

## CURRICULUM VITAE

### ALEXANDER D. KOFINAS, M. D.

#### Education:

1970 - 1976 Medical School  
Kapodistrian National University  
Athens, Greece

#### Postdoc. Training:

1985 - 1987 Fellowship  
Maternal-Fetal Medicine  
Bowman Gray School of Medicine  
Wake Forest University  
Winston-Salem, North Carolina

1981 - 1985 Obstetrics and Gynecology  
The Brooklyn Hospital  
Caledonian Hospital  
Brooklyn, New York

1980 - 1981 General Surgery  
Good Samaritan Hospital  
Cincinnati, Ohio

#### Experience:

2000- Director, Kofinas Perinatal PC  
New York Methodist Hospital  
Brooklyn NY, 11215 and  
Garden City NY, 11530

1994- 2000 Chief, Maternal-Fetal Medicine  
Department of Obstetrics and Gynecology  
The Brooklyn Hospital Center  
Brooklyn, New York

1993 - 1994 Director, Perinatal Diagnostic Center  
1030 Plymouth Road  
York, Pennsylvania

1990 - 1993 Director, Maternal-Fetal Medicine  
Associate Director, Residency Program  
Department of Obstetrics and Gynecology  
York, Hospital  
York, Pennsylvania

Academic:

- 2003- Associate Professor of Clinical Obstetrics and Gynecology  
Weill Cornell Medical College  
New York, New York
- 1994-2003 Associate Professor of Clinical Obstetrics and Gynecology  
Department of Obstetrics and Gynecology  
New York University  
New York, New York
- 1990 - 1994 Clinical Assistant Professor  
Department of Obstetrics and Gynecology  
University of Pennsylvania  
Philadelphia, Pennsylvania
- 1987 - 1990 Assistant Professor  
Department of Obstetrics and Gynecology  
Bowman Gray School of Medicine  
Winston-Salem, North Carolina
- 1985 - 1987 Instructor  
Department of Obstetrics and Gynecology  
Bowman Gray School of Medicine, Wake Forest University  
Winston-Salem, North Carolina

Certification:

- 1990- Board Certified  
American Board of Obstetrics and Gynecology  
Division of Maternal-Fetal Medicine  
Re-certified 2014
- 1989- Board Certified  
American Board of Obstetrics and Gynecology  
Re-certified 2014

Professional Licensure:

Licensed in New York, Pennsylvania, North Carolina and Maryland.

## Committees:

1. Quality Assurance Committee  
1990 - present  
(Chairman of committee 1996-present)
2. Patient Care Committee  
1990 - 1994
3. Bioethics Committee  
1990 - 1994
4. Residents Education Committee (York, PA)  
1990-1994
5. Credentials Committee  
1990 - 1999
6. Graduate Medical Education Committee (GME)  
1994 - present
7. Institutional Review Committee (IRB)  
1990-present
8. Health Information Management Committee  
1996-present
9. Medical Board Quality Performance Committee  
1996-present
10. Hospital Re-engineering Steering Committee  
1997-1999 (Ad hoc committee)
11. Physicians' Billing Steering Committee  
1998-1999 (Ad hoc committee)
12. Physicians' Reorganization Steering Committee  
1998-1999 (Ad hoc committee)
13. Information Technology Re-engineering Committee  
1998-1999 (Ad hoc committee)
14. Credentials committee: United Health Care  
Insurance 2000-2003

Community Service:

Board Member, Greek Orthodox Church of Annunciation. 1991-1994

Building Committee, Greek Orthodox Church of Annunciation. 1991 - 1994.

Professional Memberships:

1992 American College of Angiology

1991 International Society of Ultrasound in Obstetrics and Gynecology

1991 International Society of Perinatal Obstetricians

1988 International Perinatal Doppler Society

1987 Society of Maternal – Fetal Medicine

1986 American Institute of Ultrasound in Medicine

1989 American Medical Association

1981 American College of Obstetrics & Gynecology

1976 Athens Medical Association  
(Athens Greece)

**Professional Interests**

Clinical Interests:

High risk pregnancy Prenatal diagnosis (CVS, early amniocentesis, NT assessment, fetal ductus venosus assessment, PUBS) Fetal therapy, Fetal echocardiography, preterm labor management, fetal demise prevention, thrombophilia management, recurrent pregnancy loss management, pregnancy conceived by means of ART management and non-invasive fetal cardiovascular assessment.

