

Michael V Zaretsky, MD FACOG
Associate Professor
Maternal Fetal Medicine
Department of Obstetrics and Gynecology

Director, Colorado Fetal Care Center

University of Colorado Anschutz Medical Campus
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Children's Hospital of Colorado
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13123 East 16th Avenue
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EDUCATION:

Undergraduate: Youngstown State University 1991-93, B.S.
Youngstown, OH

Graduate: Northeast Ohio Medical University 1993-97, M.D.
Rootstown, OH

Internship/
Residency: Baylor University Medical Center 1997-2001
Dallas, TX

Fellowship: Maternal-Fetal Medicine 2001-2004
University of Texas Southwestern
Medical Center and
Parkland Memorial Hospital
Dallas, Texas

CERTIFICATION: American Board of Obstetrics & Gynecology- Fellow
Maternal Fetal Medicine- Fellow
- Written general exam passed 2001

- Oral general exam passed 2005
- Written MFM passed 2005
- Oral MFM passed 2007

LICENSURE: Colorado 0052417

CURRENT POSITION:

Associate Professor 2013-present
Department Of Obstetrics and Gynecology
Division of Maternal Fetal Medicine
University of Colorado Anschutz Medical Campus

Director, Colorado Fetal Care Center 2018-present

Director, Maternal Fetal Care Unit 2014-present
Colorado Fetal Care Center
University of Colorado Anschutz Medical Campus

Local Principal Investigator, North American Fetal
Therapy Network 2013-present

Research Subcommittee Lead, Colorado Fetal Care
Center

PRIOR POSITIONS:

Associate Professor 2012-2013
Department of Obstetrics and Gynecology
University of Texas Southwestern Medical Center

Assistant Professor, 2006-2012
Department of Obstetrics and Gynecology
University of Texas Southwestern Medical Center

Medical Director, Maternal Fetal Medicine Outreach
2008-2013
Maternal Fetal Medicine at Children's Medical Center
UT Southwestern Medical Center
Plano, TX

Director of Fetal Therapy, 2006-2013
UT Southwestern Medical Center, Dallas
Parkland Memorial Hospital

Maternal Fetal Medicine 2004-2006

Private Practice
Collin County, Texas

SPECIALIZATION:

Fetal diagnosis and therapy
High-risk and complicated pregnancy
Prenatal diagnosis and genetics
Fetal malformations
Ultrasound imaging

HOSPITAL AFFILIATIONS:

University of Colorado Anschutz 2013-present
Aurora, Colorado

Children's Hospital of Colorado 2013-present
Aurora, Colorado

Littleton Adventist Hospital 2013-present
Littleton, CO

Parker Adventist Hospital 2013-present
Parker, CO

Castle Rock Adventist Hospital. 2016-present
Castle Rock, CO

UT Southwestern Medical Center 2006-2013
Dallas, Texas

Parkland Memorial Hospital 2006-2013
Dallas, Texas

Baylor Frisco 2008-2013
Frisco, Texas

Presbyterian of Allen 2008-2013
Allen, Texas

Presbyterian Hospital of Plano 2004-2013
Plano, Texas

Medical Center of Plano 2004-2013
Plano, Texas

Trinity Medical Center Carrollton, Texas	2004-2013
Centennial Medical Center Frisco, Texas	2004-2013
Medical Center of Lewisville Lewisville, Texas	2009-2013
Methodist Medical Center Dallas, Texas	2004-2005
Parkland Memorial Hospital Dallas, Texas	2001-2004
St. Paul Medical Center Dallas, Texas	2001-2004

PREVIOUS POSITIONS:

Executive Committee, NAFTNet 2010-2013

Consultant for Texas Medical Liability Trust

Private Practice Maternal Fetal Medicine in Collin/Denton County
2004-2006

Maternal Fetal Medicine Fellow 2001-2004

Ob/Gyn Float Physician, Presbyterian Hospital, Dallas 2001-2004

Resident Physician, Baylor Medical Center Dallas 1997-2001

Tutor, Anatomy and Biochemistry, NEOUCOM, Rootstown, OH
(1994)

Laboratory Instructor, NEOUCOM, Rootstown, OH (1994)

Laboratory Assistant, Histology & Biology, Youngstown State
University, Youngstown, OH (1993)

SOCIETIES, COMMITTEES:

Steering Committee Chair, NAFTNet 2018-present

Education Committee, NAFTNet 2015-present

Search Committee CU Denver, Division MFM 2017-2018

Blood Utilization, Children's Hospital of Colorado 2014- present

Quality and Safety Committee CIMFH 2014-present

AEF Committee for UC Denver OB/GYN Department 2016- present

Prior Executive Committee North American Fetal Therapy Network
2010-2013

Membership Committee, North American Fetal Therapy Network
2010-present

Principal Investigator, North American Fetal Therapy Network

Prior Fetal Therapy Committee Parkland Memorial Hospital

Ex-Utero Intrapartum Therapy Committee UT Southwestern

American College of Obstetricians & Gynecologists

Texas Medical Association

Collin County Medical Society

Chairman, Dept OB/GYN Centennial Medical Center- 2006

HONORS/AWARDS:

