

Ali Alhousseini, MD, PhD
 Medical Director
 Fetal Imaging
 Beaumont Hospital, Dearborn
 Oakland University William Beaumont School of Medicine
 Ali.alhousseini@Corewellhealth.org
 (832) 715-4824

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
Wayne State University School of Medicine	Ph.D.	10/2019	Physiology-Reproductive Sciences
NIH/NICHD/Perinatology Research Branch/Wayne State University	MFM fellowship	06/2018	Maternal Fetal Medicine
Medical College of Georgia	ObGyn Residency	06/2009	Obstetrics and Gynecology
American University of Beirut	MD	06/2003	Doctor of Medicine
American University of Beirut	B.Sc.	06/1999	Chemistry
Wake Forest University	N/A	06/2005	Two-year Research Fellowship

Positions and Employments

11/2022- current Associate Editor, *Fetal Diagnosis and Therapy*
 08/2019- current Associate Editor, *Gynecologic and Obstetric Investigation*
 01/2023- current Medical Director, Fetal Imaging, Corewell Health East, Dearborn, MI
 04/2021- 01/2023 Medical Director, Obstetrics and Maternal Fetal Medicine, Sparrow Health System, Lansing, MI
 07/2018- current Faculty, Maternal Fetal Medicine, Oakland University William Beaumont School of Medicine, Royal Oak, MI
 04/2021- current Faculty, Michigan State University College of Human Medicine, Lansing, MI
 07/2015- 06/2018 MFM fellowship, Perinatal research Branch NIH and Wayne State University, Detroit, MI- Expected Graduation Date: 6/30/2018

01/2016-10/2019	Ph.D. Graduate student at the Department of Physiology, Wayne State University, Detroit, MI
09/2011- 06/2015	Obstetrics and Gynecology, Rural Texas- combined Private and academic practice
02/2011 – 09/2011	Locum Temporary positions- in Rural TX
08/2009- 02/2011	Assistant Professor, Emory University, Atlanta, GA.
07/2007- 06/2009	Residency (3 rd and 4 th years)- Obstetrics and Gynecology, Medical College of Georgia, Augusta, GA
07/2006- 06/2007	Residency (2 nd year)- Obstetrics and Gynecology, Atlanta Medical Center affiliated with Medical College of Georgia, Atlanta, GA
07/2005- 06/2006	Internship- Baylor College of Medicine, Houston, TX
07/2003- 06/2005	Research Fellow, Wake Forest University Baptist Hospital, NC
09/1999- 06/2003	Medical School. American University of Beirut, Beirut Medical Center, Lebanon
06/1999- 10/1999	Part-time Research Assistant, Department of Physiology, American University of Beirut, Beirut, Lebanon

Leadership training

August 2021	Harvard Extension School, Professional Development Programs, “Becoming A Leader: Developing Your Style And Making Sound Decisions”
October 2021	Harvard Extension School, Professional Development Programs, “Building Organizational Cultures: A Framework for Leaders”

Active member in

Member of Society for Maternal Fetal Medicine (SMFM)
Fellow of American Congress of Obstetricians-Gynecologists (ACOG)

Past Experience and Professional Memberships

- Past President, Hutchinson county medical society, a member of Texas Medical Association 2012-2014
- Secretary, Medical Staff Committee, Golden Plains Community Hospital, 2014
- Chief, Division of surgery, Golden Plains Community Hospital, 2014
- Managed successful primary Ob-Gyn clinic practices 2009-2015
- Women’s and Children’s CCP Obstetrics Subcommittee, Beaumont Health
- Operational efficiency committee, Beaumont Medical Group

Current Quality Improvement at Sparrow Health System

- Michigan AIM Gold status: MI AIM’s goal, working with 80 birthing hospitals and healthcare professionals statewide, is to eliminate preventable maternal illness, death, and healthcare inequalities. MI AIM is a partnership of several organizations including the Michigan Department of Health and Human Services, the Michigan Health and Hospital Association, the Michigan Section of the ACOG, AWHONN, our Regional Perinatal Quality Collaboratives, the March of Dimes and several other organizations, all concerned with and operating to improve maternal and infant health.

