasound to measure umbilical volume flow in this study population and for correlation to MRI detected flow.

Completed Research Support

1 R01 DK 076648-01A2 (PI: Dana Dabelea, PhD,

8/1/2009 -7/31/2014

Title: Exploring the Fuel-Mediated Programming of Neonatal Growth

Role: Co-investigator (3% FTE)

Source: NIH

Role: Co-investigator in this project involves the medical oversight of participants, participation in the interpretation of results, review and editing of reports and publications.

1 R01 DK 078645 (PI: Linda A. Barbour, MD, MSPH)

3/13/10-3/14/2015

Source: NIH Title: Regulation of Maternal Fuel Supply and Neonatal Adiposity

Role: Co-investigator (8% FTE). My role in this project involves clinical assessment of fetal subcutaneous (fat) and lean mass accretion with 2D and 3D ultrasound which is to be correlated with neonatal DEXA scans of fetal fat stores.

- 1 K99 HD55054-01A2 (PI: Juan Arroyo, PhD) 6/1/2009-5/31/2009
Source NIH Title: Apoptosis in an ovine model of intrauterine growth restriction (IUGR)
Role: Mentor for first two years of the K99 award with Dr. Arroyo assuming independence in years 3-5, and continued participation in the interpretation of results, review and editing of reports and publications.
- 1 R01 HL71990-01A1 (PI: Henry L. Galan, MD) 9/1/03-8/31/07 (1-year no cost extension)
Source: NIH; \$250,000/year
Title: Fetal and Neonatal Hemodynamics in IUGR Pregnancies
Role: PI (40%). This project investigates mechanisms of blood flow control in an ovine model of IUGR
- K12HD01271 Women's Reproductive Health Research Scholar Award 7/1/00-8/31/03
Source: NIH; \$100,000/year
Department of OB/GYN, University of Colorado School of Medicine
Title: Vasoregulation in the IUGR fetus.
The purpose of this grant is to investigate nitric oxide synthase mRNA expression in the ovine placenta involving the isolation of the eNOS gene isolation in the sheep.
- 2-RO1HD34837-06. (PI: Frederick C Battaglia, MD; 2/02 – 2/07; (1-year no cost extension)
Source: NIH \$250,000/year
Title: Fetal Velocimetry & Amino Acid Transport in Pregnancy
Role: Co-investigator (yrs 1-3 @ 10%); PI (yrs 4&5 @ 30%) This project involves clinical studies of amino acid and carbohydrate transport in pregnant women. Galan's efforts are geared at the management of the obstetrical components of the protocols. He will become PI for this project at 30% effort in year 3 of the grant.
- RO1 HD41505 (PI: Randall B. Wilkening, MD) 07/02 – 06/07; (1-yr no cost extension)
Source: NIH \$250,000/year
Title: Fetoplacental amino acid metabolism in IUGR pregnancies
Role: Co-Investigator (10%). Dr. Galan's research efforts in this grant are to assess fetal growth in these projects using an ovine model of IUGR.
- Bridge Funding Grant. Dean's Office. UCDHSC. 2009-2010
\$50,000
- SIRC Funding. Clinical Translational Research Core. UCHSC. 2006-2008
Co-PI with Ches Thompson, MD \$300,000
- Academic Enrichment Fund. Department of Ob/Gyn, UCHSC 1996
Distribution of Intra-amniotic Iron Dextran in the Preterm Rabbit Fetus. \$9,000
- American Association of Obstetricians and Gynecologist Foundation Fellow and 1997-2000
Burroughs-Wellcome Award. Dept of Obstetrics and Gynecology, \$50,000/year
University of Colorado Health Sciences Center. "Role of endothelial Nitric
Oxide in the Uteroplacental Circulation in an Ovine Experimental Model
of Severe Intrauterine Growth Restriction".

Berlex Scholar Award. Award declined for acceptance of AAOGF award.	1997-98 \$60,000
Underrepresented Minority Investigator Supplement-Long Term PI: Dr. F.C. Battaglia. NIH Program Project grant (Project II and III) PO 1 HD20761--Metabolic Regulation of Fetal Growth \$419,714.00.	1997-2000 \$50,000/year.
ACOG/Healthdyne Perinatal Fellowship Award. "Combination In Utero and Postnatal Surfactant Therapy for the Prevention of RDS in the Preterm Lamb.	1996-97 \$25,000
Ross Laboratories. Survanta Supply - 600cc. (\$2,500)	1996
Academic Enrichment Fund. University of Colorado Health Sciences Center, Dept. of OB/GYN. Distribution of Intra-amniotic Iron Dextran in the Preterm Sheep Fetus.	1996 \$7,000
NIH Perinatal Research Grant (T32) Department of Pediatrics, Division of Neonatology University of Colorado Health Sciences Center	1995-1997 \$35,000/yr
Southern Medical Association-Research Award. Surfactant Replacement Therapy In Utero for Prevention of Hyaline Membrane Disease in the Preterm Baboon.	1992 \$2,500
ADR Ultrasound Educational Grant, Bothell, Washington. Effects of Intra-amniotic Administration of Exosurf in Preterm Rabbit Fetuses.	1990 \$1500

BIBLIOGRAPHY

Peer Reviewed Publications:

1. Sames TA, Hendricks JC, **Galan HL**, Matheny RG. Anaplastic Carcinoma of the Thyroid Presenting as a Mediastinal Mass with Stridor. *Contemp Surg* 38(3), 48A-48H, 1991.
2. **Galan HL**, and Kuehl TK. Intra-amniotic Administration of Exosurf in Preterm Rabbit Fetuses. *Obstetrics & Gynecology* 80:604-608, 1992.
3. **Galan HL**, Yandell PM, and Knight AB. Prenatal Intravenous Syphilotherapy. *Infect Dis Obstet Gynecol* 1:7-11, 1993.
4. **Galan HL**, Cipriani C, Coalson JJ, Bean JD, Collier G., and Kuehl TK. Surfactant Replacement Therapy *In Utero* for Prevention of Hyaline Membrane Disease in the Preterm Baboon. *Am J Obstet Gynecol* 169(4):817-824, 1993.
5. **Galan HL**, McDowell AB, Johnson PR, and Knight AB. A Case Study of Cerebral Vein Thrombosis Associated with Decreased Free Protein S. *J Reprod Med* 40:859-862, 1995..
6. Reedy MB, **Galan HL**, and Patterson K. Acute Pelvic Inflammatory Disease Following Tubal Sterilization. *J Reprod Med* 39:752-754, 1994

7. **Galan HL**, Reedy MB, Bean JD et al. Maternal and fetal effects of laparoscopic insufflation. *Anesthesiology* 81:1159-1163, 1994.
8. Coates KW, **Galan HL**, Shull BL, and Kuehl TK. The Squirrel Monkey: An Animal Model of Pelvic Relaxation. *Am J Obstet Gynecol* 172:588-93, 1995.
9. Reedy MB, **Galan HL**, Bean JD, Carnes A, Knight AB, and Kuehl TJ. Laparoscopic Insufflation in the Pregnant Baboon: Maternal and Fetal Effects. *Journal of the American Association Gynecologic Laparoscopists* 2(4):399-406, 1995.
10. **Galan HL**, Reedy MB, Starr J, and Knight AB. Fresh Frozen Plasma Prophylaxis for Hereditary Angioedema During Pregnancy. *J Reprod Med* 41:541-4, 1996.
11. **Galan HL**, Cipriani C, Coalson JJ, Bean JD, Collier G, and Kuehl TK. Hyaline Membrane Disease Surfactant Prophylaxis in the Preterm Baboon: A Comparison of Postpartum and *In Utero* Therapy. *Prenat Neonat Med* 1:122-130, 1996.
12. Kinsella JP, Parker TA, **Galan HL**, Sheridan BC, Halbower AC, Abman SH. Effects of Inhaled Nitric Oxide on Pulmonary Edema and Lung Neutrophil Accumulation in Severe Experimental Hyaline Membrane Disease. *Ped Res* 41(4):457-463, 1997.
13. Reedy MB, **Galan HL**, Richards WE, Preece CK, Wetter PA, Kuehl TJ. Laparoscopy during pregnancy. A survey of laparoendoscopic surgeons. *J Reprod Med* 42(1):33-8, 1997.
14. Ivy DD, Parker TA, Ziegler JW, **Galan HL**, Kinsella JP, Tuder RM, Abman SH. Prolonged Endothelin: A Receptor Blockade Attenuates Chronic Pulmonary Hypertension in the Ovine Fetus. *J Clin Invest* 99(6):1179-1186, 1997.
15. **Galan HL**, Tennant L, Marsh D, Creasy RK. Paralysis of the Preterm Rabbit Fetus Inhibits the Pulmonary Uptake of Iron Dextran within the Fetal Lungs. *Am J Obstet Gynecol* 177:42-9, 1997.
16. **Galan HL**, Montalvo J, Deaver J. Seroresponse to Syphilotherapy in Pregnancy. *Infect Dis Obstet Gynecol* 5(1):23-28, 1997.
17. **Galan HL**, Baiza R, and Knight AB. Chiari Malformation and Eclampsia: Case Report and Review of the Literature. *Prenat Neonat Med* 2:376-8, 1998.
18. **Galan HL**, Hussey M, Chung M, Hobbins JC, Battaglia FC, Meschia G. Doppler velocimetry of growth retarded fetuses in an ovine model of placental insufficiency. *Am J Obstet Gynecol* 178:451-6, 1998.
19. Parker TA, **Galan HL**, Kinsella JP, Richter GT, Horan MP, Abman SH. Chronic estradiol treatment causes a marked and sustained increase in pulmonary blood flow in the late gestation ovine fetus. *Chest* 114(1 Suppl):69S, 1998.
20. **Galan HL**, Hussey M, Barbera A, Ferrazzi E, Chung M, Hobbins JC, Battaglia FC. Relationship of fetal growth to duration of heat stress in an ovine model of placental insufficiency. *Am J Obstet Gynecol* 180:1278-82, 1999.

21. Barbera A, **Galan HL**, Ferrazzi E, Rigano S, Jozwik M, Battaglia FC, Pardi G. The relationship of umbilical vein blood flow to growth parameters in the human fetus. *Am J Obstet Gynecol* 181:174-9, 1999.
22. **Galan HL**, Jozwik M, Rigano S, Regnault TRH, Hobbins JC, Battaglia FC, Ferrazzi E. Umbilical vein blood flow in the ovine fetus: comparison of Doppler and steady-state techniques. *Am J Obstet Gynecol* 181:1149-53, 1999.
23. Kinsella JP, Parker TA, **Galan H**, Sheridan BC, Abman SH. Independent and combined effects of inhaled nitric oxide liquid perfluorochemical, and high-frequency oscillatory ventilation in premature lambs with respiratory distress syndrome. *Chest* 116 (1 Suppl)15S-16S, 1999.
24. Kinsella JP, Parker TA, **Galan H**, Sheridan BC, Abman SH. Independent and combined effects of inhaled nitric oxide liquid perfluorochemical, and high-frequency oscillatory ventilation in premature lambs with respiratory distress syndrome. *Am J Respir Crit Care Med* 159:1220-1227, 1999.
25. Parker TA, Kinsella JP, **Galan HL**, Le Cras TD, Richter GT, Markham NE, Abman SH. Prolonged infusions of estradiol dilate the ovine fetal pulmonary circulation. *Ped Research* 47:89-96, 2000.
26. Parker TA, Ivy DD, **Galan HL**, Grover TR, Kinsella JP, Abman SH. Estradiol improves pulmonary hemodynamics and vascular remodeling in perinatal pulmonary hypertension. *Am J Physiol Lung Cell Mol Physiol* 278(2):L374-81, 2000.
27. **Galan HL**, Rigano S, Chyu J, Beaty B, Bozzo M, Hobbins JC, Ferrazzi E. Comparison of low and high altitude Doppler velocimetry in the peripheral and central circulations of normal fetuses. *Am J Obstet Gynecol* 183:1158-61, 2000.
28. Ferrazzi E, Rigano S, Barbera A, Giovannini N, Vinci M, **Galan HL**, Battaglia FC. Umbilical vein blood flow Doppler measurements in growth restricted fetuses. *Ultrasound Obstet Gynecol* 16(5):432-438, 2000.
29. **Galan HL**, Regnault TRH, Le Cras TD, Tyson RW, Anthony RV, Wilkening RB, Abman SH. Cotyledon and binucleate cell nitric oxide synthase expression in an ovine model of fetal growth retardation. *J Appl Physiol* 90:2420-2426, 2001.
30. **Galan HL**, Rigano S, Radaelli T, Bozzo M, Chyu J, Hobbins J, Ferrazzi E. Reduction of Subcutaneous Mass, but not Lean Mass, in Normal Fetuses in Denver, Colorado. *Am J Obstet Gynecol* 185:839-44, 2001.
31. Ferrazzi E Bozzo M, Bellotti M, Rigano S, Battaglia F, **Galan HL**. Persistent reduction in umbilical vein flow velocity in the growth restricted fetuses: A longitudinal study. *Am J Obstet Gynecol* 185:839-44, 2001.
32. Bennett M, **Galan H**, Owens G, Dewey R, Banks R, Hobbins J, Accurso F, Schaack J. *In Utero* gene delivery by intra-amniotic injection of a retroviral vector producer cell line in a non-human primate model. *Hum Gene Ther* 12:1857-1865, 2001.
33. Ferrazzi E, Bellotti M, **Galan HL**, Pennati G, Bozzo M, Rigano S, Battaglia FC. Flow measurements in the human fetus: Doppler investigation in IUGR: from Qualitative Indices to Flow measurements. A review of the experience of a collaborative group. Published in: *Human Fertility and Reproduction: The Oocyte, the Embryo,*