Research Interests:

Non-invasive Cardiovascular Assessment of the Fetal-maternal Unit in pregnancies

complicated by placental thrombosis  
Utero-placental Doppler evaluation  
Fetal cranial Doppler flow studies  
Preterm birth prevention: the role of transvaginal  
ultrasound and Indomethacin.  
The role of LMWH in the prevention of complications in  
patients with abnormal unexplained low maternal serum  
PAPP-A.

Research in Progress: The role of ultrasound and power color Doppler in the evaluation  
of placental thrombosis in vivo in first trimester human pregnancy  
Indomethacin in the prevention of prematurity  
Prevention of IUGR: the placental contribution  
Natural history of spiral arterial conversion during  
first trimester in normal and high-risk pregnancies.  
Telomere length in placental tissue and fetal blood  
in high-risk patients

Awards:

1985 Best paper award – Resident’s Night  
Brooklyn Gynecologic Society

1985 Award for Excellence in Gynecologic  
Endoscopy

1997 National Faculty Award for Teaching  
Excellence

1999 Award for leadership, dedicated effort and  
support of quality patient care The Brooklyn  
Hospital Center Quality Assurance Program

Uniformed Service:

1979 – 1980 Department of Public Health - Greece  
(Mandatory Service)

1976 –1979 Greek Army (Mandatory Service)  
Soldier Physician  
Greek Army Medical Forces

Business:

Kofinas Perinatal  
506 Sixth St,  
Brooklyn, NY 11215  
Tel: (718) 780-5610 Fax: (718) 780-6206

901 Stewart Avenue  
Suite 245  
Garden City, NY 11530  
Tel: (516) 832-0300 Fax: (516) 832-0301  
E-Mail address: ak@kofinas.net

**LECTURES, SPEECHES, EXHIBITS AND FILMS:**

1. Amniotic fluid beta-endorphin levels and parturition. Brooklyn Gynecologic Society, April 17, 1985.
2. Fetal arrhythmias. Forsyth Memorial Hospital, Winston-Salem, North Carolina, March 19, 1986.
3. Amniotic fluid beta-endorphin levels and labor. Society for Gynecologic Investigation, March 19-22, 1986.
4. Perinatal brain damage. Forsyth Memorial Hospital, Winston-Salem, North Carolina, June 18, 1986.
5. Changes in cAMP - phosphodiesterase activity in nonpregnant and pregnant human myometrium. Society of Perinatal Obstetricians, February 5-7, 1987.
6. The effect of Estradiol (E<sub>2</sub>) and Progesterone (P) in the activity of human myometrial phosphodiesterase. Society for Gynecologic Investigation, March 18-21, 1987.
7. Pros and cons in the use of maternal serum AFP screening in pregnancy. Forsyth Memorial Hospital, Winston-Salem, North Carolina, May 20, 1987.
8. Gestational diabetes reverses circadian variation of plasma insulin response. International Society of Chronobiology, July 12-17, 1987.
9. The use of ultrasound in the diagnosis of IUGR and Dating of the pregnancy by ultrasound. Bowman Gray School of Medicine, Courses and Seminars in Diagnostic Ultrasound, September 22-25, 1987.
10. Gestational diabetes reverse circadian variation of plasma insulin response but has no effect on plasma glucose clearance. Society of Perinatal Obstetricians, February 4-6, 1988.
11. The effect of placental location on uterine artery flow velocity wave-forms. Society for Gynecologic Investigation, March 17-20, 1988.
12. Correcting umbilical artery flow velocity wave-forms for fetal heart rate is unnecessary. International Perinatal Doppler Society, May 23-25, 1988.
13. The effect of placental location on uterine artery flow velocity wave-forms. International