Undergraduate:

Phi Kappa Honor Society

Golden Key National Honor Society

Youngstown State University Foundation Scholarship (1992)

Dean's List (all quarters)

Medical School:

Alpha Omega Alpha Honor Society

Committee Concerning Curriculum of the Undergraduate Medical
Program (1994-95)

Internship/Residency:

Wyeth-Ayerst Resident Reporter, ACOG Annual Clinical Meeting

Kemp Strother CREOG Award, 1998 and 2001

Professional

Core Clerkship Teaching Award- 2006-2007

Elected Executive Committee NAFTNet 2010

Elected Steering Committee NAFTNet 2018

Nominated for Foundations of Doctoring Award, CU Denver 2016

Named Director of Colorado Fetal Care Center 2018

Accepted to Physician Leadership Development Course, Children's Hospital Of Colorado

RESEARCH PROJECTS/STUDIES:

1. "Fetal Growth Restriction Perlman Study" with PI John Hobbins
2. "Amniocentesis utilization in the setting of exam indicated cerclage" PI Laura Rodriguez-Riesco- initial manuscript submission now awaiting revision and resubmission.
3. "Fetal echocardiogram findings in fetal genitourinary malformations" PI Michael V. Zaretsky, MD- manuscript submitted to Fetal Diagnosis and Therapy
4. "Indications for delivery after SFLP for Twin-Twin Transfusion Syndrome" North American Fetal Therapy Network PI Michael Zaretsky, MD (2010-present)- initial manuscript submission to AJOG. Second submission in process to MFM AJOG
5. "ONQ pump utilization for cesarean delivery" PI Michael V. Zaretsky - manuscript published
6. "Addition of intravenous anesthesia and early magnesium sulfate reduces inhaled anesthesia requirement during open fetal surgery for myelomeningocele repair." PI Cristina Wood and manuscript submitted
7. "Indomethacin dosing and constriction of the ductus arteriosus during open fetal surgery for myelomeningocele repair" PI Lisa Howley- manuscript published
8. "FDA IDE and IRB - FETO for CDH" PI Ken Liechty
9. "FDA IDE and IRB - Fetoscopic MMC repair" PI Rony Marwan
10. "MOMS Plus" PI Michael Zaretsky, MD
11. "Prenatal Diagnosis of Aqueductal Stenosis" PI Henry Galan
12. "GOOD Study" PI Nicholas Behrendt

13. "Complicated monochorionic twin database" PI William Goodnight for the North American Fetal Therapy Network
14. "fMMC registry" PI Julie Moldenhauer for the North American Fetal Therapy Network
15. "Standardization of risk stratification for fetuses with isolated CDH" PI Rodrigo Ruano for the North American Fetal Therapy Network
16. Awaiting NIH grant for "Preventive strategies for TTTS including pessary and progesterone" through George Washington University. PI Ramesh Papanna for the North American Fetal Therapy Network
17. "Sleep disorder breathing in neonates with myelomeningocele" PI Renee Shellhaas for the North American Fetal Therapy Network
"ONQ Pump for postoperative pain management" PI Michael Zaretsky
18. "Variables correlating with the duration of pregnancy after selective fetoscopic laser photocoagulation" PI Michael Zaretsky, MD
19. "Comparison of congenital pulmonary airway malformations volume ratios calculated by ultrasound and magnetic resonance imaging" PI Anna Euser, MD 2014
20. "Oxidative stress in fetuses with decompensated alloimmune hemolytic disease of the fetus and newborn (HDFN) North American Fetal Therapy Network PI Richard O'Shaughnessy, MD (2010-2013}
21. "Natural history registry for pregnancies complicated by lower urinary tract obstruction with normal amniotic fluid" North American Fetal Therapy Network (2010-present)
22. "Karl Storz Fetoscopic Instrument Set for the treatment of Twin-Twin Transfusion Syndrome" (2008-present)
23. "Randomized trial of misoprostol vs. prostin for induction of labor"
Principal Investigator: Christine Brandl, M.D., Baylor University Medical Center, Dallas, TX (1998-99)
24. "Prospective randomized clinical trial of misoprostol for induction of labor for premature rupture of membranes at term: a multicenter trial" Principal Investigator: Ellen Mozurkewich, M.D., University of Michigan Medical Center, Ann Arbor, MI
Local PIs: Frank Andersen, M.D. & Michael V Zaretsky, M.D. (1999-2001)

25. "Comparison between ultrasound and fetal magnetic resonance imaging in the prediction of birthweight and amniotic fluid volume" Investigators: Michael Zaretsky, M.D., Diane M. Twickler, M.D., Kenneth J. Leveno, M.D. (2001-2004)