-
- and the Uterus Edited by Carlo Bulletti, Dominique de Ziegler, Seth Guller, and Mortimer Levitz. Annals of the New York Academy of Sciences. 943:316-25,2001.
34. Regnault TRH, Orbus RJ, de Brijer B, Davidsen ML, Limesand S, **Galan HL**, Wilkening RB, Anthony RV. Placental expression of VEGF, PIGF and their receptors in a model of placental insufficiency – intrauterine growth restriction (PI-IUGR). *Placenta* 23: 132-144, 2001
 35. Dunn TS, McFee J, Beaty B, George B, **Galan HL**. DeLee suction. Does it have clinical significance?. *Journal of Reproductive Medicine* 46(10):905-8, 2001.
 36. Regnault TRH, **Galan HL**, Parker TA, Anthony RV. Placental development in normal and compromised pregnancies. *Placenta* 2002, 23 Suppl A. *Trophoblast Research*, 16:S119-S129.
 37. Ferrazzi E, Bellotti M, Bozzo M, Rigano S, Pardi G, Battaglia F, **Galan HL**. The temporal sequence of changes in fetal velocimetry indices for growth restricted fetuses. *Ultrasound Obstet Gynecol* 19:140-6, 2002.
 38. **Galan HL**, Tyson WR, Bennett M, Owens G, Accurso F, Regnault TRH, Hobbins JC, Schaack J. Inefficient Retroviral Transduction of Sheep in utero following Injection of Packaging Cells. *Am J Obstet Gynecol* 187:469-74, 2002.
 39. **Galan HL**, Ferrazzi E, Hobbins. Intrauterine growth restriction (IUGR): Biometric and Doppler assessment. *Prenat Diagn* 22:331-337, 2002.
 40. Regnault TRH, de Brijer B, **Galan HL**, Davidsen ML, Trembler KA, Battaglia FC, Wilkening RB, Anthony RV. The relationship between transplacental oxygenation diffusion and placental expression of PIGF, VEGF and their receptors in a placental insufficiency model of FGR. *J. Physiol.* 550.2:641-56, 2003.
 41. Pollack J, Moise K, Tyson W, **Galan HL**. The role of fetal breathing motions compared with gasping motions in pulmonary airway uptake of intra-amniotic iron dextran. *Am J Obstet Gynecol* 189:958-62, 2003.
 42. Gibbs RS, Rumak C, **Galan HL**, Rosenberg A. Suggestions for Practice to Accompany “Neonatal Encephalopathy and Cerebral Palsy”. *Obstet Gynecol* 103:778-9, 2004.
 43. Padoan A, Rigano S, Ferrazzi E, Beaty BL, Battaglia FC, **Galan HL**. Differences in Fat and Lean Mass Proportions in Normal and Growth Restricted Fetuses. *Am J Obstet Gynecol.* 191(4):1459-64, 2004.
 44. Carollo TC, Reuter JM, **Galan HL**, Jones RO. Defining fetal station. *Am J Obstet Gynecol.* 191(5):1793-6, 2004.
 45. **Galan HL**, Rigano S, Hobbins J, Ferrazzi E, Anthony RV, Wilkening R, Regnault TRH. Hypertension and abnormal Doppler velocimetry in an Ovine Model of IUGR. *Am J Obstet Gynecol* 192:272-9, 2005.
 46. Baschat AA, **Galan HL**, Bhide A, Berg C, Kush ML, Oepkes D, Thilaganathan B, Gembruch U, Harman CR. Doppler and biophysical assessment in growth restricted fetuses: distribution of test results. *Ultrasound Obstet Gynecol* 27:41-7, 2006.
 47. Barry JS, Davidsen ML, Limesand SW, **Galan HL**, Friedman JE, Regnault TRH, Hay WW. Myocardial glucose transporter and insulin signaling adaptations in ovine hyperthermia-induced fetal growth restriction. *Experimental*

Biology and Medicine May;231(5):566-75, 2006.

48. Arroyo JA, Anthony RV, Parker RV and **Galan HL**. Differential Expression of Placental and Vascular endothelial nitric oxide synthase in an ovine model of fetal growth restriction. *Am J Obstet Gynecol* (Sept);195(3):771-7, 2006.
49. Regnault TRH, de Vrijer B, **Galan HL**, Wilkening RB, Battaglia FC, and Meschia G. Development and mechanisms of fetal hypoxia in severe fetal growth restriction. *Placenta*. Jul;28(7):714-23, 2007.
50. Baschat AA, Cosmi E, Bilardo CM, Wolf A, Berg C, Rigano S, Germer U, Moyano D, Turan S, Hartung J, Bhide A, Muller T, Bower S, Nicolaidis KH, Thilaganathan B, Gembruch U, Ferrazzi, Hecher K, **Galan HL**, Harman CR. . Predictors of neonatal outcome in early-onset placental dysfunction. *Obstet Gynecol* 109:253-61, 2007.
51. Ziebell BT, Arroyo JA, Anthony RV, Parker TA, Regnault TRH, **Galan HL**. Ontogeny of endothelial nitric oxide synthase mRNA and in an ovine IUGR model. *Am J Obstet Gynecol* 420:e1-e5, 2007.
52. Zander K, Staat B, **Galan HL**. May-Thurner syndrome resulting in acute iliofemoral deep vein thrombosis in the postpartum period. *Obstet Gynecol* 111(2):565-9, 2008.
53. Dohnal L, Barry JS, **Galan HL**, Wilkening RB, Anthony RV. Early gestation utero-placental hemodynamics in an ovine model of fetal growth restriction. *Reproductive Sciences* 15(2):203A, 2008.
54. Manogura AC, Turan O, Kush ML, Ber C, Bhide A, Turan S, Moyano D, Bower S, Nicolaidis KH, **Galan HL**, Muller T, Thilaganathan B, Gembruch U, Harman CR, Baschat AA. Predictors of necrotizing enterocolitis in preterm growth restricted neonates. *Am J Obstet Gynecol* 198(6):638e1-638e5, 2008.
55. Arroyo JA, Anthony RV, **Galan HL**. Decreased X-linked inhibitor of apoptosis protein (XIAP) in an ovine model of fetal growth restriction. [Epub 2008.] *Am J Obstet Gynecol*. Jul;199(1):80.e1-8, 2008.
56. **Galan HL**, Marconi AM, Paolini CL, Cheung A, Battaglia FC. The Transplacental transport essential amino acids in uncomplicated human pregnancies. *Am J Obstet Gynecol*. Jan (1):91.e1-7, 2009.
57. Julian C, **Galan HL**, DeSilva W, Wilson M, Cioffi-Ragan D, Schwartz J, Moore L. Lower uterine artery blood flow and higher endothelin relative to nitric oxide metabolite levels are associated with reductions in birth weight at high altitude. *Am J Physiol Regul Integr Comp Physiol* 295(3):R906-15, 2008.
58. Rigano S, Bozzo M, Padoan A, Mustoni P, Bellotti M, **Galan HL**, Ferrazzi E. Small size-specific umbilical vein diameter in severe growth restricted fetuses that die in utero. *Prenat Diagn* 28(10):908-13, 2008.
59. Arroyo JA, Ziebell B, Teng C, Battaglia FC **Galan HL**. Determination of the NAFT5/TonEBP transcription factor in the human placenta. *Systems Biol Reprod Med* 55(4), 164-70, 2009.
60. Arroyo JA, Anthony RV, Parker TA, **Galan HL**. eNOS, NO and the activation of ERK and AKT at mid-gestation and near-term in an ovine model of intrauterine growth restriction. *Systems Biol Reprod Med* 56:62-73, 2010.
61. Arroyo JA, Brown L, Ziebell B, **Galan HL**. mTOR and related signaling pathways in an Ovine Model of Intrauterine Growth Restriction (IUGR). *Am J Obstet Gynecol*-in press

62. Rigano S, Boito S, Pennati G, Padoan A, **Galan HL**, Ferrazzi E. Blood flow volume of uterine arteries in human pregnancies determined by a novel combined use of 3D and bi-dimensional imaging, angio-Doppler and fluid-dynamic modeling. *Placenta* 2010 Jan;31(1):37-43.
63. Chung, D, Kim Y, Phillips JN, Ulloa AI, **Galan HL**, Sanborn BM. Attenuation of canonical transient receptor potential-like channel 6 expression specifically reduces the diacylglycerol-mediated increase in intracellular calcium in human myometrial cells. *Endocrinology* 151(10):406-16, 2010.
64. Regnault TRH, Teng C, de Vrijer B, Wilkening RB, **Galan HL**, Battaglia FC. The tissue and plasma concentration of polyols and carbohydrates in an ovine model of intrauterine growth retardation. *Experimental Biol Med* 235(8):999-1006, 2010.
65. Arroyo JA, Li C, Schlabritz-Loutsefitch N, McDonald T, Nathanielsz P, Galan HL. Increased placental XIAP and caspase 3 is associated with increased placental apoptosis in a baboon model of maternal nutrient reduction. *Am J Obstet Gynecol* 203(4):364.e13-8, 2010
66. Park M-H, **Galan HL**, Arroyo JA. Effect of hypoxia on endothelial nitric oxide synthase, NO production, intracellular survival signaling (p-ERK1/2 and p-AKT) and apoptosis in human term trophoblast. *Am J Reprod Immunol* 65(4):407-14, 2011.
67. Ferrazzi E, Rigano S, Padoan A, Boito S, Pennati G, **Galan HL**. Uterine artery blood flow volume in pregnant women with an abnormal pulsatility index of the uterine arteries delivering normal or intrauterine growth restricted Newborns. *Placenta* 32(7):487-492, 2011. PMID: 21531458.
68. Murtazina DA, Chung D, Ulloa A, Bryan E, **Galan HL**, Sanborn BM. TRPC1, STIM1, and ORAI influence signal-regulated intracellular and endoplasmic reticulum calcium dynamics in human myometrial cells. *Biol Reprod*. 2011 Aug;85(2):315-26.
69. Arroyo JA, Garcia-Jones P, Graham A, Teng CC, Battaglia FC, **Galan HL**. Placental TonEBP/NFAT5 Osmolyte Regulation in an Ovine Model of Intrauterine Growth Restriction" has been published by *Biology of Reproduction Biol Reprod*. 2011 Dec 21. [Epub ahead of print]
70. Hobbins JC, Pihu G, Abuhumad A, Alfirevic Z, Bahado-Singh RO, Benacerraf BR, Berkowitz RL, Cetin I, Copel JA, Eik-Nes S, Frusca T, **Galan HL**, Guaschino S, Mahoney MJ, Marsal K, Malinger G, Marconi AM, Martinelli P, Moore TR, Papageorghiou AT, Platt LD, Rizzo N, Tabor A, Thilaganathan B, Timor-Tritsch IE, Todros T, Yagel S. Antibiotic prophylaxis before amniocentesis. *Prenat Diagn*. 2011 Dec;31(12):1213-4.
71. Metz T, Lynch A, Wolfe P, Barry J, **Galan HL**. Effect of Small for Gestational Age on Hemodynamic Parameters in the Neonatal Period. *Journal of Maternal-Fetal & Neonatal Medicine. J Matern Fetal Neonatal Med*. 2012 Oct;25(10):2093-7.
72. Staat, BC, **Galan HL**, Jarwood JEF, Lee G, Marconi AM, Paolini CL, Cheung A, Battaglia FC. Transplacental Supply of Mannose and Inositol in Uncomplicated Pregnancies Using Stable Isotopes. *J of Med Endocrinology. J Clin Endocrinol Metab*. 2012 Jul;97(7):2497-502.
73. Regnault TRH, deVrijer B, **Galan HL**, Wilkening RB, Battaglia FC, Meschia G, Umbilical uptakes and

