

CURRICULUM VITAE

Date of Revision: February 17, 2021

Name: Mert Ozan Bahtiyar, M.D.

Education:

M.D. Istanbul University Cerrahpasa Medical School 1994.

Career/Academic Appointments:

1994-95 Intern, General Surgery, Okmeydani Hospital, Istanbul, Turkey.

1995-97 Postdoctoral Fellow in Obstetrics and Gynecology, Yale University School of Medicine, New Haven, CT.

1997-98 Intern, Internal Medicine, Hospital of Saint Raphael, New Haven, CT.

1998-99 Intern, Obstetrics and Gynecology, Yale-New Haven Hospital, New Haven, CT.

1999-02 Resident, Obstetrics and Gynecology, Yale-New Haven Hospital, New Haven, CT.

2002-05 Instructor, Department of Obstetrics, Gynecology, and Reproductive Sciences, Yale University School of Medicine, New Haven, CT.

2002-05 Fellow, Maternal-Fetal Medicine, Department of Obstetrics, Gynecology, and Reproductive Sciences, Yale University School of Medicine, New Haven, CT.

2005-11 Assistant Professor, Department of Obstetrics, Gynecology, and Reproductive Sciences, Yale University School of Medicine, New Haven, CT.

2011-20 Associate Professor, Department of Obstetrics, Gynecology, and Reproductive Sciences, Yale University School of Medicine, New Haven, CT.

2012-20 Clinical Associate Professor, Yale School of Nursing, New Haven, CT

2020-present Professor, Department of Obstetrics, Gynecology, and Reproductive Sciences, Yale University School of Medicine, New Haven, CT.

Administrative Positions:

2009-present Director, Fetal Care Center, Yale University School of Medicine and Yale New Haven Hospital, New Haven, CT.

Board Certification:

American Board of Obstetrics and Gynecology, Obstetrics and Gynecology, 2006.
American Board of Obstetrics and Gynecology, Maternal-Fetal Medicine, 2008.

Professional Honors & Recognition

International/National/Regional

- 2011: APGO National Faculty Award, (Resident Teaching Award).
- 2008: CREOG National Faculty Award (Resident Teaching Award).
- 2007: NIH Perinatal Research Society, Young Investigator Award.
- 2006: Winner, March of Dimes Prematurity Research Award. Buhimschi C, Hamar BD, **Bahtiyar MO**, Zhao G, Sfakianaki A, Pettker C, Magloire L, Norwitz ER, Funai EF, Paidas MJ, Weiner CJ, Copel JC, Lockwood CJ, Buhimschi I. Detection of intraamniotic inflammation / infection by proteomic profiling. Oral Presentation, Society For Maternal-Fetal Medicine 2006, Am J Obstet Gynecol 2005 193, S14.
- 2002: The Society of Laparoendoscopic Surgeons Resident Achievement Award.
- 2002: The American Association of Gynecologic Laparoscopist Special Excellence in Endoscopic Procedures Award.
- 2002: The Irving Friedman, M.D. Award, to the Resident Physician in Obstetrics and Gynecology who, by demonstrated character and competence, offers most promise of one day earning the level in which Dr. Friedman was held by students, patients, and colleagues.
- 2002: The John J. Meehan-Clifford R. Miller Award, to the graduating resident who most exemplifies the scholarly attributes of obstetrics and gynecology.

University

- 2020: Nominee, Leonard Tow Humanism in Medicine Award, Yale School of Medicine
- 2019: Fellow, Ezra Stiles College, Yale University.
- 2017: Yale Medicine: Advanced Emerging Leaders Program, School of Management, Yale University.
- 2016: Yale Medicine: Emerging Leaders Program, School of Management, Yale University.
- 2011: Medical Education Fellowship, Yale School of Medicine.

Grant/Clinical Trials History:

Submitted Grants

Agency: NIH
Application ID: 19-004261
Title: Intra-Operative Placenta Imaging for Fetal Twin-to-Twin Transfusion Syndrome
Co-P.I.: Mert Ozan Bahtiyar, MD
Percent Effort: 10%
Total cost for the project period: \$2,084,300
Project Period: 5 years

Current Grants

Agency: McKern Foundation
ID: not applicable
Title: "In utero Myelomeningocele Repair"
P.I.: Mert Ozan Bahtiyar, MD
Percent Effort: 10%
Total cost for the project period: \$200,000
Project Period: 9/2018-9/2020

