

Curriculum Vitae**Jan 2005****Oluyinka O. Olutoye, M.B.Ch.B., Ph.D.****ADDRESS:**

Office: Division of Pediatric Surgery
 Department of Surgery
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SPECIALTY: Fetal, Neonatal, Pediatric Surgery

EDUCATION:

Sept. 1977 - June 1982 King's College Lagos, Nigeria

Nov. 1982 - Nov. 1988 Obafemi Awolowo University Medical School (formerly University of Ife),
 Ile-Ife, Nigeria
M.B.Ch.B (distinctions in Anatomy & Pathology)

July 1993 - May 1996 Virginia Commonwealth University, Richmond, Virginia, USA
Ph.D. Anatomy

POST GRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

Dec. 1988 - Nov. 1989 Rotating Internship, Lagos University Teaching Hospital, Lagos, Nigeria

July 1990 - June 1991 PGY-1 Pediatrics, Howard University Hospital Washington, D.C.

July 1991 - June 1993 General Surgery Residency, Medical College of Virginia Hospitals, Virginia Commonwealth University, Richmond, VA

July 1993 - June 1996 Research Fellowship, Wound Healing Laboratory, Medical College of Virginia, Virginia Commonwealth University, Richmond, VA

July 1996 - June 1997 General Surgery Residency, Medical College of Virginia Hospitals, Virginia Commonwealth University, Richmond, VA

July 1997 - June 1998 Chief Resident, General Surgery, Medical College of Virginia Hospitals, Virginia Commonwealth University, Richmond, VA

July 1998 - June 1999 Fetal Surgery Research Fellowship, The Children's Institute for Surgical Science, The Children's Hospital of Philadelphia, and the University of Pennsylvania School of Medicine, Philadelphia, PA

July 1999 – June 2000 Assistant Chief Resident in Pediatric Surgery, The Children's Hospital of Philadelphia, and the University of Pennsylvania School of Medicine, Philadelphia, PA

July 2000 – June 2001 Louis Schnauffer Surgical Fellow and Chief Resident in Pediatric Surgery, Division of General, Thoracic and Fetal Surgery, Department of Surgery, The Children's Hospital of Philadelphia, and the University of Pennsylvania School of Medicine, Philadelphia, PA

MILITARY SERVICE:

1996 - Present U.S. Air force Reserves, Medical Corp;

2002 – Present Staff Pediatric Surgeon, Flight 859 MSGS/MCSG, Wilford Hall Medical Center, Lackland AFB, TX

FACULTY AND ADMINISTRATIVE APPOINTMENTS:

Sep 1998 – June 1999 Instructor in Gross Anatomy, Department of Cell and Developmental Biology, University of Pennsylvania School of Medicine, Philadelphia, PA

July 1999 – June 2001 Instructor in Surgery, Department of Surgery, University of Pennsylvania, School of Medicine, Philadelphia, PA

July 2001 – Present Assistant Professor of Surgery, Division of Pediatric Surgery, Michael E. DeBakey Department of Surgery, Baylor College of Medicine, Houston, TX

July 2001 – Present Assistant Professor of Pediatrics, Section of Leukocyte Biology, Department of Pediatrics, Baylor College of Medicine, Houston, TX

Jan 2003 – Present Co-Surgical Director, ECMO Program, Texas Children's Hospital, Houston, TX.

2003 – Present Co-Director, Texas Center for Fetal Surgery, Texas Children’s Hospital, St. Luke’s Episcopal Hospital, and Baylor College of Medicine, Houston, TX.

HOSPITAL APPOINTMENTS:

July 2000 – June 2001 Assistant Physician, Division of Pediatric General, Thoracic and Fetal Surgery, Department of Surgery, The Children’s Hospital of Philadelphia, Philadelphia, PA.

July 2001 – Present Active Staff, Texas Children’s Hospital, Houston, TX.

