| **Name** | **Titles** |
|---|---|
| Ernest Richard (Dick) Greene | Professor of Engineering and Biology, NMHU<br>Research Professor of Engineering and Medicine, UNM<br>Rugby Coach, NMHU |

| **Place of Birth** | **Nationality** |
|---|---|
| Albuquerque, New Mexico | U.S. Citizen |

| **Education** | **Degree** | **Year** | **Field** |
|---|---|---|---|
| Rice University, Houston, Texas | B.S. | 1970 | Mechanical Engineering |
| Rice University, Houston, Texas | MME. | 1971 | Mechanical Engineering |
| Colorado State University, Ft. Collins | Ph.D. | 1975 | Mechanical/Bioengineer |

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**Language Ability**: English, Spanish, Portuguese, some German.

**Experience (Last/highest position given)**

| | |
|---|---|
| 1971-1972 | Project Engineer, Offshore Construction, Brown and Root, Inc., Bahrain, England, and Abu Dabi |
| 1972-1973 | Construction/Combat Engineer, First Lieutenant, Platoon Leader, U.S. Army Corps of Engineers, 34th Engineering Battalion, Virginia and Kansas, Honorable Discharge |
| 1973-1975 | Graduate Research Assistant, Mechanical/Biomedical Engineering, Colorado State University, Ft. Collins |
| 1976-1978 | Visiting Professor of Biomedical Engineering, University of Brazil, Rio de Janeiro, and University of Chile, Santiago |
| 1978-1991 | Director, Cardiovascular Laboratory, Lovelace Institutes, Albuquerque, New Mexico |
| 1983 | Visiting Professor of Medicine, Medical Ultrasound Society of China, Beijing and Shanghai, Peoples Republic of China. |
| 1985-1986 | Visiting Professor of Medicine, NIH Fogarty International Fellow, Green Lane Hospital, University of Auckland, New Zealand |
| 1988-1990 | Visiting Scientist, Denali Medical Research Project, Anchorage, Alaska |
| 1991-1998 | Professor of Engineering, Chair, Engineering Program, New Mexico Highlands University, Las Vegas, New Mexico |
| 1993-1995 | Visiting Scientist, Leh Regional Hospital, Ladakh, India |
| 1994-1998 | Director, NIH Programs, New Mexico Highlands University, Las Vegas, New Mexico |
| 1996-1998 | Visiting Professor, Sustainable Resource Development Program, Luna Vocational Technical Institute, Las Vegas, New Mexico |
| 1978-1991 | Senior Scientist, Lovelace Institutes, Albuquerque, New Mexico |
| 1997-Present | Visiting Professor of Engineering and Medicine, University of Copenhagen, Denmark |
| 1998 | Visiting Scientist, EV-K2-CNR Project, Pyramid, Mt Everest Region, Nepal |
| 2002 | Visiting Professor of Engineering/Biology, NM Tech, Socorro, NM. |
| 2008 | Visiting Professor of Bioengineering, University of Canterbury, Christchurch, New Zealand |
| 2008 | Visiting Professor of Engineering, Polytechnic University of Namibia, Windhoek, Namibia |

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| 2008 | Visiting Scientist, San Andres SOM, La Paz, Bolivia. |
| 1992-Present | Professor of Engineering and Biology, Dept. of Biology and Chemistry, and Dept. of Computer and Mathematical Sciences (Joint Appointment) New Mexico Highlands University, Las Vegas, NM |
| 1982-Present | Research Professor of Engineering and Medicine, UNMSOM/SOE, Albuquerque, NM |
| 2014-2015 | Visiting Professor of Engineering and Medicine, NUST, Windhoek, Namibia |