- Establishing MFM division (from one to four physicians) with associated build up of ancillary services including genetic counseling
- Ultrasound quality improvement project at Sparrow Health System
- COVID Management protocol
- COVID monoclonal antibodies protocol
- Management of category II Fetal Heart Tracing: Education of providers on modified Clark's algorithm and evidence based management
- A member of a team receiving a grant for improvement and provision of medical nutrition especially for high risk pregnant diabetic mothers as part of "Feeding Your Growing Family – Addressing Food Insecurity among At-Risk Mothers"
- Protocol for postpartum care for mothers with newborns at risk for neonatal abstinence syndrome
- Protocol for Iron Infusion in the postpartum period
- Protocol and establishment of postpartum LARC
- Monitoring safety and quality of OB care at Sparrow Health System

Honors and Awards:

- Outstanding Fellow Award, Wayne State University
- 2009 Resident Research Award, Medical College of Georgia
- 2009 John McCain Award – SAAOG meeting Jan 2009, Ashville, NC
- 1996 Dean's Honor List at the American University of Beirut, Faculty of Arts and Sciences
- 1997 Dean's Honor List at the American University of Beirut, Faculty of Arts and Sciences
- 1998 Dean's Honor List at the American University of Beirut, Faculty of Arts and Sciences
- 1996 Lebanese Baccalaureate rank= third in Lebanon and first in Beirut

CERTIFICATION/LICENSURE:

Ultrasound RDMS/APCA 3/2016
 RDCS-Fetal Echocardiography- 5/2017.
 Board Certification ABOG: 12/2010
 USMLE step one (Oct 17, 2002): score 237 (96/100)
 USMLE step two (July 17, 2003): score 225 (91/100)
 TOEFL (March 28, 2003): score 277/300
 USMLE step two Clinical Skills (12/2/2004): pass.
 ECFMG Certification: 12/2004

PUBLICATIONS:

1. Al Housseini A, Newman T, Cox A, Devoe LD. Prediction of risk for cesarean delivery in term nulliparas: a comparison of neural network and multiple logistic regression models. Am J Obstet Gynecol. 2009 Jul;201(1):113.e1-6.
2. Li P, Prasad SS, Mitchell DE, Hachisuka A, Sawada JI, Al-Housseini AM, Gu Q. Postnatal expression profile of OBCAM implies its involvement in visual cortex development and plasticity. Cereb Cortex. Cereb Cortex. 2006 Feb;16(2):291-9.

3. Al-Housseini, AM; Dodd PR.; Gu Q; Lewohl, JM; Mayfield, RD; Harris RA. Protein analysis of Alcoholic brains. . Alcohol. Clin. Exp. Res. Suppl. 2006, 30, 218A.
4. Upregulation of beta-catenin signaling in superior frontal cortex of chronic alcoholics. Al-Housseini AM, Sivanandam TM, Bradbury EL, Dodd PR, Gu Q. Alcohol. Clin. Exp. Res. Feb 2008
5. Baki TT, Al-Housseini A, Applegate RJ, Gandhi SK, Kutcher MA, Santos RM, Sane DC, Sacrinty MT, Little WC. Radial Artery Patency in CABG and Factors Affecting Long Term Outcome. American College of Cardiology. October 2005.
6. Bikhazi AB, Jurjus AR, Kamal MT, Al-Housseini AM, Saab RN, Jaroudi WA, Bitar KM. Kinetics of lipopolysaccharide clearance by Kupffer and parenchyma cells in perfused rat liver. Comparative Biochemistry and Physiology. Part C 129(2001) 339-348.
7. Riedlinger G, Kriedel S, Al-Housseini AM, Brow JM, Bugge TH, Leppla SH, Duesbery N, Vande Woude G, and Frankel AE. Metastatic Melanoma and Matrix Metalloproteinases. Drugs of the Future. 2003; 28[9]: 1-8.
8. Al-Housseini A. A review article on “surgical management of metastatic colorectal cancer to the liver”. the American University of Beirut Surgery Bulletin. 2001.
9. Almario L, Antonyan AS, Porto DA, Gomez-Roberts H, Alhousseini A, and Gonik B. Management of Psoriasis Herpeticum in Pregnancy: A Clinical Conundrum. Case Reports in Obstetrics and Gynecology. Volume 2016 (2016):5319425. PMID: 27840756
10. Ali Alhousseini, Mia E. Layne, Bernard Gonik, David Bryant, Sanjay Patwardhan, Manasi Patwardhan. Successful continuation of Pregnancy with invasive Group A Streptococcus Sepsis. Obstet Gynecol. 2017 May;129(5):907-910.
11. Ali Alhousseini, Salah Ebrahim, Michael Awadalla, Manasi Patwardhan, Bernard Gonik. The use of FISH to explain a confusing case of Vasa Previa. J Ultrasound Med. 2017 Jul 24. PMID:28736851
12. Maria Maldonado, Ali Alhousseini (co-first author), Michael Awadalla, Jay Idler, Robert Welch, Karoline Puder, Manasi S Patwardhan, Bernard Gonik. Intrahepatic Cholestasis of Pregnancy Leading to Severe Vitamin K Deficiency and Coagulopathy. Case Rep Obstet Gynecol. 2017;2017:5646247. PMID: 28680707
13. Nardhy Gomez-Lopez, Roberto Romero, Valeria Garcia-Flores, Yi Xu, Yaozhu Leng, Ali Alhousseini, Sonia S Hassan, Bogdan Panaitescu. Amniotic Fluid Neutrophils Can Phagocytize Bacteria: A Mechanism for Microbial Killing in the Amniotic Cavity. American Journal of Reproductive Immunology. 2017 Jul 13. PMID: 28703488
14. Gomez-Lopez N, Romero R, Xu Y, Leng Y, Garcia-Flores V, Miller D, Jacques SM, Hassan SS, Faro J, Alsamsam A, Alhousseini A, Gomez-Roberts H, Panaitescu B, Yeo L, Maymon E. Are Amniotic Fluid Neutrophils in Women with Intra-Amniotic Infection and/or Inflammation of Fetal or Maternal Origin? Am J Obstet Gynecol. 2017 Sep 27. [Epub ahead of print] PubMed PMID: 28964823.
15. Gomez-Lopez N, Romero R, Xu Y, Miller D, Leng Y, Silva P, Faro J, Alhousseini A, Gill N, Hassan SS, Hsu CD. The Immunophenotype of Amniotic Fluid White Blood Cells in Normal and Complicated Pregnancies. In preparation
16. Ali Alhousseini, Sunil Jaiman, Edgar Hernandez-Andrade, Salam Zeineddine, Faisal Qureshi and Suzanne Jacques. Umbilical artery thrombosis with associated severe fetal growth restriction and transient severe protein S deficiency: Report of a case with prenatal ultrasound diagnosis allowing for timely intervention and good outcome. Case Rep Obstet Gynecol. 2018 Jul 9;2018:6324362. PMID: 30112236.