July 2001 – Present Active Staff, Ben Taub General Hospital, Houston, TX

Oct. 2001 – Present Active Staff, Clear Lake Regional Medical Center, Webster, TX

Jan. 2002 – Present Active Staff, St. Luke’s Episcopal Hospital, Houston, TX

April 2002 – Present Active Staff, The Woman’s Hospital of Texas, Houston, TX

June 2002 – Present Active Staff, Wilford Hall Medical Center, Lackland AFB, TX

CERTIFICATIONS:

July 1987 Educational Committee for Foreign Medical Graduates (ECFMG – #415-745-9)

June 1990 Federal Licensing Exam - FLEX (Pennsylvania) (#670115001)

Nov 1999 American Board of Surgery, Certificate # 44550

May 2002 American Board of Surgery, Special Qualification in Pediatric Surgery.

ADVANCED TRAINING:

Clinical

 Pediatric Advanced Life Support, Provider

 Advanced Trauma Life Support, Instructor

 Neonatal Advanced Life Support, Instructor

 Advanced Cardiac Life Support, Provider

- 1998 ECMO Training Course, The Children's Hospital of Philadelphia, Philadelphia, PA.
- 1999 Workshop on Advanced Management of Anorectal Anomalies, Alberto Pena, M.D., Schneider's Children's Hospital, Long Island, NY
- 2000 Advanced Minimally Invasive Surgery Course, Baptist Children's Hospital Miami, FL.

Research

- July 1995 Invited speaker and participant, Gordon Research Conference on Wound Repair, Colby Sawyer College, New Hampshire.
- May 2001 Molecular Biology and PCR Summer Workshop, Smith College, Northampton, MA
- Mar 2002 Young Surgical Investigators Conference, American College of Surgeons, Leesburg, VA

LICENSURE:

- 2002 Texas - L3052 (active)
- 1998 Pennsylvania - MD-066146-L (inactive)
- 1993 Virginia - (01010)49610 (inactive)
- 1990 Federal Republic of Nigeria F16798
- 1991

AWARDS AND HONORS :

- 1980 - 1981 Assistant Secretary, King's College Students' Council
- 1981 - 1982 Assistant School Prefect, King's College Lagos
- 1981 - 1982 Officer of the King's College Cadet Unit
- 1985 Distinctions in Anatomy and Pathology
- 1985 Major General Olufemi Olutoye Prize in Anatomy
- 1987 Professor T. Adeoye Lambo Prize in Neuropsychiatry

- 1988 Valedictorian Graduating Class of 1988, Obafemi Awolowo University Medical School, Ile-Ife
- 1991 Darrel Hale Williams Award to the Most Outstanding Intern at Howard University Hospital, Washington, DC
- 1991 Outstanding Intern Award - Department of Pediatric/Child Health, Howard University, Washington, DC
- 1995 David Hume Memorial Resident Research Paper Award.
- 1995 – 1998 Local Medical Examiner for the Commonwealth of Virginia
- 1996 3rd Place, Jens Rosenkranz Resident Competition, American Academy of Pediatrics Section on Surgery
- 1997 First Place, 1997 Bigger-Lehman Resident Award, Virginia Surgical Society
- 1998 Alpha Omega Alpha (House staff) Medical College of Virginia, Virginia Commonwealth University, Richmond, VA.
- 1998 Best resident teacher –Selected by Medical College of Virginia Medical Students.
- 1998 Isaac A. Bigger Award to the Best Chief Resident in Surgery, Medical College of VA
- 2000 Outstanding Discussion Group Leader Award, University of Pennsylvania School of Medicine, Medical Student Teaching Award; Class of 2002
- 2003 Molecular Surgeon Research Achievement Award, Michael E. DeBakey Department of Surgery, Baylor College of Medicine, Houston, TX
- 2005 Fulbright & Jaworski L.L.P. Faculty Excellence Award: Teaching and Evaluation, Baylor College of Medicine, Houston, TX

MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES:

International Societies:

Nigerian Medical Association

International Fetal Medicine and Surgery Society

National Societies:

Fellow, American College of Surgeons
Fellow, American Academy of Pediatrics – Section on Surgery
American Pediatric Surgical Association, Candidate member
Association for Academic Surgery, Member
Alpha Omega Alpha Society
Wound Healing Society
Awards Committee – 2003 – present
Program Committee - 2004
Humera Surgical Society

Local/Regional Societies:

Harris County Medical Society
Houston Surgical Society

COMMITTEES:

2000 – 2001	Executive Committee, Children’s Hospital of Philadelphia Hospitals, Philadelphia, PA.
2003 – present	ECMO Committee, Texas Children’s Hospital, Houston, TX
2003 – present	Transfusion Committee, Texas Children’s Hospital, Houston, TX
2004 – present	Infection Committee, Texas Children’s Hospital, Houston, TX
2004 – present	Sub-committee on competency, Curriculum Committee, Baylor College of Medicine, Houston, TX
2005 – present	Perinatal Advisory Committee, Texas Children’s Hospital, Houston, TX

GRANTS:

ON-GOING RESEARCH SUPPORT:

3/1/2004 – 2/28/2008	National Institutes of Health, K-08 GM 069912 Selectins in Fetal Wound Healing Role: Principal Investigator -\$518,772		
1/1/2002 – 12/31/2005 Award	The Robert Wood Johnson Foundation Faculty “Role of Selectins in Fetal Wound Healing.” Role: Principal Investigator. -\$365,400	Career	Development

COMPLETED SUPPORT:

7/1/2002 – 6/30/2003	The Curtis Hankamer Basic Research Fund “The Role of Selectins in Fetal Tissue Repair” Role: Principal Investigator -\$25,000		
1994 - 1996	NIH Individual National Research Service Award F32 GM 16912 "The Role of Platelets in Fetal Wound Healing" - \$69,600		
1994	Plastic Surgery Research Foundation - \$4,783		
1993 – 1996	R01 GM 47566-02S (DIEGELMANN) NIH/NIGMS NIH supplement Mechanisms of Fetal Wound Repair; Cellular & Molecular - \$132,300 Role: Co-investigator/supplement		

TEACHING

Clinical Fellows Supervised

Michael Helmrath, M.D.	2001 – 2002
Richard Glick, M.D.	2001 – 2003
Saad Al-Mulhim, M.D	2001 – 2003
Jateen Patel, M.D.	2001 – 2003
Mary Barnes, M.D.	2002 – 2004
Stephen Muehlstedt, M.D.	2003 – present
Naomi Golonka, M.D.	2003 – Present
Douglas Miniati, M.D.	2004 - Present

Undergraduate Students Supervised

Nsonghou Ghoghomu	2002
Irving Zamora	2003
Jessica Allen	2003
Torey Scott	2004

Graduate Students Supervised

Xi (Peter) Zhu	2002 – 2004. M.Sc Public Health thesis advisor.
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Medical Students' Supervisor and Lecturer during Core Surgical Clerkships – 2001 – present

Lecturer, Human Embryology, First year Medical Students, Baylor College of Medicine. – 2002 - present
About 14 - 16 lectures each year.

5th Annual Houston Premedical Academy Research Symposium – Judge 2005

DISSERTATIONS AND DIRECTED STUDIES:

1. Review of the literature and case study of Bilateral Osteomyelitis Humeri in a sickle cell patient.
(Presented to the Department of Pediatrics, Obafemi Awolowo University, Ile-Ife, Nigeria)
2. Review of the literature and case study of Schizophrenia at the Ife State Hospital in Nigeria.
(Submitted to the Department of Mental Health, Obafemi Awolowo University, Ile-Ife, Nigeria)
3. Food Taboos During Lactation - A dissertation that outlines the various food taboos during lactation in a rural community in Nigeria, and the effects of these on the nutritional and overall health status of the lactating mother and the suckling infant. (Submitted to the Department of Community Health and Nutrition, Obafemi Awolowo Univ., Ile-Ife, Nigeria)
4. Characterization and analysis of the structural and functional properties of fetal and adult porcine platelets; Role of fetal platelets in wound healing, May 1996 (Ph.D. Thesis; Submitted to the Department of Anatomy, Virginia Commonwealth Univ., Richmond, VA Advisors: Jack L Haar, PhD and Robert F. Diegelmann, PhD.)