PUBLICATIONS

Journal Articles

1. Twickler DM, Magee KP, Caire J, Zaretsky M, Fleckenstein JL, Ramus RM. Second-opinion magnetic resonance imaging for suspected fetal central nervous system abnormalities. *Am J Obstet Gynecol* 2003;188:492-6.
2. Zaretsky MV, Ramus RM, Twickler DM. Single uterine axial fast acquisition magnetic resonance fetal survey: is it feasible? *J Matern Fetal Neonat Med* 2003;14:107-112.
3. Zaretsky MV, Twickler DM. Magnetic resonance imaging in obstetrics. *Clin Obstet Gynecol* 2003;46:866-877.
4. Mozurkewich E, Horrocks J, Daley S, von Oeyen P, Halvorson M, Johnson M, Zaretsky M, Tehranifar M, Bayer-Zwirello L, Robichaux A III, Droste S, Turner G. The MisoPROM study: a multicenter randomized comparison of oral misoprostol and oxytocin for premature rupture of membranes at term. *Am J Obstet Gynecol* 2003;189:1026-30.
5. Zaretsky MV, McIntire D, Twickler DM. Feasibility of the fetal anatomic and maternal pelvic survey by magnetic resonance imaging at term. *Am J Obstet Gynecol* 2003;189:997-1001.
6. Zaretsky MV, Reichel TF, McIntire D, Twickler DM. Comparison of magnetic resonance imaging to ultrasound in the estimation of birth weight at term. *Am J Obstet Gynecol* 2003;189:1017-20.
7. Zaretsky MV, Alexander JM, Byrd W, Bawdon, RE. Transfer of inflammatory cytokines across the placenta. *Obstet Gynecol* 2004;103:546-50.
8. Zaretsky MV, Twickler DM, McIntire DD, Reichel TF, Leveno KJ. Correlation of measured amniotic fluid volume to sonographic and magnetic resonance predictions of oligohydramnios. *Am J Obstet Gynecol*. 2004;191:2148-53.
9. Zaretsky MV, Ramus RM, McIntire DD, Magee KP, Twickler DM. Magnetic resonance calculation of lung volumes to predict outcome in fetuses with

genitourinary abnormalities. *AJR Am J Roentgenol* 2005;185:1328-34.

10. Hassibi S, Farhataziz N, Zaretsky M, McIntire D, Twickler DM. Optimization of fetal weight estimates using MRI: comparison of acquisitions *AJR Am J Roentgenol*. 2004;183:487-92.

11. Boreham M, Zaretsky M, Corton J, Alexander J, McIntire D, Twickler D. Appearance of the levator Ani muscle in pregnancy as assessed by 3-D MRI. *Am J Obstet Gynecol* 2005;193:2159-2164.

12. Zaretsky MV, Alexander JM, McIntire DD, Hatab MR, Twickler DM, Leveno KJ. Magnetic resonance imaging pelvimetry and the prediction of labor dystocia. *Obstet Gynecol* 2005;106:919-26.

13. Farhataziz N, Engels JE, Ramus RM, Zaretsky M, Twickler DM. Fetal MRI of urine and meconium by gestational age for the diagnosis of genitourinary and gastrointestinal abnormalities. *JR Am J Roentgenol* 2005;184:1891-7.

14. Hatab M, Zaretsky M, Alexander J, Twickler D. Comparison of fetal biometric values with sonographic and 3D reconstruction MRI in term gestations. *AJR* 2008.191:340-345.

15. Pates JA, Zaretsky MV, Alexander J, Babcock EE, McIntire DD, Twickler DM. Determining Cervical Ripeness and Labor Outcome: The Efficacy of Magnetic Resonance T₂ Relaxation Times. *Obstet Gynecol*. 2007 Feb;109:326-30.

16. Pates JA, Avendanio TC, Zaretsky MV, McIntire DD, Twickler DM. The appendix in pregnancy: confirming historical observations with a contemporary modality. *Obstet Gynecol* 2009;114:805-808.

17. Zaretsky MV, Somme S, Crombleholme TM. The Role of Adjunctive Medical Therapy in the Fetoscopic Surgical Treatment of Twin Twin Transfusion Syndrome *Amer J Perinatol* 2014 Sep;31 Suppl 1:S39-46.

18. Howley L, Wood C, Patel SS, Zaretsky MV, Crombleholme T, Cuneo B. Flow patterns in the ductus arterioles during open fetal myelomeningocele repair. *Prenatal Diagnosis* 2015. 35:564-70.

19. Euser AG, Meyers ML, Zaretsky MV, Crombleholme TM. Comparison of congenital pulmonary airway malformation volume ratios calculated by ultrasound and magnetic resonance imaging. *J Matern Fetal Neonatal Med* 2016. 29:3172-7.