Current Clinical Trials

Title: International Twin Anemia Polycythemia Sequence Randomized Controlled Trial.
Local P.I.: Mert Ozan Bahtiyar, MD
Role on Project: P.I.
Percent Effort: 5%
Project Period: 2020-2025

Title: Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) Maternal-Fetal Medicine Units (MFMU) Network: A Randomized Trial of Pessary and Progesterone for Preterm Prevention in Twin Gestation with a Short Cervix (PROSPECT)
Local P.I.: Christian Pettker, MD
Role on Project: Investigator
Percent Effort: 5%
Project Period: 2019-2023

Title: Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) Maternal-Fetal Medicine Units (MFMU) Network: A Randomized Trial of Pessary in Singleton Pregnancies with a Short Cervix (TOPS)
Local PI: Christian Pettker, MD
Role on Project: Investigator
Percent Effort: 5%
Project Period: 2019-2023

Past Grants

Agency: American Institute of Ultrasound in Medicine, Endowment for Education & Research grant
ID: not applicable
Title: "Fetal cardiac response to intramniotic infection"
P.I.: Mert Ozan Bahtiyar, MD
Percentage Effort: 5%
Direct costs per year: \$10,000
Total costs for project period: \$10,000
Project Period: 03/01/2010-02/28/2011

Agency: Yale University School of Medicine, Dept. OB/GYN, Resident Research Award
ID: not applicable
Title: "Proteomics in preeclampsia"
P.I.: Mert Ozan Bahtiyar, MD
Percentage Effort: 5%
Total costs for project period: \$2,500
Project Period: 7/2001-6/2002

Agency: Yale University School of Medicine, Dept. OB/GYN, Resident Research Award
ID: not applicable
Title: "Proteomics in fetal aneuploidies"
P.I.: Mert Ozan Bahtiyar, MD
Percentage Effort: 5%
Total costs for project period: \$2,500
Project Period: 7/2001-6/2002

Past Clinical Trials

Title: Effect of N-acetylcysteine in preventing adverse neonatal outcomes in women with intra-amniotic infection/inflammation: a double-blind randomized control trial.

P.I.: Catalin Buhimschi, MD
Role on Project: Investigator
Percent effort: 5%
Project period: 2012-2018

Invited Speaking Engagements, Presentations, Symposia & Workshops Not Affiliated With Yale:

International/National

- 2021 Prenatal care during COVID19. Grand Rounds. Department of Obstetrics and Gynecology, Gazi University, Ankara, Turkey. January 22, 2021
- 2020 COVID-19 Pandemic: What did we learn? How will be the prenatal care after the pandemic? Turkish Gynecology and Obstetrics Society. Webinar. April 30, 2020
- 2019 Monochorionic Twin Gestation. Best of the Big Apple OB-GYN Ultrasound. Grand Hyatt New York City, NY. November 16, 2019
- 2018: Fetal Echocardiography. 11th National Congress of Maternal Fetal Medicine and Perinatology Society of Turkey, Istanbul Turkey, October 31-November2, 2018
- 2018: Complications of Monochorionic Twin Gestations. 11th National Congress of Maternal Fetal Medicine and Perinatology Society of Turkey, Istanbul Turkey, October 31-November 2, 2018
- 2018: How to Establish Fetal Care Center. 11th National Congress of Maternal Fetal Medicine and Perinatology Society of Turkey, Istanbul Turkey, October 31-November 2, 2018
- 2016: Complications of Monochorionic Twin Gestations. OB/GYN Grand Rounds. UMASS Medical Center, Worcester, MA
- 2015: Doppler Assessment in IUGR. Ultrasound Scientific Forum, SMFM Meeting, February 2015, San Diego, CA.
- 2011: Uterine artery Doppler assessment. AIUM Annual Meeting 2011, New York, NY.
- 2010: Genetic ultrasound. Invited Guest Speaker. 6th Annual Madonna Perinatal Symposium on Perinatal Practice-Genetics, October 20, Mineola, NY.
- 2009: Fetal Echocardiography Course, 29th Annual Meeting of the Society for Maternal-Fetal Medicine, January 26-31, San Diego, CA.
- 2009: Twin-twin transfusion syndrome, Grand Round Lecture, Long Island Collage Hospital, Brooklyn, NY.
- 2009: Twin-twin transfusion syndrome. Invited Lecturer. 6th Caribe Gyn Meeting, August 7-9, Ponce, Puerto Rico.
- 2009: Intrauterine growth restriction: diagnosis and management. Invited Lecturer. 6th Caribe Gyn Meeting, August 7-9, Ponce, Puerto Rico.
- 2008: Fetal Echocardiography Course, 28th Annual Meeting of the Society for Maternal-Fetal Medicine, January 28-February 2, Dallas, TX.
- 2008: Fetal Echocardiography Course, AIUM Annual Meeting 2008, San Diego, CA.
- 2008: Twin-twin transfusion syndrome. Invited Lecturer. Madonna Perinatology Associates Annual Ultrasound Course, October 22, Mineola, NY.