- Perinatal Doppler Society, May 23-25, 1988.
14. Uterine and umbilical artery flow velocity wave-form (FVW) analysis in patients with pregnancies complicated by chronic hypertension and pre-eclampsia. ACOG-District IV Meeting, November 12-15, 1988
  15. Prenatal diagnosis and management of fetal hydrocephalus. Grand Rounds, FMH, November 16, 1988.
  16. The use of Doppler Ultrasound in obstetrics. Grand Rounds, The Brooklyn Hospital - Caledonian Hospital, December 6, 1988.
  17. Increase plasma concentrations of atrial natriuretic peptide in toxemic pregnancies. Society of Perinatal Obstetricians, February 2-4, 1989.
  18. Laterality of placental location correlates with the presence of pre-eclampsia and/or intrauterine growth retardation. Society for Gynecologic Investigation, March 15-18, 1989.
  19. Atrial natriuretic peptide (ANP) concentrations during pregnancy and in the postpartum period. Society for Gynecologic Investigation, March 15-18, 1989.
  20. Interrelationship between atrial natriuretic peptide (ANP) concentration and acute volume expansion in pregnant and non-pregnant women. Society for Gynecologic Investigation, March 15-18, 1989.
  21. Laterality of placental location correlates with the presence of pre-eclampsia and/or intrauterine growth retardation. International Perinatal Doppler Society, September 13-15, 1989.
  22. Utero-placental Doppler flow velocity wave-form analysis correlates poorly with glycemic control in diabetic pregnant women. Society of Perinatal Obstetricians, January 23-27, 1990.
  23. Utero-placental Doppler flow velocity wave-form indices in normal pregnancy: a statistical exercise in the development of appropriate reference values. Society of Perinatal Obstetricians, January 23-27, 1990.
  24. Amniotic fluid atrial natriuretic factor concentrations in normal pregnancy and pre-eclampsia. Society of Gynecologic Investigation, March 22-24, 1990.
  25. Interrelationship and clinical significance of increased resistance in the uterine arteries in patients with hypertension and/or pre-eclampsia. Society of Perinatal Obstetricians, January 1991.
  26. Effect of the observer variability on fetal growth evaluation by individual fetal growth curve standards. American Institute of Ultrasound in Medicine, March 1991.

27. Comparison of transverse and coronal fetal cerebellar diameters. American institute of Ultrasound in Medicine, March 1991.
28. Evaluation of intrauterine growth retardation by sonographic individual fetal growth curves. The World Federation for Ultrasound in Medicine and Biology, Denmark. September 1991.
29. Umbilical and uterine artery Doppler : basic concepts and Umbilical and uterine artery Doppler in the management of high risk pregnancy, South Carolina Society of Diagnostic Ultrasound, North Myrtle Beach, SC, June 1991.
30. Compliance-weight deficit index: combining umbilical artery resistance and growth deficit for the prediction of intrauterine growth retardation and poor perinatal outcome. 4th International Perinatal Doppler Society Congress, Sweden, August 1991.
31. The effect of fetal heart rate and fetal activity on the pulsatility index . 5th International Perinatal Doppler Society Congress, New York, NY August 1992.
32. Transabdominal CVS between 9.5 and 12 weeks gestation has no effect on placental vascular resistance , 5th International Perinatal Doppler Society Congress, New York, NY August 1992.
33. Compliance-weight deficit index :combining umbilical artery resistance and growth deficit for the predication of intrauterine growth retardation and poor perinatal outcome, District III Annual Meeting The American College of Obstetricians and Gynecologist, Marbella, Spain, November 1992.
34. The role of ultrasound in prenatal diagnosis of chromosomal anomalies in the 90's, OB/GYN Education Day, Harrisburg Hospital, Harrisburg, PA, October 1993.
35. Doppler in Obstetrics and Gynecology: Principles and Practice, 1<sup>st</sup> international symposium in the managements of labor, Democretian University of Thrace school of medicine, Alexandroupolis, Greece, October 1999
36. Amnioinfusion in the management of severe oligohydramnios, 1<sup>st</sup> international symposium in the managements of labor, Democretian University of Thrace school of medicine, Alexandroupolis, Greece, October 1999
37. Incompetent Cervix: diagnosis and management, National meeting of the Hellenic Society of Maternal Fetal Medicine, Volos, Greece, April 2000
38. Pre-eclampsia: the search for common knowledge, 1<sup>st</sup> annual meeting of the International Society of Perinatal Obstetricians, Athens, Greece, June 2000
39. The role of high-resolution ultrasound and power color Doppler in the diagnosis of