20. 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. 30:298-301
21. DeVore GR, Zaretsky M, Gumina DL, Hobbins JC. Abnormal cardiovascular 24-segment sphericity index of the right and left ventricles in fetuses with growth restriction. *Ultrasound Obstet Gynecol.* 2017 Jul 263.
22. Zaretsky MV, Liechty KW, Galan HL, Behrendt NJ, Reeves S, Marwan AI, Wilkinson C, Handler M, Lagueux M, Crombleholme TM. Modified hysterotomy closure technique for open fetal surgery. *Fetal Diagn Ther* 2017 Sep 6.
23. Zaretsky MV, Manchester DK, Galan HL, Behrendt NJ, Marwan AI, Liechty KW, Crombleholme TM. Myometrial window following fetoscopic treatment of twin-twin transfusion syndrome: Indications of underlying vascular disease? *Clinical Case Reports* 2017. May 9.
24. Johnson MP, Danzer E, Koh J, Polzin W, Harman C, O'Shaughnessy R, Brown R, Zaretsky MV; North American Fetal Therapy Network (NAFTNet). History of fetal lower urinary tract obstruction with normal amniotic fluid volume at initial diagnosis. *Fetal Diagn Ther.* 2017 Jul 13.
25. Zaretsky MV, Wood CL, Nivens TL, McLaughlin G, Zuk J, Pan Z, Chow F. Continuous local bupivacaine wound infusion with neuraxial morphine reduces opioid consumption after cesarean delivery. *Journal of Maternal-Fetal and Neonatal Medicine.* *J Matern Fetal Neonatal Med* 2018; 30:1-8.
26. Hobbins JC, Gumina DL, Zaretsky M, DeVore GR. Measurements of the shape and size of the four-chamber view in fetuses with intrauterine growth restriction: Correlation with Doppler studies of the umbilical and middle cerebral arteries. *Prenatal Diagnosis.* Submitted 4 2018.
27. Zaretsky MV, Behrendt NJ, Lagueux M, Pan Z, Marwan AI, Liechty KW, Galan HL. Best predictors of duration and gestational age at delivery after fetoscopic laser photocoagulation for twin-twin transfusion syndrome. *Am J Obstet Gynecol* Submitted 3 2018.
28. Zaretsky MV, Tong S, Lagueux M, Lim FY, Khalek N, Emery SP, Davis S, Moon-Grady AJ, Drennan K, Treadwell MC, Petersen E, Santiago-Munoz P, Brown R, for the North American Fetal Therapy Network. North American Fetal Therapy Network: Indications for delivery following laser ablation for twin-twin transfusion syndrome. *Am J Obstet Gynecol* Submitted 3 2018.
28. Niestadt B, Carrubba A, Zaretsky M. Natural Killer/T-cell lymphoma and secondary hemophagocytic lymphohistiocytosis in pregnancy. *BMJ Case Reports* 2018 Sep 15;2018.

Abstracts

1. Zaretsky MV, Andersen F. Prospective randomized clinical trial of misoprostol for induction of labor for premature rupture of membranes at term: a multicenter trial. Julian Wells Lectureship, Baylor University Medical Center, Dallas, TX, June 15, 2001.
2. Twickler DM, Magee KP, Zaretsky N, Ramus RM. Second opinion magnetic resonance imaging for suspected fetal central nervous system abnormalities. Society for Maternal-Fetal Medicine Annual Meeting, New Orleans, LA, January 14-18, 2002. Am J Obstet Gynecol 2001;185:S98 (#63).
3. Zaretsky MV, Ramus RM, Twickler DM. Fast acquisition magnetic resonance fetal survey: Is it feasible? Society for Gynecologic Investigation, Los Angeles, CA, March 18-23, 2002. J Soc Gynecol Invest 2002;9:106A (#128).
4. Reichel TF, McIntire D, Zaretsky M, Ramus RM, Magee KP, Twickler DM. Feasibility of magnetic resonance imaging in calculation of fetal weight and amniotic fluid Michael V. Zaretsky, M.D. - 7 volume. American Roentgen Ray Society Annual Meeting, Atlanta, GA, April 28-May 3, 2002 (#123).
5. Caire JT, Zaretsky M, Magee KP, Ramus RM, Twickler DM. MR imaging findings of complicated twin pregnancies. American Roentgen Ray Society Annual Meeting, Atlanta, GA, April 28-May 3, 2002 (#263).
6. Zaretsky MV, McIntire D, Twickler DM. Feasibility of the fetal anatomic and maternal pelvic survey by magnetic resonance imaging at term. Society for Maternal-Fetal Medicine, San Francisco, CA, Feb. 3-8, 2003. Am J Obstet Gynecol 2002;187:S192 (#490).
7. Zaretsky MV, Reichel TF, McIntire D, Twickler DM. Comparison of magnetic resonance imaging to ultrasound in the estimation of birth weight at term. Society for Maternal-Fetal Medicine, San Francisco, CA, Feb. 3-8, 2003. Am J Obstet Gynecol 2002;187:S192 (#491).
8. Mozurkewich E et al. for the MisoPROM Trial Group. The MisoPROM Study: A randomized controlled trial of misoprostol for premature rupture of membranes at term. Society for Maternal-Fetal Medicine, San Francisco, CA, Feb. 3-8, 2003. Am J Obstet Gynecol 2002;187:S168 (#398).
9. Zaretsky MV, Alexander J, Bawdon R. The transfer of IL-1 α , IL-6 and TNF- α in the ex-vivo human placental model. Society of Gynecologic Investigation, Washington, D.C., March 26-29, 2003. J Soc Gynecol Invest 2003;10:158A (#205).