- 2008: Doppler ultrasound in intrauterine growth restriction. Invited Lecturer. Madonna Perinatology Associates Annual Ultrasound Course, October 22, Mineola, NY.
- 2008: 17th Annual Ob/Gyn Ultrasound Update for Clinical Practice, December 11-14, Fort Lauderdale, FL.

Regional

- 2020 Intra Uterine Growth Restriction. 23rd Annual Obstetrics and Gynecology Ultrasound Symposium, Portland, CT. March 14, 2020.
- 2019 Maternal Mortality. Frank H. Netter School of Medicine at Quinnipiac University, North Haven, CT. May 14, 2019
- 2019 Complications of Monochorionic Twin Gestations. 22nd Annual Obstetrics and Gynecology Ultrasound Symposium, Portland, CT. March 9, 2019
- 2019 Complications of Monochorionic Twin Gestations Baystate Medical Center Obstetrics and Gynecology Grand rounds, Springfield MA. February 28, 2019
- 2017 Fetal Care at Yale. 2017 Perinatal Nursing Conference, Yale New Haven Health, November 7, 2017, West Haven, CT
- 2016: Status of Fetal Care at Yale. OB/GYN Grand Rounds, Yale University School of Medicine, New Haven, CT
- 2014: Complications of Monochorionic Twin Gestations and Treatment Options. Grand Round, Danbury Hospital, Danbury, CT.
- 2014: Complications of Monochorionic Twin Gestations. New Haven Obstetrical Society.
- 2015: Fetal Care in Connecticut: Yale Fetal Care Center. Greenwich Hospital, Greenwich, CT.
- 2015: Diagnosis and Management of Complications in Monochorionic Twin Pregnancies. Grand Round, University of Connecticut Health Center, Farmington, CT.
- 2011: Twin-twin transfusion syndrome. Pediatric Surgery Grand Rounds. Yale University School of Medicine, New Haven, CT.
- 2010: Fetal echocardiogram. Lawrence and Memorial Hospital Radiology Seminars. New London, CT.
- 2010: Twin-twin transfusion syndrome, Grand Round Lecture, Norwalk Hospital, Norwalk, CT.
- 2007: Introduction to Fetal Echocardiography, Grand Round, Lawrence & Memorial Hospital, New London, CT.
- 2006: Non-immune Hydrops, Grand Round, Danbury Hospital, CT.

2005: Selective Laser Photocoagulation in Twin-Twin Transfusion Syndrome, Grand Round, Danbury Hospital, Danbury, CT.

Peer-Reviewed Presentations & Symposia Given at Meetings Not Affiliated With Yale:

International/National

2020 ACC 20 and World Congress of Cardiology Virtual. Reconsidering American Heart Association recommendations to perform fetal echocardiogram for all in-vitro fertilization pregnancies: is there a low risk group?

2019 38th Annual Meeting, International Fetal Medicine and Surgery Society, Sils, Switzerland – Management and outcomes in 379 cases with spontaneous and post-laser twin anemia polycythemia sequence managed in 17 different fetal therapy centers.

2019 48th Global Congress on Minimally Invasive Gynecologic Surgery, Vancouver, B.C., Canada - Minimally invasive abdominal cerclage compared to laparotomy: an updated comparison of surgical and obstetric outcomes.

2019 75th American Society for Reproductive Medicine Scientific Congress, Philadelphia, PA. – Prevalence of clinically significant congenital heart defects in low-risk IVF pregnancies.

2019 29th World Congress on Ultrasound in Obstetrics and Gynecology, Berlin, Germany. – In vitro fertilization and monochorionic pregnancies: the Yale experience.

2019 66th Annual Scientific Meeting, Society for Reproductive Investigation, Paris France. Poster Session - Higher Incidence of Abnormal Cord Insertion, Placenta Previa, and Low-Lying Placenta in IVF Pregnancies.

2019 39th Annual Meeting of Society for Maternal-Fetal Medicine, Las Vegas, NV. Plenary Session Subsequent pregnancy outcomes after open maternal-fetal surgery for fetal myelomeningocele closure.