-
- transplacental concentration ratios of amino acids in severe fetal growth restriction. *Pediatr Res*. 2013 Feb 13. doi: 10.1038/pr.2013.30.
74. Schwartz J, Cioffi-Ragan D, Wilson MJ, Julian CG, Moore LG, **Galan HL**. Effects of High Altitude on Fetal Subcutaneous and Lean Tissue Mass and the Fetal Circulation. Epub June 2013. *Am J Hum Biol* 2013;25(4):544-9.
 75. Chatterjee D, Hawkins J, Somme S, **Galan HL**, Prager J, Crombleholme TM. Ex Utero intrapartum treatment to resection of a bronchogenic cyst causing airway compression. *Fetal Diagnosis and Therapy – Fetal Diagn Ther* 2014;35(2):137-40. PMID 24281263.
 76. Bahr BS, **Galan HL**, Arroyo JA. Decreased expression of phosphorylated placental heat shock protein 27 in human and ovine intrauterine growth restriction (IUGR). *Placenta* 2014;35(6):404-10. PMID 24680694.
 77. Lee GT, Price MD, Mejia C, **Galan HL**, Arroyo JA. Increased trophoblast expression NFAT5/TonEBP in preeclamptic placenta and hyperosmolar treated trophoblast cells. *Eur J Obstet Gynecol Rep Biol* 2014;183:37-43. PMID: 25461350.
 78. Moore GS, Allshouse AA, Post AL **Galan HL**, Heyborne KD. Early initiation of low-dose aspirin for reduction in preeclampsia risk in high-risk women: a secondary analysis of the MFMU High-Risk Aspirin Study. *J Perinatol* 2014; Epub ahead of print. PMID 25474553.
 79. Muench MV, Lewter J, Bassett K, Rupkalvis RH, **Galan HL**. Acardiac fetus in a triplet pregnancy treated with ultrasound guided percutaneous laser: A case report and review of treatment options. Accepted to *J Reprod Med – In Press*.
 80. Moore GS, Allshouse AA, Post AL, Winn VD, **Galan HL**, Heyborne KD Can baseline PIFG levels predict preeclampsia risk-reduction from early aspirin prophylaxis? *Pregnancy Hypertens* 2015;5(4):280–6.
 81. Pantham P, Rosario FJ, Nijland M, Cheung A, Nathanielsz PW, Powell TL, **Galan, HL**, Li C, and Jansson T. Reduced placental amino acid transport in response to maternal nutrient restriction in the baboon. *Am J Physiology* 2015;309:R740-6. APS Select Certificat (selected as one of top ten publications in November, 2015).
 82. Moore GS, Allshouse A, Fisher B, Kahn B, Hernandez T, Barbour L, **Galan, HL**. Can fetal limb soft tissue measurements in the third trimester predict neonatal adiposity? *J Ultrasound in Med* 2016;35:1915-1924.
 83. Bui Y, Howley L, Ambrose S, **Galan HJL**, Cuneo B. Fetal Prominent coronary artery flow with normal coronary artery anatomy is a rare but ominous harbinger of poor outcome in the fetus. *J of Matern Fetal and Neonatal Med* 2016;29(10):1536-40.
 84. Behrendt, NJ, Zaretsky MV, West NA, **Galan HL**, Crombleholme TM, Meyers ML. Ultrasound versus MRI: Is there a difference in measurements of the fetal lateral ventricles? *J Mat Fetal Neonat Medicine*.2017;19:1-4
 85. NHLBI Prenatal Workshop (Galan workshop participant). Prenatal/Perinatal Determinants of Lung Health & Disease in Early Life. *JAMA Pediatr*. 2016 May 2;170(5):e154577
 86. Starling AP, Shapiro ALB, Sauder KA, Kaar JL, Patinkin ZW, Ringham BM, Clueck DH, **Galan HL**. Dabelea D.

Blood pressure during pregnancy, neonatal size and altered body composition. The Healthy Start Study. *J Perinatol* 2017;37(5):502-506. PMID 28181996..

87. Rotholz A. **Galan HL**. Obstetric Ultrasound for the Generalist Obstetrician. Accepted.
88. Zaretsky MV, Behrendt NJ, **Galan HL**, Liechty K, Marwon R, Crombleholme TM. Case report of myometrial window following fetoscopic treatment of twin-twin transfusion syndrome: indications of underlying collagen vascular disease. *Clin Case Rep* 2017;5(6):975-979. PMID: 28588850
89. Abou Chaar MK, Meyers ML, Tucker BD, **Galan HL**, Liechty KW, Crombleholme TM, Marwan AI. Twin pregnancy complicated by esophageal atresia, duodenal atresia, gastric perforation and hypoplastic left heart structures in one twin: A case report and review of the literature. *J Med Case Rep* 2017;11(1):64. PMID 28314387.
90. Zaretsky MV, Liechty KW, Galan HL, Behrendt NJ, Reeves S, Marwan AI, Wilkinson C, Handler M, Lagueux, Crombleholme TM. Modified hysterotomy closure technique for open fetal surgery. *Fetal Diagn Ther* 2018; Epub ahead of print. PMID:28873371
91. Monson T, Wright T, **Galan HL**, Reynolds PR, Arroyo JA. Caspase dependent and independent mechanisms of apoptosis across gestation in a hyperthermia-induced sheep model of intrauterine growth restriction (IUGR). *Apoptosis* 2017;22(5):710-718. PMID: 28083721.
92. Cuneo BF, Mitchell MB, Marwan AI, Green M, von Alvensleben JC, Reynolds R, Crombleholme TM, **Galan HL**. Ex Utero Intrapartum Treatment to Ventricular Pacing: A Novel Delivery Strategy for Complete Atrioventricular Block with Severe Bradycardia. *Fetal Diagn Ther* 2017;42(4):311-314. PMID: 28578350
93. Behrendt N, Zaretsky MV, West NA, **Galan HL**, Crombleholme TM, Meyers ML. Ultrasound versus MRI: Is there a difference in measurements of the fetal lateral ventricles. *J Matern Fetal Neonatal Med* 2017;30(3):298-301. PMID: 27092972
94. Iriye BK et al. Quality measures in high-risk pregnancies: Executive Summary of a Cooperative Workshop of the SMFM, NICHD, and ACOG. Names cited in workshop list of participants. *AJOG* 2017;17(4):B2-B25. PMID:28735702..
95. Urban RR, Ramzan AA, Doo DW, **Galan HL**, Harper L, Omurtag K, Muffly T, Sheeder J, Guntapali SR. Fellow perceptions of residency training in obstetrics and gynecology. *Am J Obstet Gynecol* 2019; Apr;218(4):461-462. PMID 29353035.
96. Urban RR, Ramzan AA, Doo DW, **Galan HL**, Harper L, Omurtag K, Muffly T, Sheeder J, Guntapali SR. Fellow perceptions of residency training in obstetrics and gynecology. *J Surg Educ* 2019; Aug 7. Pii:S1931-7204. PMID 30093331.
97. Barbour LA, Scifres C, Valent AM, Friedman JE, Buchanan T, Coustan D, Aagaard K, Thornburg KL, Catalanao PM, **Galan, HL**, Hay WW, Frias AE, Shankar K, Simmons RA, Moses RG, Sacks DA, Loeken MR. A cautionary response to the SMFM statement: pharmacological treatment of gestational diabetes. *Am J Obstet Gynecol* 2018;219(4):367.e1-e7. PMID 29959933.

-
98. Howley LW, Chatterjee D, Patel SS, Cuneo B, Crombleholme TM, Behrendt N, Zaretsky MV, Marwan AI, Zuk J, **Galan HL**, Wood C. Indomethacin Dosing and Constriction of the Ductus Arteriosus During Open Fetal Surgery for Myelomeningocele Repair. *Fetal Diagn Ther* 2019;29:1-6. PMID 30157479
 99. **Galan HL**, Grobman W. Fetal Growth Restriction. *ACOG Practice Bulletin Summary (Update)*. No 204. *Obstet Gynecol* 2019;133 (2): 390-92. PMID 30681542
 100. Hilton SA, Hodges MM, Dewberry LC, Handler M, **Galan HL**, Zaretsky MV, Behrendt N, Marwan AI, Liechty KW. MOMS Plus: MOMS Plus: single-institution review of outcomes for extended BMI criteria for open fetal repair of myelomeningocele. *Fetal Diagn Ther* 2019;46(6):411-414. PMID 31048584
 101. Dewberry L, Hilton S, Zaretsky MV, Behrendt N, **Galan HL**, Marwan AI, Liechty K. Examination of prenatal sonographic findings: Intra-abdominal bowel dilation predicts poor gastroschisis outcomes. *Fetal Diagn Ther* 2019;Aug 27:1-6 (Epub ahead of print). PMID 31454815.
 102. Zaretsky MV, Rodriguez-Riesco LG, Pan Z, **Galan HL**. Comparison of obstetrical outcomes in patients undergoing cerclage with or without amniocentesis. *J Matern Fetal Neonatal Med* 2019;Jun 10:1-5 (Epub ahead of print). PMID: 31177883.
 103. Behrendt N, **Galan HL**, Zaretsky MV, Crombleholme TM. Cervical length surveillance in open prenatal myelomeningocele repair. Is there a role for cervical cerclage. Accepted to *Prenatal Diagnosis*.
 104. Ehrig JC, Meyers M, Behrendt N, Howley L, Cuneo B, Mirsky D, Zaretsky M, Liechty K, Crombleholme TM, **Galan HL**. Abnormal Fetal Vascular Studies in Twin-Twin Transfusion Syndrome and their Association to Abnormalities in Fetal Brain MRI. Accepted to *J Ultrasound Med*.
 105. Porter AC, Gumina DL, Armstrong M, Maclean KN, Reisdorpph N, **Galan HL**, Stabler SP, Bailey BA, Hobbins JC, Hurt KJ. Maternal amino acid profiles to distinguish constitutionally small versus growth restricted fetuses defined by Doppler ultrasound: A pilot study. Accepted to *Am J Perinatology*.
 106. Cuneo BF, Patel S, Howley LW, **Galan HL**, Behrendt N, Liechty K, Zaretsky MV. Cardiac dysfunction mirrors renal disease severity in fetal lower urinary tract obstruction. Accepted to *Fetal Diagn Ther*.
 107. Dewberry LC, Trecartin A, Galambos Csaba, Hilton SA, Dannull K, Zaretsky MV, Behrendt N, **Galan HL**, Marwan AI, Liechty KW. Case report: A congenital cystic pulmonary airway malformation occurring together with both an extralobar pulmonary sequestration and an esophageal duplication cyst. *Clinical Case Reports* – Accepted January 2020.
 108. Dewberry Lindel, Hilton S, Zaretsky MV, Behrendt N, **Galan H**, Marwan AI, Liechty K. The development of a prognostic tool for gastroschisis based on prenatal sonographic findings. *J Pediatr Surg* – accepted January 2020.
 109. Wood C, Chatterjee D, Patel SS, Cuneo B, Crombleholme TM, Behrendt N, Zaretsky MV, Marwan AI, Zuk J, **Galan HL**, Howley LW. Addition of intravenous anesthesia and early magnesium sulfate reduces inhaled anesthesia requirement during open fetal surgery for myelomeningocele repair. Submitted to *J Mat Fetal Neonat Med*, 2019.

-
110. Hilton SA, Dewberry L, Hodges MM, Mirsky DM, Handler M, Wilkinson CC, **Galan HL**, Zaretsky MV, Behrendt N, Marwan AI, Wagner JL, Liechty KW. Strategies for prenatal surgery for myelomeningocele: Hindbrain herniation and closure type, Use of 3-D modeline and pringting to standardize surgical approach. Submitted to Fetal Dx and Therapy.
 111. Outcomes of airway management in micrognathia and retrognathia patients born at fetal versus non-fetal centers. Submitted to Fetal Diagn Ther.
 112. Dewberry L, Kalia N, Vazquez J, Hilton SA, Zaretsky MV, Behrendt N, **Galan HL**, Marwan AI, Liechty K. Determining maternal risk factors for gastroschisis using Colorado's Birth Registry. Submitted to J Pediatr Surg – AAP.

Book Chapters, Reviews, Editorials, and Monographs

1. **Galan HL**, Yandell PM, and Knight AB. Prenatal Intravenous Syphilotherapy. *Obstetrical & Gynecological Survey* 49(1):10-11, 1994.
2. **Galan HL**, Cipriani C, Coalson JJ, Bean JD, Collier G, and Kuehl TK.: Surfactant Replacement Therapy *In Utero* for Prevention of Hyaline Membrane Disease in the Preterm Baboon. *ACOG Current Journal Review* 7(2):29, 1994.
3. **Galan HL**. Syphilis in Pregnancy. *Canadian Journal of Ob/Gyn & Women's Health Care*. February 1993:390-394.
4. Reedy MB, **Galan HL**, and Piziak T.: Diabetes in Pregnancy: The role of the internist. *Contemporary Internal Medicine - Contemporary Internal Medicine* 7:49-52, 1995.
5. Rosenberg AA, **Galan HL**. Fetal Drug Therapy. *Pediatr Clin N Am* W.B. Saunders Co., Philadelphia, Pennsylvania. 1997;44(1):113-135.
6. Contributor and UCHSC Site Coordinator for Editing. *Perinatal Updates for Advanced Medical Systems*. >450 subscribers. 2000-2003
7. **Galan HL**, Hobbins JC. Obstetric Monitoring: Maternal and Fetal Testing. *Antepartum Fetal Surveillance. Medical Care of the Pregnant Woman*. 1st Edition, Chapter 2 pp. 87-96, 2000.
8. **Galan HL**, Ferrazzi E, Hobbins. IUGR: Biometric and Doppler Assessment. Chapter in *Prenatal Diagnosis* 22:331-337, 2002.
9. Regnault TRH, **Galan HL**, Parker TA, Anthony RV. Placental development in normal and compromised pregnancies. *Placenta* 2002, 23 Suppl A. *Trophoblast Research*, 16:S119-S129.
10. **Galan HL** and Hobbins JC. Intrauterine Growth Restriction. *Danforth's Obstetrics and Gynecology*. Lippincott Williams & Wilkins, 2003. Chapter 12, pp. 203-217.
11. Schwartz J, Battaglia FC, **Galan, HL**. Ultrasound in assessment of fetal growth disorders: Is there a role for subcutaneous fat measurements. *Ultrasound in Obstetrics and Gynecology*. Invitation by Dr. Stuart Campbell –

2003:22.