10. Zaretsky MV, Reichel TF, McIntire D, Twickler DM. Magnetic resonance measurements of fetal head volume and pelvimetry at term. Society of Gynecologic Investigation, Washington, D.C., March 26-29, 2003. J Soc Gynecol Investig 2003;10:224A (#406).
11. Engels JE, Ramus RM, Zaretsky M, Fullington BK, Twickler DM. Ultrafast T1-weighted SPGR and T2-weighted SSFSE MR Sequences; Findings in fetal genitourinary and gastrointestinal abnormalities. American Roentgen Ray Society, San Diego, CA, May 4-9, 2003.
12. Hassibi SM, Reichel TF, Zaretsky M, McIntire DD, Twickler DM. MR Calculation of fetal weight at term: comparison of planar orientations. American Roentgen Ray Society, San Diego, CA, May 4-9, 2003.
13. Gouvion MD, Ramus RM, Zaretsky M, Twickler DM. MR evaluation of the fetal corpus callosum in relation to gestational age and CNS dysmorphology. Michael V. Zaretsky, M.D. - 8 Radiological Society of North America Annual Scientific Assembly, Chicago, Illinois, Nov. 30-Dec. 5, 2003 (#992).
14. Brandon JS, Ramus RM, Zaretsky MV, Twickler DM. Fetal magnetic resonance imaging of Chiari II malformations and associated spinal defects: Does gestational age effect ability to identify features? Radiological Society of North America Annual Scientific Assembly, Chicago, Illinois, Nov. 30-Dec. 5, 2003 (#519PD-p).
15. Zaretsky M, Ramus R, McIntire D, Magee K, Twickler DM. Magnetic resonance lung volumes in fetuses with suspected genitourinary abnormalities. Society for Maternal-Fetal Medicine, New Orleans, LA, Feb. 2-7, 2004 (#631).
16. Omar HA, Zaretsky MV, Hatab MR, Alexander JM, McIntire DD, Twickler DM. Comparison of fetal biometry measurements by MRI and ultrasound in term and postterm gestations. American Roentgen Ray Society, Miami Beach, FL, May 2-7, 2004 (Submitted).
17. Zaretsky MV, McIntire D, Reichel TF, Twickler DM. Correlation of measured amniotic fluid volume to sonographic and magnetic resonance predictions. Am J Obstet Gynecol. 2004 Dec;191(6):2148-53.
18. Hassibi s, Farhataziz N, Zaretsky M, McIntire D, Twickler DM. The optimization of fetal weight estimates using MRI: comparison of acquisitions. AJR Am J Roentgenol. 2004 Aug;183(2):487-92.
19. Gainer J, Alexander J, Zaretsky MV, McIntire D, Twickler DM, Leveno K. The use of MRI and sonographic cervical length in the post-term pregnancy. Am J Obstet Gynecol. 2004 Dec. S177.

20. Boreham MK, Zaretsky MV, Corton MM, Alexander JM, McIntire DD, Twickler DM. Appearance of the levator ani muscle in pregnancy as assessed by 3-D MRI.
21. Zaretsky MV, Hickman MA, McIntire D. The impact on maternal fetal medicine practice procedures after implementation of non-invasive aneuploidy screening by circulating cell-free DNA analysis. Poster Session IV SMFM February 15, 2013 San Francisco, Ca
22. Tudela CM, Hernandez JS, Zaretsky M, Sheffield JS. Ultrasound and clinical predictors of pathologic invasion in patients undergoing an emergent peripartum hysterectomy. Poster Session II SMFM February 14, 2013
23. Behrendt N, Meyers M, Zaretsky MV, West N, Galan HL, Crombleholme TM. Ultrasound versus MRI: Is There a Difference in Fetal Brain Ventricle Measurements? Poster Session I SMFM New Orleans February 6, 2014
24. Behrendt N, Zaretsky MV, Galan H, Crombleholme T. TTTS outcomes in a population with a high proportion of donor twin intrauterine growth restriction. Oral Presentation. International Fetal Medicine and Surgical Society. Chatham, 2014.
25. Howley L, Behrendt N, Patel S, Jone Pei-Ni, Cuneo B, Zaretsky M, Galan H, Crombleholme TM. Novel evidence of hemodynamic changes in donor twins in TTTS: Prolonged atrioventricular valve inflow duration. Oral Presentation. International Fetal Medicine and Surgical Society. Chatham, 2014.
26. Zaretsky MV, Zuk J, Pan Z, Behrendt N, Crombleholme TM. Variable correlating with duration of pregnancy after selective fetoscopic laser photocoagulation. Oral Presentation. International Fetal Medicine and Surgical Society. Chatham, 2014.
27. Zaretsky MV, Zuk J, Crombleholme TM. MOMS-Plus Protocol. Oral Presentation. International Fetal Medicine and Surgical Society. Chatham, 2014.
28. Comparison of congenital pulmonary airway malformation volume ratios calculated by ultrasound and magnetic resonance imaging. Oral Presentation. International Fetal Medicine and Surgical Society. Chatham, 2014.
29. Behrendt N, Zaretsky MV, Galan H, Crombleholme TM. Fetal shunt placement using fetoscope guidance. Oral Presentation. International Fetal Medicine and Surgical Society. Chatham, 2014.
30. Cuneo B, Howley L, Zaretsky MV, Wood C, Crombleholme TM. Flow patterns in the fetal ductus arteries during MMC repair. Oral Presentation. International Fetal Medicine and Surgical Society. Chatham, 2014.