2019 39th Annual Meeting of Society for Maternal-Fetal Medicine, Las Vegas, NV. Poster Session - Fetal myelomeningocele closure: outcomes from the fMMC consortium registry sponsored by NAFTNet.

2019 39th Annual Meeting of Society for Maternal-Fetal Medicine, Las Vegas, NV. Poster Session - Use of tissue grafts for in-utero spina bifida closure of large skin defects.

2019 39th Annual Meeting of Society for Maternal-Fetal Medicine, Las Vegas, NV. Oral Concurrent Session - Randomized controlled trial of n-acetylcysteine to prevent adverse neonatal outcome in pregnancies with intra-amniotic infection/inflammation.

2017 27th World Congress on Ultrasound in Obstetrics and Gynecology, Vienna, Austria. Poster Session - *In utero* partial exchange transfusion (iPET) combined with *in utero* blood transfusion (IT) for treatment of twin anemia polycythemia sequence.

- 2017 Society for Maternal-Fetal Medicine Pregnancy Meeting, North American Fetal Therapy Network: selective reduction in complicated monochorionic twins, Las Vegas, NV, poster presentation
- 2017 American College of Obstetricians and Gynecologists Annual Clinical and Scientific Meeting. Cesarean Scar Pregnancy: A Three-Year Experience at Yale-New Haven Hospital, San Diego, CA, May 6-9, 2017, poster presentation
- 2015 Annual Convention, American Institute of Ultrasound in Medicine, Lake Buena Vista, FL. Oral Concurrent Session - Fetal Cardiac Function in Pregnancies Complicated by Preterm Birth.
- 2015 35th Annual Meeting of the Society for Maternal-Fetal Medicine, San Diego, CA. Poster Session - Neonates exposed to inflammation in-utero carry a spectrum of potent inflammatory and oxidant circulating molecules, that can be potentially reversed by N-acetylcysteine (NAC) and ethylpyruvate (EP).
- 2015 35th Annual Meeting of the Society for Maternal-Fetal Medicine, San Diego, CA. Poster Session - Evidence for the participation of neutrophil gelatinase-associated lipocalin (NGAL)/matrix metalloproteinase-9 (MMP-9) complex in the amniotic fluid inflammatory response to infection.
- 2013 33rd Annual Meeting of the Society for Maternal-Fetal Medicine, San Francisco, CA. Poster Session - Evaluation of “unquantifiable” urine protein species in preeclampsia (PE).
- 2013 33rd Annual Meeting of the Society for Maternal-Fetal Medicine, San Francisco, CA. Poster Session - Limiting exposure of a select group of fetuses to intra-amniotic infection (IAI) may improve short-term neonatal outcome in pregnancies complicated by PPRM.
- 2013 33rd Annual Meeting of the Society for Maternal-Fetal Medicine, San Francisco, CA. Poster Session - Mixed bacteria generate a differential intra-amniotic inflammatory response compared to infections with a single microbial species.
- 2013 33rd Annual Meeting of the Society for Maternal-Fetal Medicine, San Francisco, CA. Poster Session - Decreased expression of endostatin (ES) and hypoxia-inducible factor 1 α (HIF-1 α) is associated with excessive trophoblast invasion and aberrant angiogenesis in placenta accrete.
- 2012 32nd Annual Meeting of the Society for Maternal-Fetal Medicine, Dallas, TX. Poster Session - Evidence for defective regulated intramembrane proteolysis of the receptor for advanced glycation end products (RAGE) in fetuses with intra-uterine growth restriction (IUGR).
- 2012 32nd Annual Meeting of the Society for Maternal-Fetal Medicine, Dallas, TX. Oral Concurrent Session - Fetuin-mediated aggregation of amniotic fluid proteins into calcifying nanoparticles (CNP) and preterm premature rupture of membranes (PPROM).
- 2012 32nd Annual Meeting of the Society for Maternal-Fetal Medicine, Dallas, TX. Oral Concurrent Session - Evidence for the presence of super-interleukin-6 (superIL-6) trans-signaling complex in amniotic fluid (AF) and its participation in the intraamniotic inflammatory response to infection.