placental thrombosis leading to poor pregnancy outcome. International Society of Ultrasound in Obstetrics and Gynecology. London, England, September 7, 2006

40. Indomethacin improves cervical length in patients with progressive cervical shortening after one week of bed-rest. 7<sup>th</sup> World Congress in Fetal Medicine, Sorrento-Italy, June 22-26, 2008
41. The role of Indomethacin as a diagnostic and therapeutic tool in the management of the ultrasonically diagnosed short cervix: reduced need for surgical procedures and significantly reduced preterm birth rate. International Society of Ultrasound in Obstetrics and Gynecology. Chicago, August 26-28, 2008
42. Preeclampsia: the new frontier. Diagnosis and management. Grand Rounds, New York Methodist Hospital –Cornell University College of Medicine, Department of OB/GYN, December 2008
43. Fetal Nutrition and adult health. How fetal life defines the health of the adult to be. Grand Rounds, New York Methodist Hospital –Cornell University College of Medicine, Department of OB/GYN, December 2009
44. Low Molecular weight heparin (LMWH) and low-dose aspirin treatment in patients with pre-existing high-risk conditions improves pregnancy outcomes when such pregnancies are complicated in addition by unexplained low maternal serum PAPP-A. International Federation of Placenta Associations, September 10<sup>th</sup>, 2014, Paris France.
45. Progress in obstetrical practice and changes over time in the major obstetrical complications. True and fallacious impressions. Lecture to residents, NY Methodist hospital, Brooklyn NY. August 2014
46. Diagnosis and management of IUGR. New concepts regarding quality of life for the IUGR neonate/adult. Lecture to residents, NY Methodist hospital, Brooklyn NY. October 2014

## BIBLIOGRAPHY:

### Books:

1. Kofinas GD, Kofinas AD. Notes in pharmacology. Athens, Greece: Paschalides publishing, 1973.

2. Kofinas AD. Synopsis of forensic medicine and toxicology, 1st. Ed. Athens, Greece: Paschalides Publishing, 1974.
3. Kofinas AD, Arvanitakis J, Ed. Useful hints and questions on ECFMG examinations. Athens, Greece: Paschalides Publishing, 1976.
4. Goldman MJ, Ed. Principles of clinical electrocardiography, 10th Ed. Kofinas AD, Kofinas EA (trans). Athens, Greece: Paschalides Publishing, 1979.

#### CHAPTERS IN TEXTBOOKS:

1. Kofinas AD. Physiological Adaptations in Pregnancy. Maternal Fetal Medicine: Mamopoulos M and Farmakides G, Editors. University Studio Press Thessalonica 1996
2. Kofinas AD and Kofinas GD. Gestational Trophoblastic Neoplasia. Obstetrics and Gynecology: Lolis D, Editor. Pitsilidis Press, Athens 1998
3. Kofinas AD and Kofinas GD. Doppler in Obstetrics and Gynecology: Principles and Practice: Lolis D, Editor. Pitsilidis Press, Athens 1998