31. Marwan A, Behrendt N, Galan H, Zaretsky MV, Liechty K, Crombleholme TM. Amnioport for the treatment of renal agensis. Oral Presentation. International Fetal Medicine and Surgical Society. Chatham, 2014.
32. Behrendt N, Jessel R, Allshouse A, Zaretsky M, Galan H, Liechty K, Marwan A, Crombleholme T. The donor survivor score (dtss): a model to predict donor twin survival following laser photocoagulation for twin-to-twin transfusion syndrome complicated by placental insufficiency. Poster Session SMFM, San Diego CA Feb 2015.
33. Zaretsky MV, Liechty KW, Galan HL, Behrendt NJ, Reeves S, Marwan AI, Wilkinson C, Handler M, Lagueux M, Crombleholme TM. Modified hysterotomy closure technique for open fetal surgery. Poster Session SMFM, Atlanta Feb 2016.
34. Howley L, Patel SS, Zaretsky M, Weisenborn E, Crombelholme T. Systolic to diastolic time index in assessment of cardiac function in twin twin transfusion syndrome cardiomyopathy. Poster Session SMFM, Atlanta Feb 2016.
35. Chatterjee D, Wood CL, Howley LW, Polaner DM, Zuk J, Zaretsky MV, Palmer C, Crombleholme T. Use of intravenous anesthetic minimizes fetal cardiac dysfunction during prenatal myelomeningocle repair. Poster Session SMFM, Atlanta Feb 2016.
36. Ehrig J, Meyers M, Behrendt N, Howley L, Cuneo B, Mirsky D, Zaretsky M, Liechty K, Crombleholme T, Galan HL. Abnormal fetal vascular studies in twin twin transfusion syndrome and their association to abnormalities in fetal brain MRI. Poster Session SMFM, Atlanta Feb 2016.
37. Rodriguez CE, Galan HL, Behrendt N, Reeves S, Liechty KW, Marwan R, Handler M, Wilkinson C, Zuk J, Pan Z, Crombleholme T, Zaretsky MV. Number of uterine contractions following open fetal myelomeningocele repair. Poster Session SRI Montreal 2016.
38. Euser AG, Zaretsky MV, Handler M, Liechty K, Marwan R, Galan HL, Reeves S, Behrendt N, Wilkinson CC, Crombleholme T. Preoperative imaging to predict need for patch in fetal myelomeningocele repair. Poster Session SRI Montreal 2016.
39. Rodriguez CE, Galan HL, Behrendt N, Reeves S, Liechty KW, Marwan R, Handler M, Wilkinson C, Zuk J, Pan Z, Crombleholme T, Zaretsky MV. Factors associated with longer duration of pregnancy after open fetal myelomeningocele repair. Poster Session SRI Montreal 2016.
40. Rodriguez-Riesco L, Pan ,Zuk J, Galan, Zaretsky M. Rescue cerclage with or without prior amniocentesis. Poster Session SRI Orlando 2017
41. Rodel R, Zaretsky M, Galan H, Behrendt N, Liechty K, Patel S, Cuneo B. Left Ventricular Sphericity Index In Fetuses With Congenital Diaphragmatic Hernia. Poster Session SRI Orlando 2017