- 2012 32nd Annual Meeting of the Society for Maternal-Fetal Medicine, Dallas, TX. Oral Concurrent Session - Amniotic fluid (AF) soluble myeloid differentiation (MD)-2 factor as regulator of intraamniotic inflammation in infection-induced preterm birth.
- 2012 32nd Annual Meeting of the Society for Maternal-Fetal Medicine, Dallas, TX. Oral Concurrent Session - A cost effective analysis of prenatal surgery for myelomeningocele.
- 2011 31st Annual Meeting of the Society for Maternal-Fetal Medicine, San Francisco, CA. Poster Session - Sonographic evaluation of myometrial thickness for prediction of a successful External Cephalic Version (ECV).
- 2011 31st Annual Meeting of the Society for Maternal-Fetal Medicine, San Francisco, CA. Poster Session - Impact of acute and chronic inflammatory events on the matrix metalloproteinase-9 (MMP-9) and tissue inhibitor of MMP (TIMP-1) homeostasis in preterm infants with adverse neonatal outcomes.
- 2011 31st Annual Meeting of the Society for Maternal-Fetal Medicine, San Francisco, CA. Oral Concurrent Session - Evidence for involvement of the receptor for advanced glycation end products (RAGE) axis in pathogenesis of fetal intra-uterine growth restriction (IUGR).
- 2011 31st Annual Meeting of the Society for Maternal-Fetal Medicine, San Francisco, CA. Poster Session - Systematic evaluation of prototype acute phase reactants [Interleukin-6 (IL-6), C-reactive protein (CRP) and procalcitonin (PCT)] as non-invasive biomarkers of intra-amniotic infection (IAI).
- 2010 30th Annual Meeting of Society for Maternal-Fetal Medicine, Chicago, IL. Poster Session - Interleukin-18 (IL-18): a novel urinary biomarker for the diagnosis of preeclampsia.
- 2010 30th Annual Meeting of Society for Maternal-Fetal Medicine, Chicago, IL. Poster Session - Neutrophil gelatinase-associated lipocalin (NGAL) is a novel urinary biomarker for severe preeclampsia.
- 2010 30th Annual Meeting of Society for Maternal-Fetal Medicine, Chicago, IL. Poster Session - Prenatal assessment of the fetal thymus: utility of 2D and 3D ultrasound in healthy fetuses.
- 2010 30th Annual Meeting of Society for Maternal-Fetal Medicine, Chicago, IL. Poster Session - Significance of early haptoglobin (HP) switching-on, levels and phenotypes in preterm newborns with early onset neonatal sepsis (EONS).
- 2010 30th Annual Meeting of Society for Maternal-Fetal Medicine, Chicago, IL. Poster Session - Interleukin-6 trans-signaling molecules soluble GP130 and soluble IL-6 receptor in the amniotic fluid (AF) of women with intra-amniotic inflammation (IAI) and preterm premature rupture of membranes (PPROM).
- 2009 29th Annual Meeting of Society for Maternal-Fetal Medicine, San Diego, CA. Poster Session - Circulating levels of angiogenic factors in women with complete placenta previa.

- 2009 29th Annual Meeting of Society for Maternal-Fetal Medicine, San Diego, CA. Poster Session - Amniotic fluid (AF) soluble toll-like receptor (TLR)-2 has functional ability to modulate the intensity of an intra-amniotic innate inflammatory response elicited by gram positive bacteria.
- 2009 29th Annual Meeting of Society for Maternal-Fetal Medicine, San Diego, CA. Poster Session - The immediate postnatal period is characterized by an increased sensitivity of the neonate to E. coli endotoxin.
- 2009 29th Annual Meeting of Society for Maternal-Fetal Medicine, San Diego, CA. Poster Session - Management of twin pregnancies at term: What is the optimal gestational age at which all twin pregnancies should be delivered?
- 2009 29th Annual Meeting of Society for Maternal-Fetal Medicine, San Diego, CA. Poster Session - The role of urinary endoglin in diagnosing severe preeclampsia: A prospective comparison with soluble fms-like tyrosine kinase (sFlt-1) to placental growth factor (PlGF) ratio.
- 2009 29th Annual Meeting of Society for Maternal-Fetal Medicine, San Diego, CA. Poster Session - Prenatal diagnosis of congenital heart defects and 22q11 microdeletion.
- 2008 18TH World Congress on Ultrasound in Obstetrics and Gynecology, Chicago, IL. Poster Session - Fetuses with congenital heart defect have similar growth patterns.
- 2008 28th Annual Meeting of Society for Maternal-Fetal Medicine, Dallas, TX. Poster Session - The human fetus maintains normal renal artery blood flow regardless of inflammation.
- 2008 28th Annual Meeting of Society for Maternal-Fetal Medicine, Dallas, TX. Oral Concurrent Session - Chronic nitric oxide inhibition in a rat model of preeclampsia (PE) leads to urinary proteomic biomarker signatures similar to humans.
- 2008 28th Annual Meeting of Society for Maternal-Fetal Medicine, Dallas, TX. Oral Concurrent Session - Nucleated red blood cells (NRBC) are a direct response to mediators of inflammation in newborns with early onset neonatal sepsis (EONS).
- 2008 28th Annual Meeting of Society for Maternal-Fetal Medicine, Dallas, TX. Poster Session - Ultrasonographic evaluation of cervical length (CL) and myometrial thickness (MT) as predictors of latency interval in PPRM.
- 2008 28th Annual Meeting of Society for Maternal-Fetal Medicine, Dallas, TX. Poster Session - Fractional excretion of tumor necrosis factor-alpha (TNF) in women with severe preeclampsia.
- 2008 28th Annual Meeting of Society for Maternal-Fetal Medicine, Dallas, TX. Poster Session - Postpartum intraabdominal pressure: What is normal?
- 2008 28th Annual Meeting of Society for Maternal-Fetal Medicine, Dallas, TX. Poster Session - Relationships of maternal serum levels of vascular endothelial growth factor (VEGF) and tensile properties of the cervix in a rat model of chronic hypoxia.