#### JOURNAL ARTICLES:

1. Kofinas AD, Suarez J, Calame RJ, Chipeco Z. Chondrosarcoma of the uterus. Gynecol Oncol 1984;19:231-237.
2. Kofinas GD, Kofinas AD, Tavakoli FM. Maternal and fetal beta-endorphin release in response to the stress of labor and delivery. Am J Obstet Gynecol 1985;152:56-59.
3. Kofinas AD, Nelson L. Premature rupture of the fetal membranes. Family Practice Re-certification 1986;7:99-110.
4. Kofinas AD, Hatjis CG, Ernest JM, Parker RL Jr. Anterior sacral meningocele in pregnancy. Obstet Gynecol 1987;69:441-444.
5. Kofinas GD, Kofinas AD, Pyrgerou M, Reyes FL. Amniotic fluid beta-endorphin levels and labor. Obstet Gynecol 1987;69:945-947.
6. Kofinas AD, Rose JC, Meis PJ. Changes in cyclic adenosine monophosphate phosphodiesterase activity in non-pregnant and pregnant human myometrium. Am J Obstet Gynecol 1987;157:733-738.
7. Kofinas AD, Meis PJ, Rose JC. Gestational diabetes reverses the circadian variation of plasma insulin response to intravenous glucose. Am J Obstet Gynecol 1988;159:607-611.

8. Kofinas AD, Penry M, Greiss FC, Meis PJ, Nelson LH. The effect of placental location on uterine artery flow velocity wave-forms. *Am J Obstet Gynecol* 1988;159:1504-1508.
9. Hatjis CG, Morris M, Rose JC, Kofinas AD, Penry M, Swain M. Oxytocin vasopressin and prolactin responses associated with nipple stimulation. *Southern Medical Journal* 1989;82, No 8;193-196.
10. Kofinas AD, Espeland M, Swain , Penry M, Nelson LH. Correcting umbilical artery flow velocity wave-forms for fetal heart rate is unnecessary. *Am J Obstet Gynecol* 1989;160:704-707.
11. Hatjis CG, Greelish JP, Kofinas AD, et al. Atrial natriuretic peptide maternal and fetal concentrations is severe pre-eclampsia. *Am J Obstet Gynecol* 1989;161:1015-1019.
12. Kofinas AD, Penry M, Swain M, Hatjis C. The effect of placental laterality on uterine artery resistance and the development of pre-eclampsia and intrauterine growth retardation. *Am J Obstet Gynecol* 1989;161:1536-1539.
13. Kofinas AD, Penry M, Swain M, et al. Relationship between placental location and uterine vascular resistance. Response to letter to the Editor. *Am J Obstet Gynecol* 1990;163:1362.
14. Warner AA, Kofinas AD. Spontaneous resolution of cystic hygroma. *Prenatal Diagn* 1990;10:11;758
15. Kofinas AD, Penry M, Nelson LH, Meis PJ, Swain M. Uterine Artery and umbilical artery flow velocity wave-form analysis in pregnancies complicated by chronic hypertension and/or pre-eclampsia. *Southern Medical Journal* 1990;83, NO.2;150-155.
16. Hatjis CG, Kofinas AD, et al. Interrelationship between atrial natriuretic factor (ANF) concentrations and acute volume expansion in pregnant and non-pregnant women. *Am J Obstet Gynecol* 1990;163:45-50.
17. Kofinas AD, Rose JC, Koritnik DR, Meis PJ. Progesterone and estradiol concentrations in non-pregnant and pregnant human myometrium and their effect on the cyclic adenosine monophosphate-phosphodiesterase activity. *The Journal of Reproductive Medicine*. 1990;35:1045-1050.
18. Simon NV, Deter RL, Grow DR, and Kofinas AD. Detection of macrosomia by the individual fetal growth curve standards method. *Obstet Gynecol*. 1991;77:793-797.
19. Kofinas AD, Penry M, Hatjis CG. Umbilical vessel flow velocity wave-form in cord entanglement in a monoamniotic multiple pregnancy. *The journal of Reproductive*

Medicine 1991;36:314-16.