12. **Galan HL** and Battaglia FC. Biology of Normal and Abnormal Fetal Growth & Development. Chapter 12. Diabetes in Women. Editors E. Albert Reece, Donald Coustan, and Steven Gabbe. 2004 by Lippincott Williams & Wilkins, Philadelphia, PA.
13. Klein L and **Galan HL**. Cardiac Disease in Pregnancy. Special Issue: Management of the High Risk Pregnancy. Editors: Michael Gardner, MD and Manju Monga, MD. Obstetrics and Gynecology Clinics of North America, 2004; 31(2):429-459.
14. **Galan HL**, Hobbins JC. Obstetric Monitoring: Maternal and Fetal Testing. Antepartum Fetal Surveillance. Medical Care of the Pregnant Woman. 2nd Edition. Chapter 2, 2005.
15. **Galan HL**. Clinical Use of Doppler. Protocols for High-Risk Pregnancies. Editors: JT Queenan, JC Hobbins and CY Spong. pp.96-105. Blackwell Publishing, Malden, MA. 2005.
16. Battaglia FC and **Galan HL**. Feto-Placental Perfusion and Transfer of Nutrients. Clinical Obstetrics: The Fetus and Mother, 3rd edition (formerly Medicine of the Fetus and Mother) Editors: Reece EA and Hobbins JC. Chapter 4. pp.59-67. Blackwell Publishing, Malden, MA. 2007.
17. Pandipati S, **Galan HL**, Filly RA and Hadlock FP. Normal and Abnormal Fetal Growth: Biometry and Doppler Ultrasound. Ultrasonography in Obstetrics and Gynecology. 5th Edition Editor: Callen P. W.B. Saunders, Philadelphia, PA. 2007.
18. Nielson PE, **Galan HL**, Kilpatrick S, Garrison E. Operative Vaginal Delivery. Obstetrics – Normal and Problem Pregnancies. 5th Edition. Editors: Gabbe SG, Niebyl JR, Simpson JL. Associate Editors: Galan H, Goetzl L, Landon M, Jauniaux ERM. Chapter 14, pp 344-363. Churchill Livingstone Elsevier, Philadelphia, PA.2007.
19. Baschat AA, **Galan HL**, Ross M, Gabbe SG. Intrauterine Growth Restriction. Obstetrics – Normal and Problem Pregnancies. 5th Edition. Editors: Gabbe SG, Niebyl JR, Simpson JL. Associate Editors: Galan H, Goetzl L, Landon M, Jauniaux ERM.. Chapter 29, pp 771-860. Churchill Livingstone Elsevier, Philadelphia, PA. 2007.
20. **Galan HL** and Hobbins JC. Intrauterine Growth Restriction. Danforth's Obstetrics and Gynecology. Chapter 12, pp. 203-217. Lippincott Williams & Wilkins, Philadelphia, PA. 2008.
21. Gottlieb A and **Galan HL**. Shoulder Dystocia. Obstetrics and Gynecology Clinics of North America. Monograph on Obstetrical Emergencies. Guest Editor: Galan, HL. Editor: Rayburn WF. Elsevier. 2007.
22. Gottlieb A and **Galan HL**. Nontraditional Sonographic Pearls in Estimating Gestational Age. Seminars in Perinatology monograph on Intrauterine Growth Restriction. Guest Editor: Galan HL. Editors: D' Alton ME and Gross I. Vol 32(3);2008:154-160.
23. **Galan HL**, Hobbins JC. Obstetric Monitoring: Maternal and Fetal Testing. Antepartum Fetal Surveillance. Medical Care of the Pregnant Woman. 2nd Edition. Chapter 6, pp 46-52, 2008.
24. Hugulet P, Pandipati S and **Galan HL**. Fetal Assessment and Monitoring. A Practical Approach to Obstetric Anesthesia. Editors: Brenda Bucklin, MD, David Gambling, MD and David Wlody, MD. Lippincott Williams &

Wilkins.. Chapter 8, pp91-108, 2009.

25. Hoffman C, **Galan, HL**. Assessing the 'at-risk' fetus: Doppler Ultrasound. *Cur Opin Ob Gynecol* 21:161-166, 2009.
26. Lovgren TR, Dugoff L, **Galan, HL**. Uterine artery Doppler and Prediction of Preeclampsia. *Clinical Obstetric and Gynecology*. Editors: Scott JR, Gabbe SG. Guest Editors: Falcone T, Maulik D. Lippincott Williams & Wilkins. pp 888-899, 2010.
27. **Galan HL**. Timing delivery of the growth-restricted fetus. *Semin Perinatol* 2011; 35(5):262-9. Review. PMID 21962625..
28. Nielson PE, **Galan HL**. Operative Vaginal Delivery. *Obstetrics – Normal and Problem Pregnancies*. 6th Edition. Editors: Gabbe SG, Niebyl JR, Simpson JL. Landon M, **Galan H**, Driscoll D, Jauniaux ERM. Chapter 15 – In Press. Churchill Livingstone Elsevier, Philadelphia, PA.2012.
29. Baschat AA, **Galan HL**, Gabbe SG. Intrauterine Growth Restriction. *Obstetrics – Normal and Problem Pregnancies*. 6th Edition. Editors: Gabbe SG, Niebyl JR, Simpson JL. Associate Editors: **Galan H**, Goetzl L, Landon M, Jauniaux ERM. Chapter 31 – In Press. Churchill Livingstone Elsevier, Philadelphia, PA. 2012.
30. Goetzl L, **Galan HL** Normal Values in Pregnancy Appendix. *Obstetrics – Normal and Problem Pregnancies*. 6th Edition. Editors: Gabbe SG, Niebyl JR, Simpson JL. Associate Editors: **Galan H**, Goetzl L, Landon M, Jauniaux ERM. Appendix A – In Press. Churchill Livingstone Elsevier, Philadelphia, PA. 2012.
31. Lovgren TR, **Galan HL**. Pre-eclampsia: The compromised fetus, the compromised mother. In *Anesthesia and the Fetus*. Eds Ginosar Y, Reynolds F, Halpern S, Weiner CP. Wiley Blackwell Pub., Section 4. Ch. 33 pp297-314, 2013.
32. **Galan HL**, Grobman, B. ACOG Practice Bulletin. No. 134. Intrauterine Growth Restriction. May, 2013.
33. Reeves S, **Galan HL**. Fetal growth restriction. *Maternal-Fetal Evidence Based Guidelines, 2nd ed*. Ed Vincenzo Berghella. Informa Healthcare (New York, London) 2014.
34. **Galan H**, Reeves S. Growth Doppler and Fetal Assessment. *Fetal Imaging - 1st Ed*. Editors Beth M. Kline-Fath, Dorothy I. Bulas, Ray Bahado-Singh. Wolters Kluwer (Philadelphia, Pennsylvania) 2015. Chpt 3 pp 76-100.
35. **Galan HL**. Clinical Use of Doppler. *Protocols for High-Risk Pregnancies*. Editors: JT Queenan, JC Hobbins and CY Spong. pp. XX-XX.. Blackwell Publishing, Malden, MA. 2015.
36. **Galan HL**. Intrauterine growth restriction. *Protocols for High-Risk Pregnancies*. Editors: JT Queenan, JC Hobbins and CY Spong. pp.XX-XX. Blackwell Publishing, Malden, MA. 2015.
37. Nielson PE, **Galan HL**. Operative Vaginal Delivery. *Obstetrics – Normal and Problem Pregnancies*. 7th Edition. Editors: Gabbe SG, Niebyl JR, Simpson JL. Landon M, **Galan H**, Driscoll D, Jauniaux ERM. Churchill Livingstone Elsevier, Philadelphia, PA.- 2016.
38. Baschat AA, **Galan HL**. Intrauterine Growth Restriction. *Obstetrics – Normal and Problem Pregnancies*. 7th

Edition. Editors: Gabbe SG, Niebyl JR, Simpson JL. Editors: **Galan H**, Goetzi L, Landon M, Jauniaux ERM. Chapter 31. Churchill Livingstone Elsevier, Philadelphia, PA.- 2016.

39. Goetzi L, **Galan HL** Normal Values in Pregnancy Appendix. Obstetrics – Normal and Problem Pregnancies. 6th Edition. Editors: Gabbe SG, Niebyl JR, Simpson JL. Associate Editors: **Galan H**, Goetzi L, Landon M, Jauniaux ERM. Appendix A. Churchill Livingstone Elsevier, Philadelphia, PA.- 2016.
40. Behrendt N, **Galan HL**. Twin-twin transfusion and laser therapy. Current Opinion in Obstetrics and Gynecology; Wolters Kluwer. 2016;28(2): 79-85.
41. Reeves S, Galan HL. Fetal Growth Restriction. Evidence-Based Obstetrics. Editor: Vincenzo Berghella, MD. Informa Healthcare (New York, London) 2017.
42. Su EJ, Galan HL. Fetal growth and growth restriction. Fetal Medicine: Basic Science and Clinical Practice, 3rd e. Editors: Ron Wapner. Chapter 39. Elsevier, Philadelphia, PA, 2018.
43. Rodel, R. **Galan HL**. Techniques to analyze fetal rhythm: Electronic fetal monitoring. Diagnosis and Management of Fetal Arrhythmias. Ed. Cuneo, B., Wolters Kluwer, Philadelphia, PA. 2018.
44. Rozance P, **Galan HL**. Chapter 12. The biology of normal and abnormal fetal growth and development. Diabetes and Obesity in Women: Adolescence, Pregnancy and Menopause. Wolters Kluwer, Ed. Coustan D, Reece A, Philadelphia, PA, 2018.
45. **Galan H**, Reeves S. Growth Doppler and Fetal Assessment. Fetal Imaging. 2nd ed. Editors Beth M. Kline-Fath, Dorothy I. Bulas, Wes Lee. Wolters Kluwer (Philadelphia, Pennsylvania) – 2019.

Scientific Abstracts and Presentations

1. **Galan HL** and Kuehl TK: Intra-amniotic Administration of Exosurf in Preterm Rabbit Fetuses.
a. Oral Presentation. American College of Obstetricians & Gynecologists 7th Annual Meeting, District VII, Puerto Vallarta, Mexico, November 1991, b. Oral Presentation. Texas Association of Obstetricians & Gynecologists, 63rd Annual Meeting (Pritchard Prize Presentation), Houston, TX, March 1992.
2. Reedy MR, **Galan HL**, and Patterson KM. Acute Pelvic Inflammatory Disease Following Tubal Sterilization. 40th American College of Obstetricians and Gynecologists Annual Meeting. Poster Presentation. Las Vegas, NV, April 1992.
3. **Galan HL**, Yandell PM, and Knight AB: Prenatal Intravenous Syphilotherapy. 40th American College of Obstetricians and Gynecologists Annual Meeting. Poster Presentation. Las Vegas, NV, April 1992.
4. **Galan HL**, Cipriani C, Coalson JJ, Bean JD, Collier G, and Kuehl TK. Surfactant Replacement Therapy In Utero for Prevention of Hyaline Membrane Disease in the Preterm Baboon.
a. Society of Perinatal Obstetricians, 13th Annual Meeting, San Francisco, CA, Oral Presentation, February 1993, b. 34th Annual National Student Research Forum, Galveston, TX, Oral Presentation, April 1993.