17. Alhousseini A, Zeineddine S, Alsamsam A, Gonik B, Abramowicz J, Puder K, Saker H, Hernandez-Andrade E. Incarcerated Uterus Presenting as Short Cervix and Placenta Previa. *Case Rep Obstet Gynecol*. 2018 Sep 4;2018:7373507. PMID: 3025477.
18. Alhousseini A, Mahaseth M, Zeineddine S, Jaiman S, Berman S, Bryant D, Tan S, Hernandez-Andrade E. A Non-Lethal Osteogenesis Imperfecta Type II Mutation. *Gynecol Obstet Invest*. 2019;84(2):204-208. doi: 10.1159/000494491. Epub 2018 Nov 8. PMID: 30408804.
19. Theis KR, Romero R, Winters AD, Greenberg JM, Gomez-Lopez N, Alhousseini A, Bieda J, Maymon E, Pacora P, Fettweis JM, Buck GA, Jefferson KK, Strauss JF 3rd, Erez O, Hassan SS. Does the human placenta delivered at term have a microbiota? Results of cultivation, quantitative real-time PCR, 16S rRNA gene sequencing, and metagenomics. *Am J Obstet Gynecol*. 2019 Mar;220(3):267.e1-267. PMID: 30832984
20. Alhousseini A, Zeineddine S, Hussein A, Baddah H, Saker H, Mody S, Ibrahim SA, Thakur M, Hernandez-Andrade E, Bahado-Singh R. Familial Hydrocephalus and Dysgenesis of the Corpus Callosum Associated with Xp22.33 Duplication and Stenosis of the Aqueduct of Sylvius with X-Linked Recessive Inheritance Pattern. *Gynecol Obstet Invest*. 2019 Apr 9:1-5. PMID: 30965333.
21. Alhousseini A, Romero R, Benshalom-Tirosh N, Gudicha D, Pacora P, Tirosh D, Kabiri D, Yeo L, Thachil J, Hsu CD, Hassan SS, Erez O. Non-overt disseminated intravascular coagulation (DIC) in pregnancy: a new scoring system for the identification of patients at risk for obstetrical hemorrhage requiring blood product transfusion. *J Matern Fetal Neonatal Med*. 2020 Feb 3:1-16. PMID: 31931643.
22. Alhousseini A, Vadillo-Ortega F, Palacios-Gonzalez B, Theis KR, Winters AD, Hassan SS, Meraz-Cruz N. Differential Secretion of Inflammatory Cytokines by Human Trophoblasts in the Presence of *Escherichia coli*, *Lactobacillus crispatus*, and *Lactobacillus jensenii*. *Gynecol Obstet Invest*. 2020;85(3):277-283. PMID: 32320981.
23. Romero R, Pacora P, Kusanovic JP, Jung E, Panaitescu B, Maymon E, Erez O, Berman S, Bryant DR, Gomez-Lopez N, Theis KR, Bhatti G, Kim CJ, Yoon BH, Hassan SS, Hsu CD, Yeo L, Diaz-Primera R, Marin-Concha J, Lannaman K, Alhousseini A, Gomez-Roberts H, Varrey A, Garcia-Sanchez A, Gervasi MT. Clinical chorioamnionitis at term X: microbiology, clinical signs, placental pathology, and neonatal bacteremia - implications for clinical care. *J Perinat Med*. 2021 Jan 26. doi: 10.1515/jpm-2020-0297. PMID: 33544519.
24. Yan Yan, Maryam Basij, Alpna Garg, Aneesha Varrey, Ali Alhousseini, Richard Hsu, Edgar Hernandez-Andrade, Roberto Romero, Sonia S. Hassan, Mohammad Mehrmohammadi. Spectroscopic photoacoustic imaging of cervical tissue composition in excised human samples. *PLOS One*. Mar 3, 2022;16(3):e0247385. PMID: 33657136.
25. Ali Alhousseini, Onur Turkoglu, Sonia Sajja, Kurt Wharton, Jay Idler, Ray Bahado-Singh. Does SARS-CoV-2 maternal infection or vaccination induce fetal inflammatory response? A prospective cohort study. *Gynecol Obstet Invest*. 2022 Jun 21. doi: 10.1159/000525625. PMID: 35728583
26. Alhousseini et al. Maternal complications with delivery for non-reassuring fetal status. Submitted.