Lectures and Presentations

March 1994	<u>Fetal Platelets and Scarless Healing</u> . The Inaugural John M. Templeton Jr. MD Symposium on Pediatric Surgery, Richmond, VA.
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- May 1994 Fetal platelets: Their activity and possible role in scarless healing. 4th Annual Scientific Meeting of the Wound Healing Society, San Francisco, California
- Oct. 1994 Fetal pig serum contains lower levels of TGF- β 1, TGF- β 2 and PDGF-AB: A possible explanation for reduced scarring in the fetus. 80th Annual Clinical Congress of the American College of Surgeons, Chicago, IL
- April 1995 Unique fetal platelet characteristics and scarless healing. 25th Annual Meeting of the Humera Society, Hilton Head, SC
- May 1995 Platelet cytokine release modulates the inflammatory response following fetal wounding. 26th Annual Meeting of the American Pediatric Surgical Association, Boca Raton, FL
- July 1995 Fetal Wound Healing. Invited participant at the Gordon Research Conference on Wound Repair, New London, New Hampshire
- Oct. 1995 Effects of conditioned medium from activated monocytes on the collagen metabolism of adult rabbit fibroblasts. 81st Annual Clinical Congress of the American College of Surgeons, New Orleans, Louisiana
- Nov. 1995 Do fetal platelets influence scarless healing? Grand Rounds, Department of Microbiology and Immunology, Medical College of Virginia, Richmond, Virginia
- Feb. 1996 Collagen Induces Cytokine Release in Fetal Porcine Platelets. 38th Annual University Residents' Conference by the Society of University Surgeons, Washington, DC
- Feb. 1996 An overview of fetal wound healing. Pediatric Research Conference, Medical College of Virginia, Richmond, Virginia
- Aug. 1996 Collagen Induces Cytokine Release by Fetal Porcine Platelets: Implications in Scarless Healing. 28th Annual Canadian Association of Paediatric Surgeons Meeting, Halifax, Nova Scotia
- Oct. 1996 Glycosaminoglycans Modulate Fetal Platelet Function: Implications in Scarless Healing. 82nd Annual Clinical Congress of the American College of Surgeons, San Francisco, CA
- Oct. 1996 Hyaluronic Acid Inhibits Fetal Platelet Function: Implications in Scarless Repair. 48th Annual Meeting of the Section on Surgery of the American Academy of Pediatrics, Boston, MA

- May 1998 Gastric Division: A Surgical Adjunct in the Management of Spontaneous Gastric Rupture. Presented at the Annual Meeting of the Virginia Surgical Society, Hot springs VA
- Sept. 1999 Prenatal Diagnosis and Management of Congenital Lobar Emphysema. Presented at the 31st Annual Meeting of the Canadian Association of Paediatric Surgeons, Montreal, CANADA
- Sept. 1999 Fetal Demise in Monochorionic Twins Discordant for Sacrococcygeal Teratoma. Presented at the 31st Annual Meeting of the Canadian Association of Paediatric Surgeons, Montreal, CANADA
- Sept. 2000 Fetal Wound Healing Update. Tissue Repair Symposium 2000, Richmond, VA
- Jan. 18 2002 Fetal Surgery Update. Grand Rounds Presentation, Texas Woman's Hospital, Houston, Texas
- Aug. 14 2002 Fetal Surgery Update. Ben Taub General Hospital OB/GYN Prenatal Genetics Conference, Houston, Texas
- Oct. 28 2002 Pushing the Frontiers of Surgery: Fetal Surgery. General Surgery Flight, Wilford Hall Medical Center, Lackland Air Force Base, Texas.
- Nov 01, 2002 In-Utero Surgical Intervention for Congenital Structural Anomalies: Neonatology Flight, Wilford Hall Medical Center, Lackland Air force Base, Texas.
- Nov 28 2002 Fetal Surgery: Pushing the Frontiers of Surgery. Houston Surgical Society, Houston, Texas
- Dec. 12 2002 Update on Fetal Surgery. Grand Rounds Presentation, Schneider Children's Hospital, Long Island Jewish Medical Center, New Hyde Park, New York
- March 13, 2003 Fetal Surgery for Congenital Structural Anomalies. Pediatrics Grand Rounds, Texas Children's Hospital, Houston, Texas.
- April 30, 2003 Age-dependent variations in endothelial function. 22nd International Fetal Medicine and Surgery Society Meeting, Zermatt, Switzerland.
- May 14, 2003 Fetal Surgery for Congenital Structural Anomalies. Surgery Grand Rounds, University of Texas Medical Branch at Galveston, Texas.
- July 11, 2003 Overview of Fetal Surgery. Pediatrics Grand Rounds, University of Texas Medical Branch at Galveston, Texas.