-
5. Coates KW, **Galan HL**, Shull BL, Kuehl TJ. The squirrel monkey is an animal model of pelvic relaxation. Oral Presentation. American Uro-Gynecologic Society, Chicago, IL, 1993, & at International Continence Society.-23 Annual Meeting, 1993.
 6. **Galan HL**, Cipriani C, Coalson JJ, Bean JD, Collier G, and Kuehl TK: Surfactant Replacement Therapy for Prevention of Hyaline Membrane Disease in the Preterm Baboon. Oral Presentation. Society of Perinatal Obstetricians, 14th Annual Meeting, Las Vegas, NV, January 1994.
 7. **Galan HL**, Reedy MB, Bean JD, Carnes A, Knight AB, and Kuehl TJ: Laparoscopic Insufflation in the Pregnant Baboon: Maternal and Fetal Effects. Oral Presentation. Society of Perinatal Obstetricians, 14th Annual Meeting, Las Vegas, NV, January 1994.
 8. Lilja J, **Galan HL**, Ali V. Fitz-Hugh Curtis Syndrome in Patients Undergoing Bilateral Tubal Ligation. Oral Presentation. Texas Resident Research Day, John Peter Smith Hospital, Fort Worth, TX, April, 1995.
 9. Montalvo J, **Galan HL**, Deaver J. Seroreponse to Syphilotherapy in Pregnancy. Poster Presentation. Texas Resident Research Day, JPS Hospital, Fort Worth, TX, April, 1995.
 10. Baiza R, **Galan HG**, Johnson PR, Knight AB. Chiari malformation presenting with eclampsia in a pregnant patient. Poster Presentation. ACOG District VII Meeting. New Orleans, LA, 1996.
 11. **Galan HL**, Tennant L., Marsh D., Creasy RK. Paralysis of the Preterm Rabbit Fetus Inhibits Pulmonary Uptake of Iron Dextran Within the Fetal Lungs. Poster Presentation. Society of Gynecologic Investigation, 43rd Annual Meeting, Philadelphia, PA, March, 1996.
 12. Ivy DD, Parker TA, Ziegler JW, **Galan HG**, Kinsella JP, Abman SH. Prolonged Endothelin A Receptor Blockade Attenuates Chronic Intrauterine Pulmonary Hypertension. Oral Presentation, The Society for Pediatric Research, Washington, DC, May 1996.
 13. Kinsella JP, Parker TA, **Galan HG**, Ivy DD, Abman SH. High Frequency Oscillatory Ventilation Augments the Response to Inhaled Nitric Oxide in Severe Experimental Hyaline Membrane Disease. Oral Presentation, The Society for Pediatric Research, Washington, DC, May 1996.
 14. **Galan HL**, Montalvo JF, Deaver J. A Retrospective Analysis of the Serologic Response to the Treatment of Syphilis During Pregnancy. *Infect Dis Obstet Gynecol* 4(4):57, 1996. The Infectious Diseases Society for Obstetrics and Gynecology, 23rd Annual Meeting, Poster presentation, Beaver Creek, CO, August, 1996.
 15. Parker TA, Ivy DD, **Galan HL**, Kinsella JP, Abman SH. Effects of Chronic Estradiol Administration in an Experimental Model of Persistent Pulmonary Hypertension of the Newborn. Oral Presentation. Aspen Conference on Perinatal Research, 25th Annual Meeting, Aspen, CO, September, 1996.
 16. **Galan HL**, Tennant L, Marsh DB, Creasy RK. Pulmonary Distribution of Intraamniotic Iron Dextran in the Preterm Rabbit Fetus. Oral Presentation. 3rd World Congress of Perinatal Med., San Francisco, CA, October, 1996.
 17. **Galan HL**, Hussey M, Barbera A, Chung M, Hobbins JC, Battaglia F, Meschia G. Persistent fetal growth retardation in an ovine model of placental insufficiency. Poster Presentation, Society of Perinatal Obstetricians,

17th Annual Meeting, Anaheim, CA, January 1997.

18. **Galan HL**, Hussey M, Chung M, Hobbins JC, Battaglia F, Meschia G. Doppler velocimetry of growth retarded fetuses in an ovine model of placental insufficiency. Society of Perinatal Obstetricians, 17th Poster Presentation, Annual Meeting, Anaheim, CA, January 1997.
19. Parker T, Ivy DD, **Galan HL**, Kinsella JP, Abman SH. Chronic estradiol administration attenuates pulmonary hemodynamics in an experimental model of persistent pulmonary hypertension. Poster Presentation Society of Pediatric Research. Washington, DC, May, 1997.
20. **Galan HL**, Hussey M, Chung M, Hobbins JC, Battaglia F, Meschia G. Doppler velocimetry of growth retarded fetuses in an ovine model of placental insufficiency. Oral Presentation. Aspen Perinatal Conference, September, 1997.
21. **Galan HL**, Hussey M, Chung M, Ferrazzi E, Hobbins JC, Meschia G, Battaglia F. Umbilical vein blood flow in the ovine fetus: Comparison of Doppler and steady state techniques. 7th World Congress on Ultrasound in Obstetrics and Gynecology. Oral Presentation. October, 1997.
22. **Galan HL**, Schaack J, Owens GC, Hayward A, Tyson W, Hobbins JC. Intraamniotic retroviral-mediated gene transfer in the preterm ovine fetus. Plenary Oral Presentation. Society of Perinatal Obstetricians, 18th Annual Meeting, Miami Beach, FL, February 2-7 1998.
23. **Galan HL**, Persutte W, Chyu J, French J, Shultz L, Hobbins J. Transvaginal sonographic evaluation of cervical softness and preterm delivery. Poster Presentation. Society of Perinatal Obstetricians, 18th Annual Meeting, Miami Beach, FL, February 2-7, 1998.
24. Chyu J, Hobbins J, **Galan HL**, Partington M, Persutte W. Positional changes of the fetal conus medullaris. Poster Presentation. Society of Perinatal Obstetricians, 18th Annual Meeting, Miami Beach, FL, February 2-7, 1998.
25. Persutte WH, **Galan HL**, Chyu J, Hussey M, Hobbins JC. Construction of a nomogram of cervical length and width for gestational age. Poster Presentation. Society of Perinatal Obstetricians, 18th Annual Meeting, Miami Beach, FL, February 2-7, 1998.
26. **Galan HL**, Parker T, Horan M, LeCras TD, Kinsella JP, Abman SH. Comparison of endothelial nitric oxide synthase protein content in sheep cotyledon and caruncle. Poster Presentation. Society for Gynecologic Investigation. Atlanta, GA, March 11-14, 1998.
27. **Galan HL**, Horan M, Le Cras TD, Tyson RW, Regnault TRH, Wilkening, Abman SH. Decreased endothelial nitric oxide synthase protein content in the cotyldeon of the heat-stressed, growth restricted ovine fetus. Oral Platform presentation. APS/Society for Pediatric Research. New Orleans, LA, May 1-5, 1998.
28. Parker TA, Kinsella JP, **Galan HL**, Richter GR, Abman SH. Prolonged estradiol infusion causes a marked and sustained increase in pulmonary blood flow in fetal lambs. Oral Platform presentation. The American Pediatric Society and the Society for Pediatric Research. New Orleans, LA, May 1-5, 1998.
29. **Galan HL**, Jozwik M, Deckers b, Rigano S, Hobbins J, Battaglia F, Meschia G, Ferrazzi E. Umbilical vein blood

-
- flow in the ovine fetus: comparison of Doppler and steady state techniques. Oral Presentation. Society of Perinatal Obstetricians, 19th Annual Meeting, San Francisco, CA, January 18-23, 1999.
30. Rigano S, Barbera A, Giovannini N, Vinci M, **Galan H**, Ferrazzi E. Umbilical vein blood flow Doppler measurements in growth restricted fetuses. Poster Presentation. Society of Perinatal Obstetricians, 19th Annual Meeting, San Francisco, CA, January 18-23, 1999.
 31. **Galan HL**, Le Cras TD, Tyson RW, Regnault TRH, Jakkula M, Anthony RV, Wilkening RB, Abman SH. Cotyledon endothelial nitric oxide synthase protein content is reduced in early gestation in the heat-stress ovine model of intrauterine growth restriction. Poster Presentation. Society for Gynecologic Investigation. Atlanta, GA, March 10-13, 1999.
 32. Regnault TRH, Orbus RJ, **Galan HL**, Wilkening RB, Anthony RV. Expression of placental growth factor (oPIGF) and vascular endothelial growth factor (oVEGF) mRNA in the ovine model of intrauterine growth retardation (IUGR) during maximal placental development. Poster presentation. 81st Annual Meeting of The Endocrine Society. San Diego, CA, June, 1999.
 33. **Galan HL**, Le Cras TD, Markham NE, Regnault TRH, Anthony RV, Wilkening RB, Abman SH. Endothelial nitric oxide synthase protein content in uterine and umbilical vessels in the early gestation, heat-stress, ovine model of intrauterine growth restriction. Poster presentation. The American Pediatric Society and the Society for Pediatric Research. San Francisco, CA, May 1-5, 1999.
 34. Regnault TR, Orbus RJ, **Galan HL**, Wilkening RB, Anthony RV. Expression of placental growth factor (oPIGF) and Vascular endothelial growth factor (oVEFG) mRNA in the ovine model of intrauterine growth retardation (IUGR) during maximal placental development. Poster Presentation. 81st Annual Meeting of The Endocrine Society. San Diego, CA. June, 1999.
 35. Ferrazzi E, Bellotti M, Bozzo M, Rigano S, Pardi G, Battaglia F, **Galan HL**. The temporal sequence of changes in fetal velocimetry indices for growth restricted fetuses. Oral Presentation. Society for Maternal-Fetal Medicine, 20th Annual Meeting, Miami, FL, February 2-5, 2000.
 36. Bozzo M, Bellotti M, Ferrazzi E, Rigano S, De Gasperi C, Beaty B, **Galan HL**. Central circulatory changes in growth restricted fetuses of different severity: a longitudinal study. Poster Presentation. Society for Maternal-Fetal Medicine, 20th Annual Meeting, Miami, FL, February 2-5, 2000.
 37. **Galan HL**, Rigano S, Chyu J, Beaty B, Bozzo M, Hobbins J, Ferrazzi E. Comparison of low and high altitude Doppler velocimetry in peripheral and central circulations of normal fetuses. Poster Presentation. Society for Maternal-Fetal Medicine, 20th Annual Meeting, Miami, FL, February 2-5, 2000.
 38. **Galan HL**, Chyu J, Rigano S, Persutte W, Schultz L, Hobbins J, Ferrazzi E. Comparison of proximal and distal uterine artery Doppler measurements. Poster Presentation. Society for Maternal-Fetal Medicine, 20th Annual Meeting, Miami, FL, February 2-5, 2000.
 39. Ferrazzi E, Bozzo M, Bellotti M, Rigano S, Chyu J, Hobbins J, Beaty B, Battaglia F, **Galan HL**. Umbilical venous blood flow is reduced in IUGR fetuses: A longitudinal study. Poster Presentation. Society for Maternal-Fetal Medicine, 20th Annual Meeting, Miami, FL, February 2-5, 2000.

-
40. Chyu J, Persutte W., **Galan HL**, Cioffi-Ragan D, Schultz L, Hobbins J. Twin discordance with or without a small for gestational age fetus and perinatal outcome. Poster Presentation. Society for Maternal-Fetal Medicine, 20th Annual Meeting, Miami, FL, February 2-5, 2000.
 41. Rigano S, Dell'Anna, D, Radaelli T, **Galan HL**, Ferrazzi E, Valensise H. Reproducibility study of a new sonographic technique for subcutaneous tissue assessment of the human fetus. Poster Presentation. Society for Maternal-Fetal Medicine, 21st Annual Meeting, Reno, NV, February 5-10, 2001.
 42. **Galan HL**, Rigano S, Radaelli T, Bozzo M, Chyu J, Hobbins J, Ferrazzi E. Altitude reduces subcutaneous mass but not lean mass in normal fetuses. Poster Presentation. Society for Maternal-Fetal Medicine, 21st Annual Meeting, Reno, NV, February 5-10, 2001.
 43. Ferrazzi E Bozzo M, Bellotti M, Rigano S, Battaglia F, **Galan HL**. Persistent reduction in umbilical vein flow velocity in the growth restricted fetuses: A longitudinal study. Poster Presentation. Society for Maternal-Fetal Medicine, 21st Annual Meeting, Reno, NV, February 5-10, 2001.
 44. Chyu J, Winters D, Hobbins J, **Galan HL**. Twin Discordance with or without intrauterine growth restriction (IUGR): Perinatal outcome. Poster Presentation. Society for Maternal-Fetal Medicine, 21st Annual Meeting, Reno, NV, February 5-10, 2001.
 45. **Galan H**, Roper-Johnson, D. Reduced maternal morbidity with rotational Kielland's forceps delivery from the occiput posterior position. Poster Presentation. Society for Maternal-Fetal Medicine, 21st Annual Meeting, Reno, NV, February 5-10, 2001.
 46. Regnault TRH, Vrijer B, Trembler KC, **Galan HL**, Wilkening RB, Battaglia FC. The umbilical uptake of glutamate in IUGR pregnancies. Poster Presentation. 5th World Congress in Perinatal Medicine, Barcelona, Spain, September 23-7, 2001.
 47. Rigano S, Bozzo M, Radaelli T, Taricco E, Pigni A, **Galan HL**, Pardi G, Ferrazzi E. Reduction of fetal subcutaneous fat in intrauterine growth restriction can be detected prenatally by ultrasound. Poster presentation at SMFM, January 14-19, 2002.
 48. **Galan HL**, Regnault T, Rigano S, Bozzo M, Renfrew B, Ferrazzi E, Persutte W, Wilkening R, Anthony RV. Ultrasound detection of reduced placentome size in an ovine model of intrauterine growth restriction. Poster presentation at SMFM, January 14-19, 2002.
 49. **Galan HL**, Rigano S, Hobbins J, Ferrazzi E, Anthony RV, Wilkening R, Regnault TRH. Increased umbilical artery impedance correlates with systemic blood pressure in an ovine model of intrauterine growth restriction. Poster presentation at SMFM, January 14-19, 2002.
 50. Chyu J, Philatova E, Ferrazzi E, Rigano S, Bozzo M, Renfrew B, Hobbins J, **Galan HL**. Umbilical venous blood flow in singleton versus twin pregnancies: A longitudinal study. Poster presentation at SMFM, January 14-19, 2002.
 51. Chyu J, Philatova E, Ferrazzi E, Rigano S, Bozzo M, Renfrew B, Hobbins J, **Galan HL**. Umbilical venous blood flow in twin-twin transfusion syndrome managed with therapeutic amniocentesis. Poster presentation at SMFM, January 14-19, 2002.