**Professional Appointments, Honors, and Awards**

Institutional Valedictorian and Scholar/Athlete of the Year - New Mexico Military Institute, 1966
Member- Alumni Hall of Fame, New Mexico Military Institute, 2007
Academic Full Scholarship - Rice University, 1966-71
Dean's List - Rice University, 1968-71
Honor Graduate - U.S. Army Engineer School, 1972
Lovelace Foundation Outstanding Investigator Award, 1981
Research Review Committee - American Heart Association, 1984-1997
NIH Fogarty Senior International Fellowship, 1985-1986
National Young Investigator Award - American Academy of Orthopedic Surgery, 1986
Chair- Institutional Review Board, Lovelace Institutes, 1986-1988
Invited Player- New Zealand Invitational Rugby Club "Barbarians", 1986
Editorial Board - Journal of Ultrasound in Medicine, 1981-2001
National Chairperson - Cardiology Section - American Institute Ultrasound in Medicine, 1993-2001
Ivan Hilton Award - NMHU Outstanding Service, 1994
Medical Volunteer of the Year - American Heart Association, 1995
Chair - Research Committee - American Heart Association Affiliate, 1993-1995
Board of Governors Nominee - American Institute of Ultrasound in Medicine, 1994
Chair - Research Committee - American Heart Association, 1995-1997
Board of Directors - American Heart Association Affiliates, 1996-1998
NIH Study Section Member 1992-2004
Invited Lecture: Danish Royal Academy of Science, 2000
Visiting Professor of the Year, University of Copenhagen, 2008
Board of Directors, USA Rugby Trust- Present
Chaired numerous faculty committees
Invited Lecturer> 64 times worldwide

**Reviewer**

Circulation
American Journal of Cardiology
Hypertension
Journal of Clinical Ultrasound
American Journal of Physiology
Kidney International
IEEE Transactions in Biomedical Engineering
American Journal of Obstetrics & Gynecology
New England Journal of Medicine
Ultrasound in Medicine and Biology
American Heart Journal
Journal of Biomechanics
Journal of Experimental Physiology
Journal of Applied Physiology
American Heart Association
Aviation, Space, and Environmental Medicine
IEEE Transactions in Medical Imaging
Journal American Medical Association

**Courses/Labs Taught** (COPPE/UFRJ, NMHU, LCC, NMT, UNM, NUST, U of Copenhagen)
Student evaluations: Outstanding; Taught >135 courses in 40 years (1976-2015
Research Students Mentored/Committees: 58 Senior Projects; 32 MS; 16 PhD; 5 MD

Algebra Physics
Calculus Physics 1 and 2
Introduction to Engineering
Vector Mechanics: Static
Vector Mechanics: Dynamics
Fluid Dynamics
Thermodynamics
Transport Phenomena
Environmental Engineering
Sustainable Resource Development
Experimental Methods and Statistics
Senior Design
Introduction to Bioengineering
Research Methods for Life Scientists
Medical Ultrasonics
Cardiovascular Physiology
Hemodynamics
Biology for Life Scientists
Biology for Non-Scientists
Seminars in Life Sciences
Clinical Instrumentation
Human Anatomy and Physiology
Engineering Design
Appropriate Technology
Elementary Physics
Freshman Seminar
Survey of Bioengineering

**Affiliations (past and present)**
ASME
Biophysical Society of America
Texas Professional Engineer
Founding Member of the Brazilian Biomedical Engineering Society
Founding Member of the Brazilian Ultrasound in Medicine Society
American Heart Association
Alliance for Engineering in Medicine and Biology
American Institute Ultrasound in Medicine
Physics in Medicine and Biology
American Physiological Society
Sandia National Laboratory
General Electric
Siemens Medical
Hewlett-Packard
Advanced Technology
Laboratories
Unigon Industry
Cardionics
Cardiovascular Devices
NASA
Acuson
US Patents 1980, 1995, 1996

**Research Grants Funded**

1. World Health Organization- Principal Investigator; Medical Ultrasonics in Brazil $70,000; 1977-1978.
2. DOE.SNL- Co-Investigator; Automatic Stress/Duress Monitor; $22,000; 1978-1979.
3. American Heart Association - New Mexico Affiliate - Co-Investigator; Dopplercardiographic assessment of aortic stenosis; $17,000; 1979-1980.
4. Veteran's Administration Merit Review - Co-Investigator; Dopplercardiographic assessment of mitral and aortic valve disease; $152,000; October, 1979 - October 1980.
5. NIH - RO1, Principal Investigator; Noninvasive characterization of transpulmonic flow; $116,354; August 1, 1980 - June 31, 1982.
6. American Heart Association New Mexico Affiliate - Principal Investigator; Noninvasive assessment of left main coronary artery blood low; $18,465; July 1, 1980 - June 30, 1981.
7. NIH - RO1, Principal Investigator; Noninvasive studies of pulmonary blood flow; $128,000; November 1982 - October 1984.
8. NIH - RO1, Principal Investigator; Noninvasive studies of coronary artery blood flow; $422,836; August 1, 1981 - July 31, 1984.