42. Zaretsky M, Devore GR, Gumina D, Pinter M, Hobbins J. Assessment of the Global Sphericity Index and Cardiac Area as indirect indicators of cardiac dysfunction in fetal growth restriction. Poster Session SRI Orlando 2017
43. Zaretsky M, Patel S, Howley L, Galan H, Behrendt N, Liechty K, Cuneo B. Biventricular diastolic but not diastolic dysfunction is impaired in fetal lower urinary tract obstruction. Poster session SMFM Las Vegas 2017
44. Ehrig J, Paulsen K, Suhong T, Meier MR, Lagueux M, 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 Session SMFM Dallas 2018.
45. Zaretsky MV, Devore GR, Gumina D, Driscoll B, Hobbins J. Fetal growth restriction cardiac dysfunction is independent of Doppler indices. Poster Session SMFM Dallas 2018.
46. McKinney JR, Euser AG, Meyers ML, Mirsky DM, Zaretsky MV. Prediction of myelomeningocele/myeloschisis size and repair type by preoperative imaging. Poster Session SMFM Dallas 2018.
47. Zaretsky MV, Behrendt NJ, Lagueux M, Pan Z, Marwan AI, Liechty KW, Galan HL. Best predictors of duration and gestational age at delivery after fetoscopic laser photocoagulation for twin-twin transfusion syndrome. Poster Session SMFM Dallas 2018.
48. Howley L, Patel SS, Zaretsky M, Weisenborn E, Crombleholme T, Cuneo B, Galan HL. Systolic to diastolic time index in assessment of cardiac function in twin twin transfusion syndrome cardiomyopathy. Poster Session SMFM Dallas 2018.
48. Zaretsky MV, Tong S, Lagueux M, Lim FY, Khalek N, Emery SP, Davis S, Moon-Grady AJ, Drennan K, Treadwell MC, Petersen E, Santiago-Munoz P, Brown R, for the North American Fetal Therapy Network. North American Fetal Therapy Network: Indications for delivery following laser ablation for twin-twin transfusion syndrome. Poster Session SMFM Dallas 2018.
49. Ehrig J, Behrendt N, Lagueux M, Liechty KW, Zaretsky MV, Crombleholme TM, Galan HL. Immediate Perioperative Predictors of Survival in TTTS. Oral Presentation SRI March 2018.
50. Goodnight WH, Bahtuyar O, Bennet KA, Emery S, Feltis BA, Fisher A, Goldstein R, Jatres J, Lim FY, McCullough L, Moehrlen U, Moldenhauer J, Grady A, Ruano R, Skupski DW, Thom E, Treadwell MC, Tsao K, Wagner AJ, Waqar LN, Zaretsky M. Subsequent pregnancy outcomes after open maternal-fetal surgery for fetal myelomeningocele closure. Opening Oral Presentation SMFM Las Vegas 2019.

51. Moldenhauer J, Bahtuyar O, Bennet KA, Emery S, Feltis BA, Fisher A, Goldstein R, Jatres J, Lim FY, McCullough L, Moehrlen U, Grady A, Goodnight WH, Ruano R, Skupski DW, Thom E, Treadwell MC, Tsao K, Wagner AJ, Waqar LN, Zaretsky M. Fetal myelomeningocele closure: outcomes from the fMMC consortium registry sponsored by NAFTA Net . Poster session SMFM Las Vegas 2019.

52. Papanna R, Moldenhauer J, Bahtuyar O, Bennet KA, Emery S, Feltis BA, Fisher A, Goldstein R, Jatres J, Lim FY, McCullough L, Moehrlen U, Grady A, Goodnight WH, Ruano R, Skupski DW, Thom E, Treadwell MC, Tsao K, Wagner AJ, Waqar LN, Zaretsky M. Use of tissue grafts for in-utero spina bifida closure of large skin defects. Poster session SMFM Las Vegas 2019.

53. Adkins K, Lageaux M, Levek C, Pickett K, Zaretsky MZ. Rates of echocardiographic findings in monozygotic twins with selective intrauterine growth restriction compared to twin-twin transfusion syndrome. Poster session SRI Paris 2019.

54. Adkins K, Lageaux M, Levek C, Pickett K, Zaretsky MZ. Rates of echocardiographic findings in monozygotic twins with fluid discordance compared to twin-twin transfusion syndrome. Poster session SRI Paris 2019.

55. Micke K, Reynolds R, Zaretsky MV. First known truncating BCOR mutation in a live-born male with Lenz microphthalmia/oculofaciocardiodental syndrome. Poster presentation ACMG Seattle 2019.

Chapters

1. Zaretsky, M. 2013. Fetal Therapy. Nezhat's Video Assisted and Robotic Assisted Laparoscopy and Hysteroscopy, 4th Edition. Cambridge University Press. 2013

2. Zaretsky, M 2013 Multiple and Higher Order Gestation. Inside healthcare-ICU care of the neonate. eBook. Mathew Oommen, MD.

CME Courses

1. Co-Director "Advances in Fetal Echo" Children's Medical Center of Dallas 2010 and 2012

2. Director "Controversies in OB/GYN" Children's Medical Center of Legacy 2009-2012

3. Hands on Ultrasound Course. Faculty. ACOG National Convention 2014-present

4. NAFTNet Fetal Therapy Course. SMFM 2016 and AIUM 2017
5. Fetology Conference 2016 and 2017. Vail, Colorado.
6. SMFM OB/GYN clinical debates post graduate course 2018
7. SMFM Twins post graduate course 2019

Presentations

1. "What to Expect When Expecting Multiples" 2004 Plano Mothers of Multiples
2. "Fetal MRI" 2004 Presbyterian Hospital of Plano OB/GYN grand rounds.
3. "Fetal Loss" 2005, 2006, 2008. Healing Matters Medical Center of Plano.
4. "Cerclage or Not to Cerclage" 2005 Presbyterian Hospital of Plano OB/GYN grand rounds.
5. "Progesterone Therapy for Preterm Labor: 2005 Association of Women's Health, Obstetric, and Neonatal Nurses (AWHONN).
6. "First Trimester Aneuploidy Screening" 2005 NTD labs
7. "Multiple Gestation" Lecture to rotating medical students 2006-present
8. "Alloimmunization" Lecture to rotating medical students 2007-present
9. "Fetal Anemia and Thrombocytopenia" Grand Rounds for Ultrasound in Obstetrics 08/10/2007
10. "Innovations in Antenatal Care" Baylor University Medical Center GME Reunion-2007
11. Osler Board Review 2006-2008
 - "Preterm Labor"
 - "Post-term Pregnancy"
 - "Pregnancy Loss"
 - "Postpartum Complications"
12. Osler Board Review private and public mock oral exams 2006-2008
13. Baylor University Medical Center GME Reunion 2007