52. **Galan HL**, Regnault TRH, Davidsen M, Wilkening RB, Anthony RV. Increased cotyledon endothelial nitric oxide synthase protein content in the term IUGR ovine fetus. Oral presentation. SGI, Los Angeles, CA, March, 2002.
53. Regnault TRH, de Vrijer B, Trembler KA, **Galan HL**, Wilkening RB, Battaglia FC. The uterine and umbilical uptakes of amino acids in IUGR pregnancies. Poster presentation. IFPA Melbourne Australia, Oct. 2002.
54. Regnault TRH, **Galan HL**, de Vrijer B, Battaglia FC, Wilkening RB, Anthony RV. Altered uteroplacental angiogenesis, oxygenation and hemodynamics in IUGR: Setting the stage for fetal damage. Oral presentation. IFPA Melbourne Australia, Oct. 2002.
55. Rigano S, Bozzo M, Belotti M, De Gasperi C, Padoan A, D'Amato B, Ferrazzi E, **Galan HL**. The central circulation in severely growth restricted fetuses with normal and abnormal heart rate tracings at delivery. Poster presentation. Society for Maternal-Fetal Medicine. 23th Annual Meeting. San Francisco, CA February, 2003.
56. Bellotti M, Pennati G, De Gasperi C, Rognoni G, **Galan HL**, Ferrazzi E. Longitudinal evaluation of the ductus venosus blood flow in IUGR fetuses and perinatal outcome. Poster presentation. Society for Maternal-Fetal Medicine. 23th Annual Meeting. San Francisco, CA February, 2003.
57. Schwartz J, Rigano S, Renfrew B, **Galan HL**, Ferrazzi E, Giles W. Effect of maternal body mass index on fetal subcutaneous tissue. Poster presentation. Society for Maternal-Fetal Medicine. 23th Annual Meeting. San Francisco, CA February, 2003.
58. Pollack J, Moise K, Tyson W, **Galan HL**. Amniotic fluid substances move into the fetal lung in a time-dependent fashion through normal fetal breathing motions, not hypoxic gasping. Poster presentation. Society for Maternal-Fetal Medicine. 23th Annual Meeting. San Francisco, CA February, 2003.
59. **Galan HL**, Regnault TRH, Padoan A, Wilkening RB, Anthony RV. Ontogeny of cotyledonary endothelial nitric oxide synthase in the normal and IUGR ovine placenta. Poster presentation. SGI Annual meeting, March 26-30. J Soc Gynecol Invest 2003;10(3): 150A.
60. Padoan A, Regnault RH, DeVrijer B, Limesand SW, Anthony RV, Ferrazzi E, Wilkening RB, **Galan HL**. Endothelial nitric oxide synthase in uteroplacental vasculature in an ovine model of IUGR. Poster presentation. Society for Maternal-Fetal Medicine. 24th Annual Meeting. New Orleans, LA. February, 2004.
61. Padoan A, Ferrazzi E, Rigano S, Battaglia FC, Beaty BL, **Galan HL**. Differences in fat and lean mass proportions in normal and growth restricted fetuses. Poster presentation. Society for Maternal-Fetal Medicine. 24th Annual Meeting. New Orleans, LA. February, 2004.
62. **Galan HL**, DeVrijer B, Padoan A, Ferrazzi E, Anthony RV, Wilkening RB, Regnault RH. Progressive hemodynamic and acid-base alterations in an ovine model of IUGR of different severity. Poster presentation. Society for Maternal-Fetal Medicine. 24th Annual Meeting. New Orleans, LA. February, 2004.
63. Schwartz J, **Galan HL**, Istwan N, Rhea D, Stanziano G, Hobbins JC. The impact of cervical effacement on pregnancy prolongation in singleton gestations with cervical dilation of 1cm. Poster presentation. Society for Maternal-Fetal Medicine. 24th Annual Meeting. New Orleans, LA. February, 2004.

-
64. Bellotti M, de Gasperi C, Zucca I, Zecca G, Rognoni G, **Galan HL**, Pennati G. Changes in Doppler waveform of the ductus venosus: A comparison between intrauterine growth restriction and cardiopathies. Poster presentation. SMFM. New Orleans, LA. February, 2004.
 65. Chyu J, Hobbins J, **Galan HL**. Umbilical venous blood flow before serial amnio-reductions in twin-twin transfusion syndrome. Poster presentation. Society for Maternal-Fetal Medicine. 24th Annual Meeting. New Orleans, LA. February, 2004.
 66. Baschat A, **Galan HL**, Bhide A, Berg C, Kush M, Thilaganathan B, Oepkes D, Gembruch U, Weiner C, Harman C. Viability in early-onset IUGR: Is it time to reconsider intervention thresholds? Poster presentation. Society for Maternal-Fetal Medicine. 24th Annual Meeting. New Orleans, LA. February, 2004.
 67. Baschat A, **Galan HL**, Bhide A, Berg C, Thilaganathan B, Kush M, Oepkes D, Gembruch U, Weiner C, Harman C. Determinants of intact survival in early-onset IUGR delivered <32 weeks. Poster presentation. Society for Maternal-Fetal Medicine. 24th Annual Meeting. New Orleans, LA. February, 2004.
 68. Chyu J, Hobbins J, **Galan HL**. Discordance in umbilical artery resistance in twin pregnancies. Poster presentation. Society for Maternal-Fetal Medicine. 24th Annual Meeting. New Orleans, LA. February, 2004.
 69. Schwartz J, Cioffi-Ragan D, Beaty B, Moore LG, MacCannell W, Wilson M, **Galan HL**. High altitude does not affect Doppler velocimetry in normally grown fetuses: A longitudinal study. Poster Presentation. Society for Gynecologic Investigation 51st Annual Scientific Meeting. Houston, TX. March 2004. J Soc Gynecol Investig 11(2):868A, 2004.
 70. Schwartz J, Cioffi-Ragan D, Beaty B, Moore LG, MacCannell W, Wilson M, **Galan HL**. The association of birth weight, high altitude and maternal body mass index. Poster Presentation. Society for Gynecologic Investigation 51st Annual Scientific Meeting. Houston, TX. March 2004. J Soc Gynecol Investig 11(2):534A, 2004.
 71. Julian C, Cioffi-Ragan D, **Galan HL**, MacCannell W, Mouser R, Schwartz J, Wilson M, Moore LG. Increased circulating endothelin-a relative to NOX levels are associated with lower uterine artery blood flow during high altitude pregnancy. Poster Presentation. Society for Gynecologic Investigation 51st Annual Scientific Meeting. Houston, TX. March 2004. J Soc Gynecol Investig 11(2):583A, 2004.
 72. Moore LG, Cioffi-Ragan D, **Galan HL**, MacCannell W, Schwartz J, Wilson M, Julian C. Low uterine artery (UA) blood flow precedes onset of altitude-associated fetal growth restriction. Poster Presentation. Society for Gynecologic Investigation 51st Annual Scientific Meeting. Houston, TX. March 2004. J Soc Gynecol Investig 11(2):586A, 2004.
 73. Julian C, Cioffi-Ragan D, **Galan HL**, MacCannell W, Mouser R, Schwartz J, Wilson M, Moore LG. Elevated endothelin-a (ET-1) in high versus low altitude pregnancy. Poster Presentation. Society for Gynecologic Investigation 51st Annual Scientific Meeting. Houston, TX. March 2004. J Soc Gynecol Investig 11(2):910A, 2004.
 74. Moore LG, Cioffi-Ragan D, **Galan HL**, Julian C, MacCannell W, Mouser R, Schwartz J, Wilson M. Lower uterine artery blood flow and higher endothelin-1 levels reduce birth weight at high altitude. Poster Presentation. Society for Gynecologic Investigation 51st Annual Scientific Meeting. Houston, TX. March 2004. J Soc Gynecol Investig 11(2):586A, 2004.

75. Baschat A, Bilardo CM, Germer U, Hartung J, Rigano R, Berg C, Kush M, Bide A, **Galan HL**, Thilaganathan B, Ferrazzi E, Hecher K, Gembruch U, Weiner CP, Harman C. Thresholds for intervention in severe early onset growth restriction. Poster presentation. Society for Maternal-Fetal Medicine 25th Annual Meeting, New Orleans, LA. February, 2005.
76. Manogura A, Kush M, Moyano D, Turan S, Bilardo CM, Germer U, Harlung J, Rigano S, Mueller T, Berg C, Bhide A, Oepkes D, Thilaganathan B, **Galan HL**, Ferrazzi E, Hecher K, Bower S, Nicolaides K, Harman C, Gembruch U, Baschat A. Predictors of necrotizing enterocolitis (NEC) in fetal growth restriction. Poster Presentation. Society for Maternal-Fetal Medicine 26th Annual Meeting, Miami, FL. February, 2006.
77. Baschat A, Kush M, Manogura A, Moyano D, Turan S, Bilardo CM, Germer U, Harlung J, Rigano S, Mueller T, Berg C, Bhide A, Oepkes D, Thilaganathan B, **Galan HL**, Ferrazzi E, Hecher K, Bower S, Nicolaides K, Gembruch U, Harman C. Integrated fetal testing is the most accurate predictor of perinatal outcome in intrauterine growth restriction. Poster Presentation. Society for Maternal-Fetal Medicine 26th Annual Meeting, Miami, FL. February, 2006.
78. Baschat A, Kush M, Manogura A, Moyano D, Turan S, Bilardo CM, Germer U, Harlung J, Rigano S, Mueller T, Berg C, Bhide A, Oepkes D, Thilaganathan B, **Galan HL**, Ferrazzi E, Hecher K, Bower S, Nicolaides K, Gembruch U, Harman C. Integrating Doppler and biophysical parameters in management of intrauterine growth restriction: Middle cerebral artery Doppler is irrelevant. Poster Presentation. Society for Maternal-Fetal Medicine 26th Annual Meeting, Miami, FL. February, 2006.
79. Pandipati S, Giclas P, Oka M, Nagaoka T, Homma N, McMurtry I, Arroyo J, **Galan HL**. Activated Complement Molecules Mediate Abnormal Vasoreactivity of Maternal and Fetal Arteries in an Ovine Model of Fetal Growth Restriction. Poster Presentation. Society for Maternal-Fetal Medicine 26th Annual Meeting, Miami, FL. February, 2006.
80. **Galan HL**, Pandipati S, Cioffi-Ragan D, Regnault TRH, Ferrazzi E, Beatty B, Arroyo J, Anthony RV. Reduction of Amniotic and Allantoic Fluid Volume in an Ovine Model of Fetal Growth Restriction. Poster Presentation. Society for Maternal-Fetal Medicine 26th Annual Meeting, Miami, FL. February, 2006.
81. Arroyo J, Anthony R, Parker T, Roe G, Pandipati S, **Galan HL**. Increase in Placental eNOS Expression in an Ovine Model of Fetal Growth Restriction. Oral Presentation. Society for Maternal-Fetal Medicine 26th Annual Meeting, Miami, FL. February, 2006.
82. Arroyo J, Anthony R, Parker T, Roe G, Pandipati S, **Galan HL**. Altered eNOS Protein Content in Uterine and Umbilical Vessels in an Ovine Model of Fetal Growth Restriction. Poster Presentation. Society for Maternal-Fetal Medicine 26th Annual Meeting, Miami, FL. February, 2006.
83. **Galan HL**, Marconi AM, Paolini CL, Cheung A, Battaglia FC. Placental transport of essential amino acids in human pregnancy: An *in vivo* study. Oral Presentation. Society for Gynecologic Investigation 53rd Annual Scientific Meeting. Toronto, Canada. March 22-25, 2006. *J Soc Gynecol Investig* 13(2):77A, 2006.
84. Arroyo JA, Anthony RV, Parker TA, **Galan HL**. Increased placental apoptosis correlates with a decrease in the concentration of the x-linked inhibitor of apoptosis protein (XIAP) in an ovine model of IUGR. Poster Presentation. Society for Gynecologic Investigation 53rd Annual Scientific Meeting. Toronto, Canada. March 22-