9. Orthopedic Research and Education Foundation - Co-Investigator; Arterial blood flow measurements in the adult upper extremity; $20,253; April 1, 1981 - March 31, 1983.
10. American Heart Association New Mexico Affiliate - Co-Investigator; In Vivo velocity measurements using velocimeter Catheters; $7,812; July, 1982 - June, 1983.
11. Veteran's Administration Merit Review - Co-Investigator; Noninvasive studies of renal blood flow; $63,000; October, 1982 - October, 1984.
12. American Heart Association New Mexico Affiliate - Co-Investigator; Effects of exercise on myocardial perfusion and function; $6,756; July, 1983 - June, 1984.
13. American Heart Association New Mexico Affiliate - Co-Investigator; Doppler detection of abnormal left ventricular relaxation; $12,108; July, 1983 - June, 1984.
14. American Heart Association New Mexico Affiliate - Co-Investigator; Echo-Doppler estimation of cardiac output three methods evaluated; $8,100; July, 1983 - June, 1984.
15. NIH - RO1, Co-Investigator; Noninvasive studies of upper extremity blood flow; $112,000; November, 1983-October, 1986.
16. NIH - Fogarty Senior International Fellowship; Doppler-echocardiography in New Zealand; $35,000; September, 1985 - September, 1986.
17. American Academy of Orthopedic Surgeons - Young Investigators Award; Pulsed Doppler Velocimetry in the assessment of micro-vascular hemodynamics; $5000; November, 1985.
18. Clinical Research Center/UNM - Co-Investigator; Age-related differences in human regional blood flow; $6,000, June, 1987 - June, 1988.
19. American Federation of Aging Research - Principal Investigator; Age-related differences in human regional blood flow; $25,000, August, 1988 - August, 1989.
20. Clinical Research Center/UNM - Co-Investigator; Human regional blood flow during acute renal failure; $6,000, June, 1988 - June, 1989.
21. American Heart Association New Mexico Affiliate - Co-Investigator; Age-related differences in cerebral blood flow during exercise; $11,976; June, 1989-June 1990.
22. Clinical Research Center/UNM - Co-Investigator; autoregulation of cerebral blood flow in patients on hemodialysis; $6,000, January-June 1990.
23. American Heart Association - Co-Investigator; Effects of high altitude pulmonary edema on pulmonary hemodynamics; $28,000, June 1989-June 1991.
24. NIH/CRC/UNM - Co-Investigator; Catecholamine regulation of ketogenesis $8000, January-Dec. 1991.
25. NASA - Co-Investigator; Interaction of hypoxia and simulated microgravity; $88,000, October 1990-April 1992.
26. NIH/CRC/UNM - Co-Investigator; Effects of nasal continuous positive on human cardiac output and cerebral blood flow; $4000, June 1991-December 1991.
27. NASA - Co-Investigator; In-suit Doppler system for EVA; $17,000, June 1991-December 1991.
28. NIH/CRC/UNM - Co-Investigator; Acute hemodynamic effects of recombinant human erythropoietin; $4800, October 1991 - March 1992.
29. NIH/CRC/UNM - Co-Investigator; Effects of lower body negative pressure on human renal blood flow; $4,800; January 1992-August 1992.
30. NSF/CIMD - Principal Investigator; Noninvasive human blood flow measurements; $1875; January 1992 - June 1992.
31. NSF/CIMD - Principal Investigator; Signal analysis of Doppler flowmetry; $1938; September 1992-December 1992.
32. NSF/CIMD - Principal Investigator; Doppler spectrum analysis, phase II; $1092; Jan. 1993-June 1993.
33. NMHU Faculty Research Fund; Simplified method for estimation of human peripheral blood flows using Doppler flowmetry; $400; January 1993-June 1993.