20. Kofinas AD, Simon NV, Lyttle E, Smith N, King K. Successful treatment of fetal supra-ventricular tachycardia with Flecainide acetate after failure of Digitalis. *Am J Obstet Gynecol* 1991;165:630-1.
21. Kofinas AD, Penry M, Swain M. Utero-placental Doppler flow velocity wave-form analysis correlates poorly with glycemic control in diabetic pregnant women. *Am J Perinat* 1991;8:273-77.
22. King K, Kofinas AD, Simon NV. Prenatal diagnosis of horseshoe kidney. *Journal of Ultrasound in Medicine*, 1991;10:643.
23. Kofinas AD, Espeland MA, Penry M, Hatjis C. Utero-placental Doppler flow velocity wave-form indices In normal pregnancy: a statistical exercise and the development of appropriate reference values. *Am J Perinat* 1992;9:94.
24. Simon NV, Deter RL, Kofinas AD, Grow DR. Effect of a measurement variability on Rossavik growth model specification and prediction of growth outcome at birth. *Journal of Clinical Ultrasound*, 1992;20:239-45.
25. Kofinas AD, Penry M, Simon N, Swain M. Interrelationship and Clinical Significance of Increased Resistance in the Uterine Arteries in Patients with Hypertension and Pre-eclampsia or Both. *Am J Obstet Gynecol* 1992;166:601-606.
26. Kofinas AD, Simon NV, King K, Clay D. Comparison of cerebellar measurements by two different techniques. *Journal of Ultrasound in Medicine*, 1992;11:257-249.
27. Evans D, Kofinas AD, King K. Intraoperative Amniocentesis and Indomethacin Treatment in the Management of an Immature Pregnancy with Completely Dilated Incompetent Cervix. *Obstet and Gynecol.* 1992;79:881-882.
28. Kofinas AD, Simon NV, Lyttle E, et al. Successful treatment of fetal supra ventricular tachycardia with Flecainide acetate after failure of Digitalis. Response to Letter to the Editor, *Am J Obstet and Gynecol.* 1992;166:1863.
29. King K, Kofinas AD, Simon NV. Prenatal diagnosis of horseshoe kidney. Response to Letter to the Editor *J Ultrasound Medicine*, 1992; 11:274.
30. Hatjis CG, Kofinas AD, Greelish JP, Swain M, Rose JC. Atrial natriuretic factor concentrations during pregnancy and in the postpartum period, *Am J Perinat* 1992; 9:275-278.
31. Cabbad M, Kofinas A, Simon N, King K, Lyttle E. Weight Percentile Discordance as an Indicator of Asymmetrical Growth Impairment. *The Journal of Reproductive Medicine*, 1992; 37:794-798.

32. Kofinas AD, Simon NV, Clay D, King K. Functional Asymmetry of the Human Myometrium Documented by Color and Pulsed Wave Doppler Ultrasound Evaluation of Uterine Arcuate Arteries During Braxton-Hicks Contractions. *Am J Obstet Gynecol*, 1993;168:184-188.
33. King K, Kofinas AD, Simon NV. Prenatal diagnosis of pelvic kidney. *The Journal of Reproductive Medicine*; 1993;38:225-226.
34. Simon NV, Deter RL, Kofinas AD, Cavanaugh SH, Shearer DM. Small-for-Menstrual-Age Infants: Different Subgroups Detected Using Individualized Fetal Growth Assessment. *Journal of Clinical Ultrasound*, 1994;22:3-10.
35. Kofinas AD, Simon NV, Penry M, Hatjis CG. Compliance-weight deficit index: combining umbilical artery resistance and growth deficit for the prediction of intrauterine growth retardation and poor perinatal outcome. *The Journal of Reproductive Medicine* 1994;39:8:595-600.
36. Kofinas AD, Cavanaugh S, McGuinness T, King K, Clay, d. The Effect of Fetal Heart Rate and fetal Activity on the Middle Cerebral Artery Flow Velocity Wave-forms in Normal Human Fetuses and The Development of Normal Values from 18-42 weeks Gestational Age *J Matern Fetal Invest* 1994;4:93-99
37. White SP, Kofinas AD. Prenatal Diagnosis and Management of Umbilical Vein Varix of the Intra-amniotic Portion of the Umbilical Vein *J Ultrasound Med* 1994 13:992-994
38. Kofinas AD, D'Amico K, McGuinness T, Clay D, King K. Placental Vascular Resistance and Fetal Cardiovascular Responses to Transabdominal Chorionic Villus Sampling (TA-CCVS) Performed Between 9.5 and 12 weeks Gestation. *J Reproductive Med* 1995;40:453-457
39. Crean J, Kofinas AD. Fetal Pulmonary Sequestration Presenting as Unilateral Idiopathic Hydrothorax: Prenatal and Postnatal management. *J Reproductive Med* 1995;40:319-322
40. Kofinas AD, Cabbad MF, and Kofinas GD. The Effect of Vibratory Acoustic Stimulation on Fetal Middle Cerebral Artery Impedance and Instantaneous Fetal Heart Rate: A Prospective Cross -Sectional Study From 20 to 42 Weeks Gestational Age *J Matern Fetal Invest* (1996) 6:19-22
41. Kofinas AD, Cabbad MF, and Kofinas GD. Ductus Venosus Flow Velocity in Acute Fetal Congenital Heart Failure During Fetal Transfusion. *J Maternal Fetal Invest* (1996) 6: 188-189
42. Stankovic MR, Maulik D, Rosenfeld W, Stabblefield G, Kofinas A, et al. Real-time Optical Imaging of Experimental Brain Ischemia and Hemorrhage in Neonatal Piglets. *J. Perinat.*