-
- 25, 2006. J Soc Gynecol Investig 13(2):111A, 2006.
85. Arroyo JA, Pandipati S, Anthony RV, Parker TA, **Galan HL**. Uterine and placental blood vessel eNOS concentration in an ovine model of fetal growth restriction. Poster presentation. Society for Gynecologic Investigation 53rd Annual Scientific Meeting. Toronto, Canada. March 22-25, 2006. J Soc Gynecol Investig 13(2):111A, 2006.
 86. Ziebell BT, Arroyo JA, Anthony RV, Parker TA, Regnault TRH, **Galan HL**. Mid-gestation transcriptional control of eNOS in the placenta and uterine –umbilical vasculature in an ovine model of fetal growth restriction. Poster Presentation. Society for Maternal-Fetal Medicine 27th Annual Meeting, San Francisco, CA, February, 2007.
 87. Ziebell BT, Arroyo JA, Anthony RV, Parker TA, Regnault TRH, **Galan HL**. Placental and vascular transcriptional regulation of eNOS in an ovine model of fetal growth restriction. Poster Presentation. Society for Maternal-Fetal Medicine 27th Annual Meeting, San Francisco, CA, February, 2007.
 88. Arroyo JA, Anthony RV, Parker TA, Roe G, **Galan HL**. Increased umbilical blood nitric oxide correlates with increased phosphor-ERK Protein expression in an ovine model of fetal growth restriction. Poster Presentation. Society for Maternal-Fetal Medicine 27th Annual Meeting, San Francisco, CA, February, 2007.
 89. Arroyo JA, Anthony RV, Parker TA, Roe G, **Galan HL**. Decreased placental protein expression of phosphor-AKT correlates with a decreased in expression of eNOS protein at mid-gestation in an ovine model of fetal growth restriction. Poster Presentation. Society for Maternal-Fetal Medicine 27th Annual Meeting, San Francisco, CA, February, 2007.
 90. Arroyo JA, Anthony RV, Parker TA, **Galan HL**. Decreased expression of Phospho-AKT and Phospho-ERK in an ovine model of intrauterine growth restriction with systemic hypertension. Poster Presentation. Society for Gynecologic Investigation 54th Annual Scientific Meeting. Reno, NV. March 14-17, 2007. J Soc Gynecol Investig 14(1;supp):163A, 2007.
 91. Arroyo JA, Anthony RV, Parker TA, **Galan HL**. Placental expression of Phospho-AKT and Phospho-ERK near term in an ovine model of intrauterine growth restriction with systemic hypertension. Poster Presentation. Society for Gynecologic Investigation 54th Annual Scientific Meeting. Reno, NV. March 14-17, 2007. J Soc Gynecol Investig 14(1;supp):179A, 2007.
 92. Arroyo JA, Ziebell B, Teng C, **Galan HL**, Battaglia FC. Determination of the NAFT5/TonEBP transcription factor in the human placenta. Poster Presentation. Society for Gynecologic Investigation 54th Annual Scientific Meeting. Reno, NV. March 14-17, 2007. J Soc Gynecol Investig 14(1;supp):180A, 2007.
 93. Park M, Arroyo JA, and **Galan HL**. Effect of hypoxia on eNOS protein expression and nitric oxide in human term trophoblast and endothelial cells. Poster Presentation. Society for Maternal-Fetal Medicine 28th Annual Meeting, Dallas, TX, January, 2008.
 94. Park M, Arroyo JA, and **Galan HL**. Effect of hypoxia on proliferative activity and apoptosis in human term trophoblast. Poster Presentation. Society for Maternal-Fetal Medicine 28th Annual Meeting, Dallas, TX, January, 2008.
 95. Arroyo JA, Anthony RV, and **Galan HL**. Hypoxia and hyperthermic effects on signal transduction and

-
- proliferation in ovine umbilical vein endothelial cells. Poster Presentation. Society for Maternal-Fetal Medicine 28th Annual Meeting, Dallas, TX, January, 2008.
96. Arroyo JA, Anthony RV, Ziebell BT and **Galan HL**. Effect of hypoxia and hyperthermia on eNOS protein concentration in cultured ovine umbilical vein endothelial cells. Poster Presentation. Society for Maternal-Fetal Medicine 28th Annual Meeting, Dallas, TX, January, 2008.
97. Baschat AA, Turan O, Berg C, Turan S, Moyano D, Bhide A, **Galan HL**, Thilaganathan B, Bower S, Gembruch U, Nicolaides K, Harman C. Integration of venous Dopplers and biophysical profile provides optimal delivery timing in fetal growth restriction. Oral Presentation. Society for Maternal-Fetal Medicine 28th Annual Meeting, Dallas, TX, January, 2008.
98. Baschat AA, Turan O, Berg C, Turan S, Moyano D, Bhide A, Thilaganathan B, Bower S, **Galan HL**, Gembruch U, Nicolaides K, Harman C. Integrated fetal testing predicts all unexpected stillbirths in fetal growth restriction. Poster Presentation. Society for Maternal-Fetal Medicine 28th Annual Meeting, Dallas, TX, January, 2008.
99. Baschat A, Harman C, Robinson J and **Galan HL**. How should the growth restricted fetus be monitored before delivery? Results of a national survey. Poster Presentation. Society for Maternal-Fetal Medicine 28th Annual Meeting, Dallas, TX, January, 2008.
100. **Galan HL**, Cheung A, Marconi AM, Cinzia P, Staat BC, Battaglia FC. Placental transport of essential amino acids in human fetal growth restriction. Accepted for Oral Presentation. Society for Gynecologic Investigation 55th Annual Scientific Meeting. San Diego, CA, March, 2008. *Reprod Sci* 2008; 15 (1 Suppl): 91A.
101. Staat BC, Marconi AM, Paolini C, Cheung A, **Galan HL**, Battaglia FC. Maternal transplacental supply of mannose and fetal production of inositol in term uncomplicated pregnancies using stable isotopes. Accepted for Poster Presentation. Society for Gynecologic Investigation 55th Annual Scientific Meeting. San Diego, CA, March, 2008.
102. Arroyo JA, Ziebell BT, Park M, and **Galan HL**. Hypoxia does not affect mTOR pathway in cultured human trophoblast cells. Accepted for Poster Presentation. Society for Gynecologic Investigation 55th Annual Scientific Meeting. San Diego, CA, March, 2008.
103. Arroyo JA, Ziebell BT, Park M, and **Galan HL**. Increased expression of phospho-mTOR, phospho-p70, phospho-AKT and phospho-ERK in an ovine model of fetal growth restriction. Accepted for Poster Presentation. Society for Gynecologic Investigation 55th Annual Scientific Meeting. San Diego, CA, March, 2008.
104. Dohnal L, Barry JS, **Galan HL**, Wilkening RB and Anthony RV. Early gestation utero-placental hemodynamics in an ovine model of fetal growth restriction. Accepted for Poster Presentation. Society for Gynecologic Investigation 55th Annual Scientific Meeting. San Diego, CA, March, 2008.
105. Garcia-Jones P, **Galan HL**, Ziebell B, Battaglia B, Arroyo JA. Does Placental Insufficiency Trigger the Adaptive Response to Osmotic Stress? Enhanced NFAT5 mRNA abundance during early gestation in an ovine model of fetal growth restriction. Accepted for Poster Presentation. Pediatric Academic Society (PAS) and Society for Pediatric Research (SPR) National Conference. May 2-6 2008. Honolulu, Hawaii, and for an Oral Presentation for the Mead Johnson Nutritionals 72nd Perinatal & Developmental Medicine Symposium - The Neonatal Lung: Waiting to Inhale. May 29-June 2, 2008. The Sky Hotel, Aspen, Colorado.

106. Arroyo JA, Winn V, Ziebell BT, **Galan HL**. XIAP, caspase 3 and apoptosis in the preeclamptic placenta. Accepted for Poster Presentation. Society for Maternal-Fetal Medicine 29th Annual Meeting, San Diego, CA, January, 2009.
107. Arroyo JA, Ziebell BT, **Galan HL**. Increased placental apoptosis is an early event in an ovine model of intrauterine growth restriction. Accepted for Poster Presentation. Society for Maternal-Fetal Medicine 29th Annual Meeting, San Diego, CA, January, 2009.
108. Arroyo JA, Ziebell BT, Garcia-Jones P, **Galan HL**. Increase in placental aldose reductase but not NFAT5/TONEBP transcription factor in an ovine model of IUGR. Accepted for Poster Presentation. Society for Maternal-Fetal Medicine 29th Annual Meeting, San Diego, CA, January, 2009.
109. Arroyo JA, Li C, Schlabritz-Loutsevitch N, McDonald T, Ziebell BT, Nathanielsz P, **Galan HL**. Increased placental apoptosis protein in a baboon model of maternal nutrient restriction. Accepted for Poster Presentation. Society for Maternal-Fetal Medicine 29th Annual Meeting, San Diego, CA, January, 2009.
110. Baschat A, Berg C, Turan O, Turan S, **Galan HL**, Thilaganathan B, Nicolaides K, Genbruch U, Harman C. Natural history of stillbirth in placenta based fetal growth restriction – implications for surveillance. Accepted for Poster Presentation. Society for Maternal-Fetal Medicine 29th Annual Meeting, San Diego, CA, January, 2009.
111. Hoffman MC, Mahony R, Foley M, O’Herlihy C, Gibbs, R, **Galan HL**, Lynch A. A comparison of the incidence of preterm birth <34 weeks gestation among women in Dublin, Ireland and Denver, Colorado. Accepted for Poster Presentation. Society for Maternal-Fetal Medicine 29th Annual Meeting, San Diego, CA, January, 2009.
112. Schlabritz-Loutsevitch N, Barley D, Arroyo J, Jenkins S, Nijland M, Nathanielsz P, **Galan HL**. Umbilical vein volume blood flow – A unique evolutionary adaptation. Accepted for Poster Presentation. Society for Gynecologic Investigation 56th Annual Scientific Meeting, Glasgow, Scotland, March, 2009.
113. Kahn BF, Hernandez TL, Reece MS, **Galan HL**, Barbour L. Sonographic predictors of fetal fat accretion. Accepted for Poster Presentation. Society for Maternal-Fetal Medicine 30th Annual Meeting, Chicago, IL, February, 2010.
114. Arroyo JA, Oka Masahiko, **Galan HL**. Vasoreactivity in umbilical and uterine arteries in an ovine model of intrauterine growth restriction. Accepted for Oral Presentation. Society for Maternal-Fetal Medicine 30th Annual Meeting, Chicago, IL, February, 2010.
115. Dugoff L, Hancock N, Melendez B, Schneider J, **Galan HL**, Wheeler M, Davies J, Lynch A, Hobbins JC. Second trimester uterine artery Doppler in women with abnormal quad screen analytes. Accepted for Poster Presentation. Society for Maternal-Fetal Medicine 30th Annual Meeting, Chicago, IL, February, 2010.
116. Metz TD, Lynch AM, Wolfe PJ, Barry JS, **Galan, HL**. The Effect of Small for Gestational Age on Hemodynamic Parameters in the Neonatal Period: A Case-Control Study. Accepted for Poster Presentation. Society for Gynecologic Investigation 58th Annual Scientific Meeting, Orlando, FL, March 2010.
117. Gagnon AJ, Arroyo JA, Schaack J, **Galan HL**. Enhanced Retrovirus Transduction with Late Gestation Amniotic Fluid: A Step toward *In Utero* Gene Therapy? Accepted for Poster Presentation. Society for Gynecologic

Investigation 58th Annual Scientific Meeting, Orlando, FL, March 2010.