34. NASA - Collaborator; An integrated approach to engineering education in a rural community; $148,708; January 1993-December 1994.
35. NIH - Program Director; Biomedical student mentorship in northern New Mexico; $307,701; October 1994-September 1996.
36. NIH - Program Director; Biomedical student mentorship in northern New Mexico; $517,255; October 1996-September 1999.
37. NIH - Principal Investigator; Age-related differences in human regional blood flows; $291,689; August 1996 - June 2000.
38. NIH - Program Director; MBRS at NMHU; $1,886,430; August 1996 - June 2000.
39. NSF - Program Director, AMP at NMHU, $43,500, January 1996 - December 1996.
40. NIH - Program Director, Equipment enhancement at NMHU, $254,000, January 1997 - December 1997.
41. NSF - Program Director, AMP at NMHU, $65,000, January 1997 - December 1997.
42. NSF - Program Director, AMP at NMHU, $39,000, January 1998 - December 1998.
43. NIH - RO1, Collaborator; Effects of barometric pressure and hypoxia on human ventilation and fluid homeostasis; $700,974; April 1996 - March 1999.
44. NSF - Principal Investigator, Pulmonary vascular impedance, $ 2638; January 1997 - June 1997.
45. NIH - Program Director, MBRS Supplemental; $752,627; August 1998 - July 2000.
46. NIH - RO1, Consultant; Oxygen transport and utilization: the effect of age, $1,656,502; 05/01/00-04/30/05, UCSD July 2001-July 2005.
47. AHA- GIA, Consultant; Skeletal muscle blood flow and metabolism in congestive heart failure. $72,500; UCSD. Jan 2001- Jan 2004.
48. NIH-RO1, Principal Investigator, Age-related differences in human regional hemodynamics in children and octogenarians, $1,037,811; in revision, 2016.
49. NIH- RO1-HL04722-01, Collaborator, Mechanisms of stroke in Libman-Sacks (Lupus) Endocarditis. 07/01/05-0731/13, $2,866,876, Funded, 2006-14, currently writing competitive renewal for best therapy.

**Books**

1. Altobelli SA, Voyles WF, Greene ER, eds. Cardiovascular Ultrasonic Flowmetry. New York: Elsevier, North Holland, 1985.
2. Freeman S, Fukushima E, Greene ER, eds. Noninvasive Techniques in Biology and Medicine. San Francisco: San Francisco Press, 1990.

**Chapters in Books**

1. Eldridge MH, Berman W, Greene ER, Hartley C, Yabek S. Noninvasive pulsed Doppler blood flow measurements in normal and premature newborn infants. In: Rolfe P, ed. Fetal and Neonatal Physiological Measurements. London: Pitman Medical, 1981.
2. Greene ER. Noninvasive measurement of blood flow using pulsed Doppler ultrasound. In: Loeppky JA, Riedesel ML, eds. Oxygen Transport to Human Tissues. New York: Elsevier, North Holland, 1981:133-50.
3. Loeppky JA, Greene ER, Hoekenga DE, Mathews EC, Luft UC. Instantaneous stroke volume in exercising man measured by pulse Doppler echocardiography. In: Kenner T, Busse R, Hinghofes-Zalkay H, eds. Cardiovascular System Dynamics: Models and Measurements. New York: Plenum Press, 1982.
4. Greene ER, Eldridge MW, Voyles WF, Miranda FG, Davis JG. Quantitative evaluation of atherosclerosis using Doppler ultrasound. In: Bond MG, Insull W, Glagov S, Chandler AB, Cornhill F, eds. Clinical Diagnosis of Atherosclerosis. New York: Springer-Verlag, 1983.
5. Avasthi PS, Voyles WF, Greene ER. Noninvasive diagnosis of renal artery stenosis and renal vein thrombosis by Doppler velocimetry. In: Gordon ES, ed. Advances in Noninvasive Nephrology.

London: John Libbey and Co., 1986.

6. Voyles WF, Avasthi PS, Greene ER. Noninvasive hemodynamic characterization of normal renal vascular systems using Doppler ultrasound. In: Gordon ES, ed. Advances in Noninvasive Nephrology. London: John Libbey and Co., 1986.
7. Greene ER. Noninvasive Doppler studies of human regional blood flow. In: Kennedy WA, ed. Progress in Cardiology, Medical Publishing Enterprise, November 1989.
8. Greene ER. Physical principles of Doppler flowmetry. In: Ferretti G, Salamone A, eds. Clinical Ultrasound: Recent Progress and Future Prospectives. New York: Elsevier, North Holland, 1989.
9. Tawney KW, Greene ER. Physical principles of Doppler flowmetry. In: Freeman S, Fukushima E, Greene ER, eds. Noninvasive Techniques in Biology and Medicine. San Francisco: San Francisco Press, 1990.
10. Johnson EC, Greene ER. Practical aspects of ultrasonic Doppler flowmetry. In: Freeman S, Fukushima E, Greene ER, eds. Noninvasive Techniques in Biology and Medicine. San Francisco: San Francisco Press, 1990.
11. Avasthi PS, Tawney KW, Greene ER. Noninvasive Doppler evaluation of human renal blood flow. In: Luscher TF, Kaplan NM, eds. Renovascular and Renal Parenchymatous Hypertension: Pathology, Diagnosis, and Management. New York: Springer-Verlag, 1992.
12. Avasthi PS, Greene ER. Future applications of Doppler ultrasound in renovascular disease. In: Luscher TF, ed. Renovascular Disease, Berlin, Springer-Verlag, 1995.