- Oct. 16 2003 Scarless healing and the fetal inflammatory response. 20th Annual Meeting of the Robert Wood Johnson Foundation Minority Medical Faculty Development Program, Baltimore, Maryland.
- Mar. 14, 2004 Differences in fetal vascular endothelial response at different periods in gestation. 23rd International Fetal Medicine and Surgery Society Meeting, Charleston, South Carolina.
- May 15, 2004 Ex-utero intrapartum therapy for giant neck masses. Humera Surgical Society Meeting, Richmond, Virginia.
- May 19, 2004 Scarless wound healing and the fetal inflammatory response. Visiting Professor, Department of Surgery, Cincinnati Children's Hospital, Cincinnati, Ohio.
- May 24, 2004 Lower Expression of p-selectin may modulate the fetal inflammatory response. Annual Meeting of the Wound Healing Society, Atlanta, Georgia
- August 1, 2004 Surgery before birth: Pushing the frontiers of surgery. Grand Rounds, Department of Surgery, University of Texas Health Sciences Center, San Antonio, TX.
- August 3, 2004 Surgical emergencies in the newborn. Neonatology Flight, Wilford Hall Medical Center, Lackland AFB, TX.
- November 8, 2004 Why Pediatric Surgery? Baylor Student Surgical Society. Baylor College of Medicine, Houston, TX.
- November 11, 2004 The Fetal Inflammatory Response and Scarless Wound Healing. Local Program, 38th Annual Meeting of the Association for Academic Surgery, Houston, TX.
- February 9, 2005 Ex-Utero Intrapartum Therapy for Congenital Airway Obstruction. Department of Pediatrics Grand Rounds, East Tennessee State University, Johnson City, TN.

BIBLIOGRAPHY:

Manuscripts:

- Olutoye OO**, Yager DR, Diegelmann RF, Cohen IK. Fetal pig platelets contain reduced levels of TGF- β 1, TGF- β 2, and PDGF-AB: A possible explanation for reduced inflammation in the fetus. *Surgical Forum* 1994; 45:755-757.