118. Lee GT, **Galan HL**, Teng C, Battaglia F, Arroyo JA. Hyperosmolarity Increases Inositol, Sorbitol and NFAT5/TonEBP Concentrations in Trophoblast Cells. Accepted for Poster Presentation. Society for Gynecologic Investigation 58th Annual Scientific Meeting, Orlando, FL, March 2010.
119. Lee GT, Arroyo JA, Dodson RB, Marconi AM, Battaglia F, **Galan HL**. Heterogeneous Distribution of Oxygen Consumption and Amino Acid Transporters in the Human Placental Villous Tree. Poster Presentation. Society for Gynecologic Investigation 58th Annual Scientific Meeting, Orlando, FL, March 2010.
120. Parker TA, Grover TR, Arroyo JA, **Galan HL**. Altered Pulmonary Vasoregulation in Fetal and Neonatal Lambs with Intrauterine Growth Restriction (IUGR). Accepted for Oral Presentation. Society for Gynecologic Investigation 58th Annual Scientific Meeting, Orlando, FL, March 2010.
121. Lovgren TR, Arroyo JA, Oka M, **Galan HL**. Vasconstriction in Umbilical Arteries in an Ovine Model of Intrauterine Growth Restriction. Accepted for Poster Presentation. Society for Gynecologic Investigation 58th Annual Scientific Meeting, Orlando, FL, March 2010.
122. Lee G, Oka M, Statwick J, Arroyo J, Galan, HL. Vasoconstriction in uterine arteries in an ovine model of IUGR. Poster Presentation. Society for Gynecologic Investigation 58th Annual Scientific Meeting, Miami, FL, March 2011.
123. Moore G, Barbour L, Fisher B, Kahn B, Hernandez T, Reynolds R, Reece M, Anderson M, Friedman J, Lee W, **Galan, HL**. Neonatal adiposity is predicted by ultrasound estimates of the fetal thigh volume at 28 weeks gestation. Regular Concurrent Oral Presentation. . Society for Gynecologic Investigation 60th Annual Scientific Meeting. Orlando, FL, March 2013.
124. Behrendt, N, Meyers M, **Galan HL**, Crombleholme T. Ultrasound versus Fetal MRI: Is there a difference in fetal brain ventricular measurements. Poster Presentation. Society for Maternal-Fetal Medicine 34th Annual Meeting, New Orleans, February, 2014.
125. Howley L, Behrendt N, Jone P, Beaty B, **Galan HL**, Crombleholme T. Increased atrioventricular valve inflow durations in donor twins: novel evidence of hemodynamic variance from the normal population. Poster Presentation. Society for Maternal-Fetal Medicine 34th Annual Meeting, New Orleans, February, 2014.
126. Moore GS, Allshouse AA, Post AL, **Galan HL**, Heyborne KD. Early initiation of two-dose aspirin decreases late-onset preeclampsia, especially in women with chronic hypertension. Poster Presentation. Society for Maternal-Fetal Medicine 34th Annual Meeting, New Orleans, February, 2014.
127. Moore GS, Allshouse AA, Post AL, Winn V, **Galan HL**, Heyborne KD. Preeclampsia risk with low placental growth factor (PIGF) levels in the first trimester is not modified by early aspirin prophylaxis. Poster Presentation. Society for Maternal-Fetal Medicine 34th Annual Meeting, New Orleans, February, 2014.
128. Moore G, Allshouse A, Fisher B, Kahn B, Hernandez T, Reynolds R, Reece, M, Barbour L, **Galan HL**. Do 28 week ultrasound measurements of the fetal limb soft tissue predict adiposity at birth? Poster Presentation. Society for Maternal-Fetal Medicine 35th Annual Meeting, San Diego, February, 2015.

-
129. Behrendt N, Jessel R, Allshouse A, Zaretsky M, **Galan H** Liechty K, Marwan A, Crombleholme T. The donor twin survival score (dtss): a model to predict donor twin survival following laser photocoagulation for twin-to-twin transfusion syndrome complicated by placental insufficiency. Poster Presentation. Society for Maternal-Fetal Medicine 35th Annual Meeting, San Diego, February, 2015.
 130. Zaretsky MV, Liechty KW, **Galan HL**, Behrendt NJ, Reeves S, Marwan R, Wilkinson C, Handler M, Crombleholme TM. Modified hysterotomy closure technique for prenatal myelomeningocele repairs. Poster Presentation. Society for Maternal-Fetal Medicine 36th Annual Meeting, Atlanta, February, 2016.
 131. Ehrig J, Meyers M, Behrendt NJ, Howley L, Cuneo B, Mirsky D, Zaretsky MV, Liechty K, Crombleholme TM, **Galan HL**. Abnormal fetal vascular studies in Twin-Twin Transfusion Syndrome (TTTS) and their association to abnormalities in fetal brain MRI. Poster Presentation. Society for Maternal-Fetal Medicine 36th Annual Meeting, Atlanta, February, 2016.
 132. Howley L, Patel SS, Zaretsky M, Weisenborn E, Crombleholme TM, Cuneo B, **Galan HL**. Systolic to diastolic time index in assessment of cardiac function in Twin Twin Transfusion Syndrome cardiomyopathy. Poster Presentation. Society for Maternal-Fetal Medicine 36th Annual Meeting, Atlanta, February, 2016.
 133. Tucker BD, Zaretsky MV, **Galan HL**, Reyndolds RM, Marwan AI, Browne LP, Montgomery KR, Schneider MB, Manchester DK. Low fetal fraction prevents detection of fetal triploidy by cell-free DNA screening. Abstract accepted as Poster at National Soc of Gen Counselors. 2016.
 134. Son SL, Gumina D, Pinter M, Gillan A, Behrendt N, Reeves S, Zaretsky MV, Hobbins JC, Galan HL. Correlation of 3D fractional limb volumes of the fetal thigh in fetal growth restriction (FGR) with normal and abnormal Doppler studies. Poster Presentation. Society for Maternal-Fetal Medicine 37th Annual Meeting, Las Vegas NV, January, 2017.
 135. Galan HL, Gumina D, Pinter M, Gillan A, Behrendt N, Reeves S, Zaretsky M, Hobbins JC. Relationship between umbilical vein volume flow, umbilical artery and MCA Doppler in late preterm growth restricted fetuses. Poster Presentation. Society for Maternal-Fetal Medicine 37th Annual Meeting, Las Vegas NV, January, 2017.
 136. Zaretsky MV, Liechty KW, Galan HL, Behrendt NJ, Reeves S, Marwan AI, Wilkinson C, Handler M, Lagueux, Crombleholme TM. Modified hysterotomy closure technique for open fetal surgery. Poster Presentation. Botswana, Africa, August, 2017.
 137. Hodges MM, Mirsky DM, Handler M, Wilkinson CC, Galan HL, Zaretsky MV, Behrendt N, Marwan AI, Wagner JL, Jacot JG, Crombleholme TM, Liechty KW. In utero primary repair of myelomeningocele is associated with increased improvement of hindbrain herniation compared to patients undergoing in utero patch repair. American Pediatric Surgical Association Annual Meeting, 2017.
 138. Gumina D, Behrendt N, Pinter M, Gillan A, **Galan H**, Hobbins J. Umbilical vein flow calculation methods: correlation with each other and umbilical artery pulsatility index. Poster Presentation, SRI March 2017.
 139. Hilton SA, Hodges MM, Dewberry LC, Mirsky DM, Handler M, Wilkinson CC, **Galan HL**, Zaretsky MV, Behrendt N, Marwan AI, Pyle L, Wagner JL, Jacot JG, Zgheib C, Crombleholme TM, Liechty KW. Preoperative use of three dimensional printed templates in the repair of large fetal myelomeningoceles. Accepted to ASC 2018

-
140. Ehrig J, Paulsen K, Tong S, Meier, Laguez, **Galan HL**, Zaretsky MV, Behrendt N. Use of virtual organ computer-aided analysis (VOCAL) for volume calculation compared to traditional volume calculations of fetal thoracic tumors. Poster Presentation, SMFM, 2018. Dallas, TX.
 141. Schuchardt EL, Patel SS, Cuneo BF, **Galan HL**, Zaretsky MV, Park D, Gilbert L, Hauptman R, Paulson K, Howley LW. Assessment of fetal myocardial function: experience matters. Poster Presentation, SMFM, 2018. Dallas, TX.
 142. Zaretsky MV, Behrendt NJ, Lagueux M, Pan Z, Marwan AI, Liechty KW, **Galan, HL**. Best predictors of duration of pregnancy and gestational age at delivery after fetoscopic laser photocoagulation for TTTS. Poster Presentation, SMFM, 2018. Dallas, TX.
 143. Son SL, Gumina DL, Driscoll BE, Gillan A, Harper T, Hobbins JC, **Galan HL**. Discrepant Doppler values in paired umbilical arteries in the growth restricted fetus and the relationship to fetal biometry. Poster Presentation. SMFM, Dallas, TX, 2018.
 144. Ehrig J, Behrendt N, Lagueux M, Liechty KW, Zaretsky MV, Crombleholme TM, **Galan HL**. Immediate perioperative predictors of survival in TTTS. Society of Reproductive Investigation. Oral Presentation. San Diego, CA. March 8, 2018. Pfizer President's Presenter Award.
 145. Steller JG, Gumina D, Gillan A, Reeves S, Hobbins J, **Galan HL**. Comparison of umbilical vein flow with umbilical artery pulsatility index in fetal growth restriction. Poster Presentation. Las Vegas, NV. January 14-16, 2019.
 146. Steller JG, Gumina D, Gillan A, Son S, Reeves S, Hobbins J, **Galan HL**. Comparison of 3D fetal thigh fractional limb volume between two fetal growth restriction cohorts. Poster Presentation. Las Vegas, NV. January 14-16, 2019.
 147. Steller JG, Gumina D, Gillan A, Son S, Reeves S, Hobbins J, **Galan HL**. Comparison of fetal thigh fractional limb volume with neonatal ponderal index in fetal growth restriction. Poster Presentation. Las Vegas, NV. January 14-16, 2019.
 148. Steller JG, Gumina D, Gillan A, **Galan HL**, Hobbins JC, Reeves S. Patterns of brain sparing in fetal growth restriction. SRI Poster presentation. 2019. Paris, France.
 149. Steller JG, Gumina D, Gillan A, Baily B, **Galan HL**, Hobbins JC, Reeves S. Correlation of fetal Doppler assessment with neonatal ponderal index in fetal growth restriction. SRI Poster presentation. 2019. Paris, France.
 150. Leopold DK, Phillips R, Wood C, Behrendt N, Zaretsky MV, **Galan HL**. Moulton SL. Insight into hemodynamic compensation during SFLP using the CRI. Accepted for presentation at International Anesthesia Research Society. Montreal, Canada. May 17-20, 2019.
 151. Steller JG, Driver C, Gumina D, Harper T, Hobbins J, **Galan HL**. Doppler of one or both umbilical arteries in fetal growth restriction and clinical decision making. Poster presentation at SMFM 2020. Grapevine, TX.
 152. Steller JG, Gumina D, Driver C, **Galan HL**, Hobbins J, Reeves S. Patterns of brain sparing in a fetal growth

restriction cohort. Poster presentation at SMFM 2020. Grapevine, TX.

153. Willner EC, Driver C, Fought AJ, **Galan HL**, Behrendt NJ, Hobbins J. Fetal outcomes among growth restricted fetuses by Hadlock versus GROW customized growth chart. Poster presentation at SMFM 2020. Grapevine, TX
154. Lagueux MM, Silveira LJ, Cuneo BF, Liechty KW, Marwan AI, Behrendt NJ, **Galan HL**, Zaretsky MV. Delivery outcomes of monochorionic twins without standard twin twin transfusion staging criteria undergoing laser photocoagulation. Poster presentation at SMFM 2020. Grapevine, TX
155. Steller JG, Driver C, Gumina D, Hobbins J, **Galan HL**. Calculation of cerebroplacental ratio (CPR) using both umbilical arteries versus individual umbilical arteries. Poster presentation at SMFM 2020. Grapevine, TX.
156. Hesse H, Levek C, Wilcox A, Steller J, C, **Galan, H**, Hobbins, J, Brown L. Pathological fetal growth restriction results in reduction in lean mass growth that persists into the neonatal period. Submitted to the 2020 PAS Annual Clinical Meeting.
157. Hamidi OP, Driver C, Fought AJ, Steller JG, Gumina D, Reeves S, **Galan HL**, Hobbins J. Is corpus callosum size affected in the setting of fetal growth restriction (FGR)?. Poster presentation at SMFM 2020. Grapevine, TX
158. Hamidi OP, Driver C, Fought AJ, Steller JG, Gumina D, Reeves S, **Galan HL**, Hobbins J. Is cerebellar vermis size affected in the setting of fetal growth restriction (FGR)?. Poster presentation at SMFM 2020. Grapevine, TX
159. Lagueux MM, Silveira LJ, Cuneo BF, Liechty KW, Marwan AI, Behrendt NJ, **Galan HL**, Zaretsky MV. Factors associated with mortality in monochorionic twins affected by selective intrauterine growth restriction undergoing fetoscopic laser photocoagulation. Poster Presentation at SRI. 2020. Vancouver, Canada.

INTERESTS/ HOBBIES/COMMUNITY SOCIETIES:

- Knights of Columbus - St. Luke's Council 7197
- Tee ball coach, 1993, 2007, 2008
- Skiing, biking, swimming, jogging, weight lifting, hunting
- Class A Intramural Racquetball Champion:
 - University of Texas at Austin, 1984
 - Texas A&M University, 1986
- Corporate Challenge Champion in Swimming & Racquetball: 1989, 1990, 1991
- Stroke & Turn Official and Starter; Chaparral Shark Swim Team; Mountain-Hi Swim League: 2007-2015