**Published Manuscripts in Peer-Reviewed Journals**

(*Papers in preparation for mainstream journals have been presented and abstracted at international meetings*)

1. Greene ER, Histand M, Miller C. Ultrasonic blood flow measurements: transcutaneous compared with implanted cuff. Instrument Society of America Transactions 1976;15:88-94.
2. Greene ER, Histand M. Ultrasonic assessment of simulated atherosclerosis. Phys Med Biol 1977; 22:146-7.
3. Greene ER, Jedlicka K, Machado J, Werneck M, Hartley C. Development of diagnostic Doppler ultrasonics in Brazil. J Bioengr 1978;2(3):299-332.
4. Greene ER, Histand MB. Ultrasonic assessment of simulated atherosclerosis-in vivo and in vitro comparisons. ASME J Biomech Eng 1978;101(1):73-81.
5. Tuttle WC, Davis JG, Greene ER. Development of an automated stress/duress detection system. Biomed Sci Instrum 1979;15:37-44.
6. Eldridge M, Greene ER, Berman W, Hartley C, Yabek S. Ultrasonic pulsed Doppler characterization of the human neonatal peripheral circulation. Biomed Sci Instrum 1979;15:77-90.
7. Greene ER, Richards KL, Nelson C, Davis J. Variable sample volume dimension in pulse Doppler echocardiography. Biomed Sci Instrum 1979;15:91-100
8. Davis JG, Richards KL, Greene ER. A sample volume tracking unit for pulsed Doppler echocardiography. IEEE Trans Biomed Eng 1979;BME-26(5):285-8.
9. Loeppky JA, Richards KL, Greene ER, Eldridge MW, Hoekenga DE, Venters MD, Luft UC. Instantaneous stroke volume in man during lower body negative pressure (LBNP). Physiologist 1979;22(6):S81-2
10. Greene ER, Blair WF, Hartley CJ. Noninvasive pulsed Doppler blood velocity measurement and calculated flows in human digital arteries. ISA Trans 1980;20:96-104.
11. Loeppky JA, Greene ER, Hoekenga DE, Venters MD, Eldridge MW. Aortic and tibial blood flow response to lower body negative pressure (LBNP). Physiologist 1980;23(6):S141-4.