- Alaish SM, Bettinger DA, **Olutoye OO**, Gould LJ, Yager DR, Diegelmann RF, Cohen IK. Comparison of PVA and ePTFE (IMPRA) subcutaneous implants as models to evaluate wound healing potential in humans. *Wound Repair and Regeneration* 1995; 3:292-298.
- Olutoye OO**, Yager DR, Barone EJ, Diegelmann RF, Cohen IK: Effects of conditioned medium from activated monocytes on the collagen metabolism of adult rabbit fibroblasts. *Surgical Forum* 1995; 46:687-689.
- Olutoye OO**, Alaish SM, Carr Jr. ME, Paik M, Yager DR, Cohen IK, Diegelmann RF. Aggregatory characteristics and expression of the collagen adhesion receptor in fetal porcine platelets. *Journal of Pediatric Surgery* 1995;30(12):1649-53.
- Olutoye OO**, Yager DR, Cohen IK, Diegelmann RF. Lower cytokine release by fetal porcine platelets: a possible explanation for reduced inflammation following fetal wounding. *Journal of Pediatric Surgery* 1996;31(1):91-95.
- Olutoye OO**, Barone EJ, Uchida T, Yager DR, Cohen IK, and Diegelmann RF: Glycosaminoglycans modulate platelet function: Implications in scarless healing. *Surgical Forum* 1996; 47:772-774.
- Barone EJ, **Olutoye OO**, Yager DR, Pozez AL, Midha M, Diegelmann RF, and Cohen IK: Interleukin-1 α and collagenase levels in acute and chronic wounds. *Surgical Forum* 1996; 47:777-779.
- Olutoye OO**, and Cohen IK. Fetal Wound Healing: An overview. *Wound Repair and Regeneration* 1996; 4(2):66-74.
- Alaish SM, **Olutoye OO**, Yager DR, Cohen IK, Diegelmann RF.: Transforming growth factor-beta1 reduces expansion of open wounds in the fetal rabbit. *Wound Repair and Regeneration* 1996;4:477-481.
- Nwomeh BC, **Olutoye OO**, Diegelmann RF, and Cohen IK.: Biology of Wound Healing. *Journal of Surgical Pathology* 1997;2:1-19.
- Olutoye OO**, Barone EJ, Yager DR, Cohen IK, and Diegelmann RF.: Collagen induces cytokine release by fetal platelets. *Journal of Pediatric Surgery* 1997;32(6):827-30.
- Olutoye OO**, Barone EJ, Uchida T, Yager DR, Cohen IK, and Diegelmann RF: Hyaluronic acid inhibits fetal platelet function: Implications in scarless healing. *Journal of Pediatric Surgery* 1997;32(7):1037-40.
- Yager DR, Chen SM, Ward S, **Olutoye OO**, Diegelmann RF, and Cohen IK.: The ability of chronic wound fluids to degrade peptide growth factors is associated with increased levels of elastase activity and diminished levels of proteinase inhibitors. *Wound Repair and Regeneration* 1997;5:23-32.

- Barone EJ, Yager DR, Pozez AL, **Olutoye OO**, Crossland MC, Diegelmann RF, and Cohen IK: Interleukin-1alpha and collagenase activity are elevated in chronic wounds. *Plastic and Reconstructive Surgery* 1998;102(4):1023-7.
- Whiddon DR, **Olutoye OO**, Broderick TJ, Mills AS, Turner MA, Zfass AM, and Sugerman HJ. Recurrent acute pancreatitis caused by a gastric duplication communicating with an aberrant pancreas. *American Surgeon* 1999;6(2):121-4.
- Olutoye OO** and Adzick NS. Fetal Surgery for Myelomeningocele. *Seminars in Perinatology* 1999;23(6):462-73.
- Milner R, Kitano Y, **Olutoye OO**, Flake AW, Adzick NS. Radiofrequency thermal ablation: A potential treatment for hydropic fetuses with a large chest mass. *Journal of Pediatric Surgery* 2000; 35(2):386-9.
- Walsh DS, Hubbard AM, **Olutoye OO**, Howell LJ, Crombleholme TM, Flake AW, Johnson MP, and Adzick NS. Assessment of fetal lung volumes and liver herniation with magnetic resonance imaging in congenital diaphragmatic hernia. *American Journal of Obstetrics and Gynecology* 2000;183(5):1067-9.
- Olutoye OO**, Coleman BG, Hubbard AM, and Adzick NS: Prenatal Diagnosis and Management of Congenital Lobar Emphysema. *Journal of Pediatric Surgery* 2000; 35(5):792-5
- Olutoye OO**, Johnson MP, Coleman BG, Crombleholme TM, Adzick NS, Flake AW: Abnormal umbilical cord Dopplers may predict impending demise in fetuses with sacrococcygeal teratoma. A report of two cases. *Fetal Diagnosis and Therapy* 2003; 18(6):428-31.
- Glick RD, Hicks MJ, Nuchtern JG, Wesson DE, **Olutoye OO**, Cass DL: Renal tumors in infants less than 6 months of age. *Journal of Pediatric Surgery* 2004; 39(4):522-5.
- Suell MN, Horton TM, Dishop MK, Mahoney DH, **Olutoye OO**, Mueller BU: Outcomes of children with gallbladder abnormalities and sickle cell disease. *Journal of Pediatrics* 2004 Nov; 145(5):617-21
- Olutoye OO**, Zhu X, Cass DL, Smith CW: Neutrophil recruitment by fetal porcine endothelial cells: Implications in scarless fetal wound healing. Submitted. – Pediatric research
- McMahon CJ, Taylor MD, Cassady CI, **Olutoye OO**, Bezold LI: Diagnosis of ectopia cordis and pentalogy of Cantrell in the fetus. Submitted – Pediatrics.
- Miniati DN, Chintagumpala M, Langston C, **Olutoye OO**, Nuchtern JN, Cass DL: Prenatal diagnosis and outcome of children with pleuropulmonary blastoma. Submitted – JPS
- Freysdottir D, **Olutoye OO**, Langston C, Fernandes CJ, Tatevian N: Spontaneous pulmonary interstitial emphysema in a term unventilated infant. Submitted – Pediatric pulmonology