14. Grand Rounds for Ultrasound in Obstetrics Twin-Twin Transfusion Syndrome UT Southwestern Medical Center Dept. OB/GYN 2008
15. Prenatal Diagnosis and Screening Association of Women's Health Obstetric and Neonatal Nurses 2009, 2010
16. Cerclage for a Short Cervix Controversies in OB/GYN Children's Legacy 2010
17. Antiphospholipid Antibody Syndrome Controversies in OB/GYN Children's Legacy 2010
18. Update on Twin-Twin Transfusion Syndrome. Advances in Fetal Echo Course Children's Medical Center 2010
19. Circulating Cell-Free DNA Non-invasive Aneuploidy Screening Controversies in OB/GYN Children's Legacy 2012
20. Fetal anemia: Diagnosis and Treatment. Advances in Fetal Echo Course. Dallas Museum of Art 2012
21. Non-Invasive Aneuploidy Screening. Southwestern Gynecologic Assembly. Dallas Westin Galleria 2012
22. Preventive Strategies for Preterm Birth. Butterfield Conference 2013 Laramie, Wyoming.
23. Aneuploidy Screening. Butterfield Conference 2013 Laramie, Wyoming.
24. Ultrasound in Multiple Gestation. Fetal Imaging and Perinatal Care Conference, UC Denver, 2014
25. Labor and Delivery Sonogram. ACOG Postgraduate Course Hands-On Ultrasound course, 2014 until present
26. Updates in OB/GYN What's New! What's Changed! Colorado Springs, 2014
27. Ultrasound Unknowns. MFM Fellow lectures 2013- present
28. CFCC Multidisciplinary Conference 2013- Present
29. International Fetal Medicine and Surgical Society Meeting Chatham, 9/2014
Five Oral Presentations
 1. MOMS-Plus
 2. Variables correlating with the duration of pregnancy after SFLP

3. Comparison of congenital pulmonary airway malformations volume ratios calculated by ultrasound and magnetic resonance imaging
 4. Fetal shunt placement using fetoscope guidance
 5. TTTS outcomes in a population with high proportion of donor twin growth restriction
30. Twin twin transfusion syndrome. SMFM North American Fetal Therapy Network Fetal therapy course. Atlanta 2016.
31. 37th Annual Perinatal Clinical Update 2016. Prenatal screening and diagnosis. Children's Hospital of Colorado.
32. Spina Bifida. Fetal Imaging and Perinatal Care Conference, UC Denver, 2016.
33. Inaugural Fetology Conference 2016, Vail Colorado.
"MOMS Plus protocol"
"Debate for expansion of inclusion criteria for prenatal myelomeningocele repair"
"Congenital diaphragmatic hernia delivery dilemmas"
34. Preterm delivery -NP Midwifery Program CU Denver 2015- present
35. Perinatal ethics rounds- 2016- present
36. Non-Invasive Fetal Therapy. Society of Pediatric Pathology, Dallas 2017
37. SMFM OB/GYN Clinical Debates: Selective Fetal Growth Restriction, the Case for Expectant Management, Dallas 2018
38. Selective Fetal Growth Restriction. The 39th Annual Perinatal Clinical Update Recent Advances and Current Controversies. Denver 2018.
39. Society of Pediatric Urology. Multidisciplinary clinical and research collaborations through the CFCC and NAFTNET. Atlanta 2018.

Non-peer reviewed scientific publications

1. Dallas Child "When Pregnancy and Cancer Collide" 2008
2. Parkland Fall Magazine 2009 "Innovative Care for Babies"
3. Parkland Spring Magazine 2009 "Babies' lives saved before they are born"
4. Children's Medical Center 2009 Annual Report "Answering the Toughest Question"

5. Children's Medical Center 2010 Annual Report "A Matter of Minutes"
6. "Your Child's Health" 2009 WFAA Channel 8 "Pregnancy later in life"
7. "Your Child's Health" 2009 WFAA Channel 8 "Preparing your body for pregnancy"
8. UTSW Newsroom 2011 "UT Southwestern specialists perform area's first fetal surgery to correct Twin-Twin Transfusion Syndrome"
9. Multiple media outlets nationally "Unborn Twins undergo surgery" 2011
10. The Great Candy Run. Colorado and Company Channel 9 News, Denver. Nov 2016
11. Meet our Docs: Children's Hospital of Colorado 2017
12. Congenital Diaphragmatic Hernia educational video. Colorado Fetal Care Center. 2018.