Manuscripts on Placental microbiome, bladder microbiome in pregnant women: Two translational medicine manuscripts related to my PhD.

Book Chapters:

- **Alhousseini et al. Prelabor PROM. Clinical Obstetrics 4th edition. Chapter 50. Editor: Reece et al. 2021**
- **Bronsteen R., Alhousseini A. Bahodo-Singh R. Doppler studies in Post-term pregnancies. (submitted).**

Other currently active research projects:

- **Retrospective study on the effect of indomethacin on prolongation of pregnancy in women receiving cerclage procedure. I am the principle investigator working a resident: Jaber Saad.**
- **Postpartum hemorrhage: maternal characteristics that increase risk factors. I am the principle investigator working with a medical student as part of Embark program: Carly Farr.**
- **Preterm birth: Maternal characteristics leading to preterm birth. I am the principle investigator working with a medical student as part of the Embark program: Tyler Stubowski.**

Associate Editor, clinical obstetrics: Gynecologic and Obstetric Investigation

Reviewer for the following journals:

- Ultrasound in Obstetrics and Gynecology
- American Journal of Obstetrics and Gynecology
- Gynecologic and Obstetric Investigation
- Case Reports in Obstetrics and Gynecology
- Scientific Reports

Abstracts:

1. Al Housseini A, Suffidiya M, Daugherty P, Benigno B. A Phase II, Non-Randomized Study of Abraxane plus Carboplatin in Patients with Recurrent Platinum-Sensitive Ovarian or Primary Peritoneal Cancer: Evaluation of the response and survival and progression-free survival. Presented at SGO meeting 2008. published in Gynecologic Oncology Jan 2008.
2. A. Al Housseini, P. Daugherty, M. Sofidiya, M. Burrell, J. Boverie, B. Benigno. A phase II, non-randomized study of abraxane plus carboplatin in patients with recurrent platinum-sensitive ovarian or primary peritoneal cancer: Evaluation of side effects and tolerability. *J Clin Oncol* 26: 2008 (May 20 suppl; abstr 16556). ASCO 2008.
3. A microarray analyses of differential protein in frontal cortex of Alzheimer's disease and control subjects. Al-Housseini A, Widmer K, Gu Q. Soc. Neurosci. Abstr. (2004).
4. Validation of Antibody microarray results derived from young and adult visual cortex. Gu Q, Al-Housseini A, Widmer K. Soc. Neurosci. Abstr. (2004).