Med. 27 (1999) 279-286

43. Stankovic MR, Maulik D, Rosenfeld W, Stubblefield PG, Kofinas AD, Gratton E, Franceschini MA, Fantini S, Hueber D, The role of frequency domain optical spectroscopy in the detection of neonatal brain hemorrhage - a newborn piglet study. *J Mater.-Fetal Med.* 2000
44. Kofinas AD, Kofinas GD, Paschopoulos M and Lolis D. Placental Laterality May be a Random Event and not the Result of Inherent Uterine Artery Pathology. *J Matern Fetal Med.* 2000 May-Jun;9(3):178-80
45. Zhang G, Katz A, Alfano RR, Kofinas AD, Kofinas DA, Stubblefield PG, Rosenfeld W, Beyer D, Maulik D, Stankovic MR. Brain perfusion monitoring with frequency-domain and continuous-wave near-infrared spectroscopy: a cross-correlation study in newborn piglets. *Phys Med Biol* 2000 Nov;45(11):3143-58
46. Kofinas AD and Kofinas GD. Differences in Amniotic Fluid Patterns and Fetal Biometric parameters in 3<sup>rd</sup> Trimester Pregnancies with and without diabetes. *Journal of Maternal-Fetal and Neonatal Medicine* 2006 Oct;19(10):633-38
47. Kofinas AD, Kofinas GD and Sutija VG. The role of second trimester ultrasound in the diagnosis of placental thrombosis leading to poor pregnancy outcome. *J Matern Fetal Neonatal Med.* 2007 Sep 29: 1-8
48. Kofinas AD, Kofinas J. Indomethacin as a diagnostic and therapeutic tool in the management of progressive cervical shortening diagnosed by trans-vaginal sonography. *The Journal of Maternal-Fetal and Neonatal Medicine*, 2010; Early Online, 1-7
49. Kofinas AD., *et al.* "Enoxaparin and Low Dose Aspirin Improve Outcomes in High-Risk Pregnancies Complicated Further by Unexplained Low Maternal Serum Pregnancy-Associated Plasma Protein-A". *EC Gynaecology* 1.3 (2015): 92-99.

#### PAPERS IN PROGRESS:

1. Kofinas AD Vitamin D3 deficiency in pregnancy: associations with obstetrical history.
2. Kofinas AD Reduced incidence of preeclampsia in patients treated with LMWH for prothrombotic abnormalities and poor obstetrical histories.
3. Fetal cardiovascular and peripheral vascular effects from the repetitive use of Indomethacin for the treatment of premature cervical shortening and preterm labor.

Reviewer for Journal Articles:

1989-

Obstetrics and Gynecology

1992-	Clinical and Experimental Hypertension in Pregnancy
1992-	Am Journal of Obstetrics and Gynecology
1997-	Journal of Perinatology
1998-	Journal of Ultrasound in Medicine
2004-	Journal of Maternal-Fetal and Neonatal Medicine
2011	Saudi Medical Journal
2011	Journal of Pregnancy