- 2008 28th Annual Meeting of Society for Maternal-Fetal Medicine, Dallas, TX. Poster Session - Intra-amniotic inflammation (IAI) is associated with a low fetal plasma cortisol/dehydroepiandrosterone sulfate ratio (fetal stress index).
- 2008 28th Annual Meeting of Society for Maternal-Fetal Medicine, Dallas, TX. Poster Session - Maternal carriage of the K121Q single nucleotide polymorphism (SNP) in the ENPP1 (PC-1) gene is associated with preeclampsia in a Hispanic population.
- 2008 28th Annual Meeting of Society for Maternal-Fetal Medicine, Dallas, TX. Poster Session - Effect of in vitro fertilization (IVF) on prevalence of congenital heart disease in the united states: A single institution experience.
- 2008 28th Annual Meeting of Society for Maternal-Fetal Medicine, Dallas, TX. Poster Session - Maternal carriage of the K121Q single nucleotide polymorphism (SNP) in the ENPP1 (PC-1) gene is associated with preterm birth and diminished birthweight in a Hispanic population.
- 2008 28th Annual Meeting of Society for Maternal-Fetal Medicine, Dallas, TX. Poster Session - Early onset neonatal sepsis (EONS): Accompanied by an increased interleukin-6 (IL-6) cytokine index, linked to histological chorioamnionitis.
- 2007 17th World Congress on Ultrasound in Obstetrics and Gynecology, Florence, Italy. Oral Concurrent Session - The clinical significance of isolated muscular ventricular septal defect (VSD).
- 2007 27th Annual Meeting of the Society for Maternal-Fetal Medicine, San Francisco, CA. Poster Session - Lactate dehydrogenase (LDH) isoform activity in the vaginal “pool”-a marker of intra-amniotic infection in women with preterm premature rupture of membranes.
- 2007 27th Annual Meeting of the Society for Maternal-Fetal Medicine, San Francisco, CA. Poster Session - Advanced maternal age (AMA) is an independent predictor of intrauterine fetal death at term.
- 2007 27th Annual Meeting of the Society for Maternal-Fetal Medicine, San Francisco, CA. Poster Session - Intra-amniotic inflammation activates the fetal hypothalamic-pituitary adrenal axis in utero as identified by 3D ultrasound assessment of fetal adrenal gland volume.
- 2007 27th Annual Meeting of the Society for Maternal-Fetal Medicine, San Francisco, CA. Poster Session - Fetal heart rate monitoring patterns (FHR-MP) to predict early-onset neonatal sepsis in utero in pregnancies complicated by intra-amniotic infection/inflammation.
- 2006 16th World Congress on Ultrasound in Obstetrics and Gynecology, London, UK. Oral Concurrent Session - Estimating fetal hematocrit by middle cerebral artery peak systolic flow velocity.
- 2006 26th Annual Meeting of the Society for Maternal-Fetal Medicine. Miami Beach, FL. Poster Session - Evidence for participation of rage (receptor for advanced glycation end products), soluble rage (sRAGE) and S100A12 proteins, in control of the inflammatory response of amniotic cavity during pregnancy.

2006 26th Annual Meeting of the Society for Maternal-Fetal Medicine. Miami Beach, FL. Poster Session - A low vaginal "POOL" amniotic fluid (AF) glucose measurement is a predictive but not a sensitive marker for infection in women with PPROM.