Abstracts:

- Olutoye, O.**, Alaish, S., Paik, M., Yager, D., Cohen, I., Carr, M., Diegelmann, R. Fetal platelets: their activity and possible role in scarless healing. *4th Annual Scientific Meeting of the Wound Healing Society, San Francisco, California, May 1994.*
- Alaish SM, **Olutoye OO**, Yager D, Diegelmann RF, Cohen IK. Transforming growth factor- β induces contraction in open wounds in the fetal rabbit. *4th Annual Scientific Meeting of the Wound Healing Society, San Francisco, California, May 1994.*
- Olutoye OO**, Yager DR, Cohen IK, Diegelmann RF. Fetal pig serum contains lower levels of TGF- β 1, TGF- β 2 and PDGF-AB: A possible explanation for reduced scarring in the fetus. *80th Annual Clinical congress of the American College of Surgeons, Chicago, IL, October 1994.*
- Alaish, SM, Bettinger, DA, **Olutoye, OO**, Gould, LJ, Yager, DR, Diegelmann, RF, Cohen, IK Comparison of PVA and ePTFE(impra) subcutaneous implants as models to evaluate wound healing potential in humans. *80th Annual Clinical Congress of the American College of Surgeons, Chicago, IL, October, 1994.*
- Olutoye O**, Yager D, Cohen I, Diegelmann R. Platelet cytokine release modulates the inflammatory effect following fetal wounding. *26th Annual Meeting of the American Pediatric Surgical Association, Boca Raton, FL, May 1995.*
- Olutoye OO**, Alaish SM, Paik M, Yager DR, Cohen IK, Carr ME, Diegelmann RF. Fetal Platelets: their activity and possible role in scarless healing. *Pediatric Research 1994, 35:37A*
- Alaish S, **Olutoye O**, Yager D, Diegelmann R, Cohen I. Transforming growth factor- β induces closure of open wounds in the fetal rabbit. *Wound Repair and Regeneration 1994;2:72.*
- Barone EJ, **Olutoye OO**, Crossland MC, Meyer-Ingold W, Yager DR, Diegelmann RF, Cohen IK. Interleukin-1 α levels and collagenase activity pre and post cutinova cavity treatment in chronic wounds. *5th Annual European Wound Healing Society Meeting, Padua, Italy, Sept. 1995.*
- Olutoye OO**, Nwomeh BC, and Bagwell CE.: Gastric Division: A Surgical Adjunct in the Management of Spontaneous Gastric Rupture. *Annual Meeting of the Virginia Surgical Society, Hot springs VA, May 1-3, 1998.*
- Olutoye OO**, Coleman BG, Hubbard AM, and Adzick NS: Prenatal Diagnosis and Management of Congenital Lobar Emphysema. *31st Annual Meeting of the Canadian Association of Paediatric Surgeons, Montreal, CANADA, September 23 – 26, 1999.*
- Olutoye OO**, Coleman BG, Adzick NS and Flake AW: Fetal Demise in Monochorionic Twins Discordant for Sacrococcygeal Teratoma. *31st Annual Meeting of the Canadian Association of Paediatric Surgeons, Montreal, CANADA, September 23 – 26, 1999.*