5. Up-regulation of signal transduction proteins in human hippocampus with epileptic seizures revealed by antibody microarrays. Widmer K, Al-Housseini A, Tytell M, Bell W, Glazier S, Gu Q. Soc. Neurosci. Abstr. (2004).
6. Up-regulation of erbB2 in temporal lobe epilepsy. Gu Q, Al-Housseini A, Widmer A, Hayes C, Bell W, Glazier S. Soc. Neurosci. Abstr. (2005).
7. Up-regulation of beta-catenin in superior frontal cortex of chronic alcoholics. Al-Housseini A, Dodd PR, Gu Q. Soc. Neurosci. Abstr. 2005, 31, 798.9.
8. Psoriasis Herpeticum in Pregnancy. Leanne Almario, Albert S. Antonyan, Dennis A. Porto, Hunter Gomez Roberts, Ali Alhousseini, and Bernard Gonik. Sinai Grace Hospital Research Day 2016.
9. Incarcerated Uterus Presenting as Short Cervix and Placenta Previa. Ali Alhousseini, Leanne Almario, Karoline Puder, Edgar Hernandez, Homam Saker, Jacques Abramowicz, Bernard Gonik. Sinai Grace Hospital Research Day 2016.
10. Nardhy Gomez-Lopez, Roberto Romero, Yi Xu, Derek Miller, Chaemsaitong Piya, Ahmed Ahmed, Ali Al-Housseini, Hunter Gomez-Roberts, Sonia S. Hassan. Neutrophil extracellular traps in the amniotic cavity of women with intra-amniotic infection. 63RD SRI ANNUAL SCIENTIFIC MEETING. March 16th, 2016.
11. Ali Alhousseini, Leanne Almario, Karoline Puder, Bernard Gonik, Jacques Abramowicz, Homam Saker, Edgar Hernandez-Andrade. Incarcerated Uterus Presenting as Short Cervix and Placenta Previa. Sinai Grace Hospital Annual Meeting 2016.
12. Maria Maldonado, Michael Awadalla, Jay Idler, Robert Welch, Ali Alhousseini. Severe Vitamin K Deficiency in Pregnancy Presenting with Preterm labor, Intrahepatic cholestasis, and Hematuria. SRI meeting, Vol 24, Issue 1_suppl, 2017.
13. Ali Alhousseini, Mia E. Layne, Bernard Gonik, David Bryant, Sanjay Patwardhan, Manasi Patwardhan. Successful continuation of Pregnancy with invasive Group A Streptococcus Sepsis. Presented at Wayne Day Meeting. 12/5/2016
14. Ali Alhousseini, Mia E. Layne, Bernard Gonik, David Bryant, Sanjay Patwardhan, Manasi Patwardhan. Invasive Group A Streptococcus sepsis in the third trimester: A clinical conundrum. American College of Obstetrics and Gynecologists (ACOG) Junior Fellow Research Day, Michigan Section. May 24th, 2017.
15. Ali Alhousseini, Manasi Patwardhan, Michael Awadalla, Sanjay Patwardhan, Bernard Gonik. Vasa Previa Complicating Pregnancy with Separate Dichorionic Placentas. ISUOG Vienna 2017.
16. Ali Alhousseini, Edgar Hernandez-Andrade, Sunil Jaiman, Faisal Qureshi, Suzanne M. Jacques, Adham Alsamsam, Sanjay Patwardhan, Manasi Patwardhan. Thrombosis and Necrosis of the Umbilical Artery Leading to Severe IUGR and Probably Associated with Transient Severe Protein S Deficiency. American Institute of Ultrasound in Medicine (AIUM) annual meeting March 24-28, 2018.
17. Ali Alhousseini, Hunter Gomez-Roberts, Edgar Hernandez-Andrade, Rahul D'Mello, Swati Mody, Karoline S. Puder. Traumatic Subdural Hemorrhage in One Fetus of a Twin Pregnancy. American Institute of Ultrasound in Medicine (AIUM) annual meeting March 24-28, 2018.
18. Ali Alhousseini, Maheshwar Mahaseth, Edgar Hernandez-Andrade, Sidhartha Tan, David Bryant. A Potentially lethal Prenatal diagnosis of an Osteogenesis Imperfecta Case turns out not to be Lethal. American Institute of Ultrasound in Medicine (AIUM) annual meeting March 24-28, 2018.