2006 26th Annual Meeting of the Society for Maternal-Fetal Medicine. Miami Beach, FL. Poster Session -Detection Of Intraamniotic Inflammation/infection By Proteomic Profiling. Prospective Comparison With Rapid Diagnostic Tests (glucose, WBC, LDH, Gram Stain), IL-6 And MMP-8.

2005 25th Annual Meeting of Society for Maternal-Fetal Medicine, Reno, NV. Poster Session - Proteomic analysis of cervico-vaginal secretions during pregnancy.

2005 25th Annual Meeting of Society for Maternal-Fetal Medicine, Reno, NV. Oral Concurrent Session - A prior cesarean delivery is not associated with an increased risk of antepartum stillbirth in a subsequent pregnancy: Analysis of US perinatal mortality data, 1995-1997.

2005 25th Annual Meeting of Society for Maternal-Fetal Medicine, Reno, NV. Poster Session - Proteomic technology for the rapid and accurate diagnosis of intra-amniotic inflammation (IAI) in twin gestation.

2003 51st Annual Clinical Meeting of American College of Obstetricians and Gynecologists. April 28, 2003, New Orleans, LA Poster Session - Serum proteomics distinguishes preeclamptic women from normal women.

2003 23rd Annual Meeting of Society for Maternal-Fetal Medicine, San Francisco, CA. Poster Session - Amniotic Fluid Proteomic Analysis Identifies Fetal Gender And Down Syndrome: A New, Rapid Technique For Prenatal Diagnosis.

2001 57th Annual Meeting of the American Society for Reproductive Medicine, Orlando, FL. Poster Session - Estradiol fails to down-regulate monocyte chemotactic protein-1 (MCP-1) expression in endometrial cells of women with endometriosis.

1998 45th Annual Meeting of Society for Gynecologic Investigation, Atlanta, GA. Poster Session - Regulation of monocyte chemotactic protein-1 expression in human endometrial stromal cells.

1998 45th Annual Meeting of Society for Gynecologic Investigation, Atlanta, GA. Poster Session - Aminopeptidase N Activity in the Human Endometrium.

1998 45th Annual Meeting of Society for Gynecologic Investigation, Atlanta, GA. Poster Session - Aminopeptidase N Activity in the Human Endometrium.

1998 45th Annual Meeting of Society for Gynecologic Investigation, Atlanta, GA. Poster Session - Aminopeptidase N in the Human Corpus Luteum.

1998 45th Annual Meeting of Society for Gynecologic Investigation, Atlanta, GA. Poster Session - Regulation of monocyte chemotactic protein-1 expression in human endometrial stromal cells.

1997 44th American Society for Reproductive Medicine Annual Meeting, San Diego, CA.
Poster Session - Monocyte chemoattractant protein-1 expression in human corpus luteum.

Regional

2008: Yale Obstetrics and Gynecology CME Course, June 13-14, Mohegan Sun, CT.

Professional Service

Peer Review Groups/Grant Study Sections:

2020 Research and Industrial Research Council, University of Leuven, Belgium
2018 Israel Science Foundation
2018 The Research Foundation - Flanders, Belgium
2017 Ontario Research Fund, Ontario Ministry of Research, Canada
2017-present Qatar National Research Fund, Qatar

Journal Service:

Senior Editorial Board

2005-present American Journal of Clinical and Experimental Obstetrics and Gynecology

Reviewer

2002-present Reviewer for
Obstetrics and Gynecology
American Journal of Obstetrics and Gynecology
British Journal of Obstetrics and Gynecology
European Journal of Obstetrics and Gynecology
Journal of Ultrasound in Medicine
Ultrasound in Obstetrics and Gynecology
American Journal of Medical Genetics
Fetal Diagnosis and Therapy
Perinatal Diagnosis
American Journal of Perinatology
Reproductive Sciences
Ultrasound in Medicine and Biology
The Journal of Obstetrics and Gynaecology Research
Obstetrics and Gynecology International
Archives of Gynecology and Obstetrics
Yonsei Medical Journal
Tohoku Journal of Experimental Medicine
Expert Review of Proteomics
Proteome Science
Journal of Maternal-Fetal & Neonatal Medicine
Infectious Diseases in Obstetrics and Gynecology

Professional Service for Professional Organizations:

2020-present	Chair, Steering Committee, North American Fetal Therapy Network
2018-present	Executive Board Member, North American Fetal Therapy Network
2010-present	Chair, Membership Committee, North American Fetal Therapy Network
2009-2010	Member, Literature Alert Committee, Society for Maternal Fetal Medicine
2008-2012	Member, Clinical Standard Committee, American Institute of Ultrasound in Medicine
2007-present	Member, Society for Gynecologic Investigation
2006-present	Member, North American Fetal Therapy Network, Steering Committee
2005-2009	Member, Human Investigation Committee, Yale School of Medicine
2005-present	Member, International Society of Ultrasound in Obstetrics & Gynecology
2002-present	Member, American Institute of Ultrasound in Medicine
2002-present	Member, Society for Maternal-Fetal Medicine
1998-present	Member, American College of Obstetricians and Gynecologists

Meeting Planning/Participation

2005-present	North American Fetal Therapy Network, biannual steering committee meeting, Chicago, IL
2019	Abstract reviewer, 7 th Annual State of CT OBGYN Resident Research Day, Danbury Hospital, 24 Hospital Avenue, Danbury CT 06810
2018	Judge, 6 th Annual Ob/Gyn Resident Research Day, Yale West Campus, Orange, CT
2017	Judge, 5 th Annual Ob/Gyn Resident Research Day, UCONN Health Center, Farmington, CT
2008	Abstract reviewer, International Society of Ultrasound in Obstetrics and Gynecology Annual Meeting
2008	Abstract reviewer, Society of Maternal Fetal Medicine Annual Meeting

Yale University Service:

University Committees

2005-2009	Human Investigations Committee - Member
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Medical School Committees

2016-present	Medical School Admissions Committee - Member
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Departmental Committees

2018-present	Fellowship Clinical Competency Committee - Chair
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Hospital Boards & Committees

2018 – present	Fetal Care Center Steering Committee – Member
2018 – present	Women’s Executive Steering Committee – Member
2019 – present	Fetal Care Center Cardiology Working Group – Member

Public Service:

- 2020 COVID19 and pregnancy. Expert Guest, Tele1, Turkish National Television
- 2020 Calvin Hill Day Care Center COVID19 Advisory Board
- 2019 Fetal Care, by Yale Medicine published on YouTube on May 8th.
<https://youtu.be/18hor--HgLg>
- 2019 Twin-to-Twin Transfusion Syndrome. Yale Medicine.
<https://www.yalemedicine.org/conditions/twin-to-twin-transfusion-syndrome/>
- 2019 Can 3D Printing Improve Medical Care? Yale Medicine.
<https://www.yalemedicine.org/stories/3d-printing-in-medicine/>
- 2008-present Organizer, Annual voluntary meetings to educate underprivileged Turkish families about U.S. health and education systems, New Haven, CT
- 2008 Lead editor, MedPedia online medical encyclopedia. Twin-twin transfusion syndrome
- 2008 Featured Expert, The effect of in-vitro fertilization on the prevalence of congenital heart disease in the United States. Podcast
- 2007 Featured Expert, Intrauterine Fetal Death Risk in Advanced Maternal Age Pregnancies, CTV, Canadian National TV
- 2006-2015 Advisor, Department of Obstetrics and Gynecology, Milford Hospital, Milford, CT
- 2002 Featured Expert, Maternity Ward, The Learning Channel (TLC)

Bibliography:

Peer-Reviewed Original Research

1. Oral E. Seli E. **Bahtiyar MO**. Olive DL. Arici A. Growth-regulated alpha expression in the peritoneal environment with endometriosis. *Obstet Gynecol* 1996;88(6):1050-6.
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Chapters, Books, and Reviews

Chapters

71. **Chapter 13.** Prenatal Ultrasound of the Fetal Abdomen. Lecture series for the Ob/Gyn Residents. Sponsored by American College of Obstetricians and Gynecologist (ACOG), Council on Residency Education in OBGYN (CREOG), and American Institute of Ultrasound in Medicine (AIUM). This project was designed to provide residency program directors with a set of easy to implement lectures for resident education in ObGyn ultrasound.
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Books

79. Good Housekeeping Illustrated Book of Pregnancy and Baby Care. 2003. Guest Editor.
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Reviews

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Invited Editorials and Commentaries

87. Copel JA, **Bahtiyar MO**. A practical approach to fetal growth restriction. *Obstet Gynecol*. 2014 May;123(5):1057-1069.
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Practice Guidelines, Standards and Consensus Statements

89. AIUM practice guideline for the performance of neurosonography in neonates and infants. *J Ultrasound Med* 2010; 29:151-156.
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Case Reports, Technical Notes, Letters

101. Miranda JJ, Shahabi S, Salih S, **Bahtiyar MO**. Vulvar syringoma, report of a case and review of the literature. *Yale J Biol Med* 2002; 75(4): 207-10.
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