Walsh DS, Hubbard AM, **Olutoye OO**, Howell LJ, Crombleholme TM, Flake AW, Johnson MP, and Adzick NS. Assessment of fetal lung volumes and liver herniation with magnetic resonance imaging in congenital diaphragmatic hernia. *Society of Maternal Fetal Medicine Annual Meeting, Miami, FL February 3, 2000*

Cass DL, **Olutoye OO**, Adam K, Brandt ML: Successful use of “minimally invasive repair” of gastroschisis. 20th International Fetal Medicine and Surgery Society Meeting, Kruger, South Africa, October 1-5, 2001

Cass DL, **Olutoye OO**, Adam K, Coleman BG, Hubbard AM, Adzick NS: Prenatal diagnosis and management of congenital lobar emphysema. 21st International Fetal Medicine and Surgery Society Meeting, Quebec, Canada, September 1-4, 2002.

Olutoye OO, Zhu X, Cass DL, Smith CW: Age-dependent variations in endothelial function. 22nd International Fetal Medicine and Surgery Society Meeting, Zermatt, Switzerland, April 27-30, 2003.

Olutoye OO, Smith CW: Scarless healing and the fetal inflammatory response. 20th Annual Meeting of the Robert Wood Johnson Foundation Minority Medical Faculty Development Program, Baltimore, MD October 16, 2003.

Olutoye OO, Zhu X, Cass DL, Smith CW: Differences in fetal vascular endothelial response at different periods in gestation. 23rd International Fetal Medicine and Surgery Society Meeting, Charleston, SC March 14-17, 2004

Freysdottir D, **Olutoye OO**, Fernandes CJ, Tatevian N: Air leak phenomenon in a term infant. Association of Clinical Scientists' Meeting, Houston, TX. May 12 – 16, 2004

Zhu X, Cass DL, Smith CW, **Olutoye OO**: Lower expression of P-selectin may modulate the fetal inflammatory response. 14th Annual Wound Healing Society Meeting, Atlanta, GA, May 23 – 26, 2004.

Olutoye OO, Zhu X, Cass DL, Smith CW: Impaired neutrophil recruitment by fetal endothelial cells: Implications in scarless fetal wound healing. 35th Annual Meeting of the American Pediatric Surgical Association, Sawgrass, Ponte Verde, FL. May 26 – 30, 2004

Zhu X, Smith CW, Cass DL, **Olutoye OO**: Contributions of fetal leukocytes and endothelial cells to scarless fetal wound healing. 90th Clinical Congress of the American College of Surgeons, New Orleans, LA. Oct 10-14, 2004

Miniati DN, Chintagumpala M, Langston C, **Olutoye OO**, Nuchtern JN, Cass DL: Prenatal diagnosis and outcome of children with pleuropulmonary blastoma. 36th Annual Meeting of the American Pediatric Surgical Association, Phoenix, AZ May 29-June 1, 2005

Monographs and Chapters

Olutoye OO, Walsh DS, Adzick NS: Manual for Fetal Surgery Fellows. For use at The Children's Hospital of Philadelphia, Philadelphia, PA 1999.

Olutoye OO, Bellah R, Stafford P: Pediatric applications of ultrasound. In: Ultrasound for Surgeons. Heidi Frankel (ed.), Landes Bioscience 2004

Editorial Service:

Grant reviewer - Jeffress Research Grant from the Thomas F. and Kate Miller Jeffress Memorial Trust – 2002 – present

Invited Reviewer – Cytokine - 2005