19. Adham Alsamsam, Jay Idler, Hunter Gomez-Roberts, Ali Alhousseini, Sanjay Patwardhan, Manasi Patwardhan. Prenatal diagnosis of Emmanuel Syndrome. American Institute of Ultrasound in Medicine (AIUM) annual meeting March 24-28, 2018.
20. Antepartum and intrapartum characteristics associated with postpartum blood transfusion. ACOG national meeting. Seattle WA. 2020.
21. The Job of the Obstetrician does not end by the Delivery of the Fetus with Non-reassuring Status. ACOG national meeting. Seattle WA. 2020.

Quality Improvement and Education-Based Projects:

- Ali Alhousseini, Joseph Roofeh, Ellery Greenberg, Salam Zeineddine, Susan Berman, Karoline Puder. Appropriate Preoperative Antibiotic Dosage for Elective Cesarean Deliveries: Educating Young Physicians to improve Clinical Practice. The Quality Education and Safe Systems Training (QuESST) Meeting, Detroit Medical Center 2018.
- Gomez-Roberts H, Idler J, Alhousseini A, Patwardhan S. Establishing a Protocol for the Management of Sickle Cell Disease and crisis in Pregnancy. Detroit Medical Center Quality Education and Safe Systems Training Annual Meeting 2017.
- Improving Resident Education: Cefazolin Dosing. Joseph Roofeh, Ellery Greenberg, Salam Zeineddine, Susan Berman, Karoline Puder, **Ali Alhousseini (Mentor)**. Michigan Section, American College of Obstetrics and Gynecologists Junior Fellow Research Day held on May 23, 2018.

Oral Presentations at National Conferences:

- Al Housseini A, Newman T, Cox A, Devoe LD. Prediction of risk for cesarean delivery in term nulliparas: a comparison of neural network and multiple logistic regression models. SAAOG 2009, Winner of Research Award.
- Samuel C. Johnson, MD, N. Tugce Yegul, MD, Patricia Balcacer, MD, Ali Alhousseini, MD. Sonovaginography Improves the Detection of lower Genital Tract Lesions. AIUM 2018
- Ali Alhousseini, Lami Yeo, Edgar Hernandez-Andrade, Suchaya Luewan, Maynor Garcia, Jaladhar Neelavalli, Roberto Romero. Otocephaly-Agnathia, Proboscis, and Holoprosencephaly Diagnosed in a Fetus with Trisomy 18 Using Three-Dimensional Ultrasound and Postmortem Magnetic Resonance Imaging. ISUOG Vienna 2017.
- Friedman P, Yilmaz A, Zeb A, Buket A, Whitten A, Alhousseini A, Ogunyemi D, Han B, Mandal R, Wishart D, Graham S, Bahado-Singh R. Metabolomic prediction of prematurity on asymptomatic short cervix. Society for Maternal Fetal Medicine. Las Vegas, NV. January 2019.
- Alhousseini A et al. Does SARS-CoV-2 maternal infection or vaccination induce fetal inflammatory response? A prospective cohort study. Society for Maternal Fetal Medicine. Orlando, FL. January 2022.

Clinical Trials: A Phase II, Non-Randomized Study of Abraxane plus Carboplatin in Patients with Recurrent Platinum-Sensitive Ovarian or Primary Peritoneal Cancer: Evaluation of the response and survival and progression-free survival. Ali Al Housseini, Joseph Boverie, Benedict Benigno. 2007

Research Project for Residency: Prediction of Risk of Cesarean Delivery using Neural Network Compared to standard Regression Analysis. The study involves 700 patients. Ali Al Housseini, Lawrence Devoe. 2009

Quality Control and Establishment of a Protocol:

- Gomez-Roberts H, Idler J, Alhousseini A, Patwardhan S. Establishing a Protocol for the Management of Sickle Cell Disease and crisis in Pregnancy. Detroit Medical Center Quality Education and Safe Systems Training Annual Meeting 2017.
- Alhousseini A., Roofeh J., et al: Preoperative antibiotic dosage in obese patients undergoing cesarean delivery- in progress. To be submitted to Quesst-DMC.
- Alhousserini, a., Puder K. Implementation of the administration of Tranexamic Acid in postpartum hemorrhage conditions at Detroit Medical Center 2017.

Volunteer work:

- Health Department Clinic: Corsicana TX, 2011: Attending physician providing obstetrical and gynecologic services to indigent women with no healthcare insurance coverage.
- Hope Clinic, Borger, TX 2013-2015: Medical Director and attending physician providing free obstetrical services and ultrasound to indigent pregnant patients with no healthcare insurance coverage.