12. Greene ER, Richards KL, Hoekenga DE, Davis JG. Pulsed Doppler echocardiographic audio spectrum analysis: time interval histogram versus multifilter spectrogram and fast Fourier transform. Biomed Sci Instrum 1980;16:134-44.
13. Eldridge MW, Greene ER, Miranda FG, Hartley CJ. Noninvasive pulsed Doppler blood velocity measurement in the human frontal arteries. Biomed Sci Instrum 1980;16:67-74.
14. Greene ER, Volpicelli N, French FB. Noninvasive estimation of normal and abnormal portal vein blood flow variables. J Ultrasound Med, 1981; 11-17.
15. Greene ER, Venters MD, Conn RL. Noninvasive characterization of normal and abnormal renal artery blood flow patterns using ultrasound echo-Doppler (duplex) scanning. Biomed Sci Instrum 1981;17:79-84.
16. Blair WF, Greene ER, Omer GE. A method for the calculation of blood flow in human digital arteries. J Hand Surg 1981;6(1):90-6.
17. Blair WR, Greene ER, Eldridge MW, Cipoletti R. Hemodynamics after microsurgical anastomosis: the effects of topical lidocaine. J Microsurgery 1981;2:157-64.
18. Loeppky JA, Greene ER, Hoekenga DE, Caprihan A, Luft UC. Beat-by-beat stroke volume assessment by pulsed Doppler in upright and supine exercise. J Appl Physiol 1981;50:1173-82.
19. Greene ER, Venters MD, Conn RL, Avasthi PS, Jahnke RW. Noninvasive characterization of renal artery blood flow. Kidney Int 1981;20:523-9.
20. Blair WF, Greene ER, Eldridge M, Cipoletti R. Hemodynamic response of small arteries to topical lignocaine. J Surg Res 1981;31:77-81.
21. Greene ER, Sutton MF, Johnson EC, Reilly PA. Noninvasive ultrsound Doppler measurements of common femoral artery blood flow variables during supine exercise. Biomed Sci Instrum 1982;18:51-65.
22. Voyles WF, Miranda IP, Greene ER, Reilly PA. Observer variability in serial noninvasive measurements of stroke index using pulsed Doppler flowmetry. Biomed Sci Instrum 1982;18:67-75.
23. Caprihan A, Greene ER, Loeppky JA, Eldridge MW, Davis JG. Waveform analysis of Doppler ultrasound signals by a microcomputer. IEEE Trans Biomed Eng 1982;29:138-42.
24. Greene ER, Eldridge MW, Voyles WF, Miranda FG, Davis JG. Noninvasive quantification of atherosclerosis using Doppler ultrasound. IEEE Trans Med Imaging 1982;1:36-52.
25. Blair WF, Gabel RH, Pederson DR, Greene ER. A method for programmed, rapid range control advance with the 20 MHz PUDVM. Biomed Sci Instrum 1983;19:25-28.
26. Sutton MF, Greene ER, Johnson EC, Reilly PA. Noninvasive echo-Doppler duplex measurement of common femoral artery blood flow variables during supine exercise and post- occlusion reactive hyperemia. ISA Trans 1983;22:47-57.
27. Avasthi PS, Greene ER, Scholler C, Fowler CR. Noninvasive diagnosis of renal vein thrombosis by ultrasonic echo-Doppler duplex flowmetry. Kidney Int 1983;23:882-7.
28. Greene ER. Medicion de flugo sanguineo por un metado no invasio. Revista Medica De Chile 1983;67:233-45.
29. Greene ER, Avasthi PS, RS Seigel, Voyles WF. Simultaneous invasive and noninvasive renal blood velocity and flow measurements using pulsed Doppler velocimeter. Biomed Sci Instrum 1984;20:25-30.
30. Voyles WF, Greene ER, Altobelli SA, Hartley CF. In vitro and in vivo studies using a 4F pulsed Doppler velocimeter catheter system. Biomed Sci Instrumen 1984;20:17-24.
31. Loeppky JA, Hoekenga DE, Greene ER, Luft UC. Comparison of noninvasive pulsed Doppler and Fick measurements of stroke volume in cardiac patients. Am Heart J 1984;107:339-46.
32. Eldridge MW, Berman W, Greene ER. Femoral blood flow in term and premature infants. J Ultrasound Med 1984;3:53-7.
33. Avasthi PS, Greene ER, Voyles WF, Eldridge MW. A comparison of echo-Doppler and electromagnetic renal blood flow measurements. J Ultrasound Med 1984;3:208-13.

34. Avasthi PS, Voyles WF, Greene ER. Noninvasive diagnosis of renal artery stenosis by echo-Doppler velocimetry. Kidney Int 1984; 25:562-71.
35. Raizada V, Schroeder K, Greene ER. Echo-Doppler angle determination for noninvasive transmitral blood velocity calculations in normal and porcine bioprosthetic mitral valves. ISA Trans 1984;23:11-5.
36. Greene ER. Noninvasive cardiovascular ultrasonic flowmetry. ASME J Bio Med Engr 1985; 108:47-48.
37. Shaw JG, Johnson EC, Greene ER, Voyles WF. Noninvasive Doppler determination of cardiac output during submaximal and peak exercise. J Appl Physiol 1985;559 (3):722-31.
38. Voyles WF, Altobelli SA, Fisher DC, Greene ER. A comparison of digital and analog of Doppler spectral analysis for quantifying flow. Ultrasound Med Biol 1985;ll(5):727-34.
39. Eldridge MW, Berman W Jr., Greene ER. Serial echo-Doppler measurements of human fetal abdominal aortic blood flow. J Ultrasound Med 1985;4:453-8.
40. Greene ER, Voyles WF. Noninvasive measurements of regional blood flow. Postgrad Med 1985;78(6)165-78.
41. Appenzeller O, Greene ER, Appenzeller M. Doppler common carotid and preauricular blood flows and resistance at altitude: a study of endurance-trained subjects. Ann Sports Med 1985;2(3):120-4.
42. Greene ER, Avasthi PS, Voyles WF, Seigel RS. Invasive and noninvasive pulsed Doppler measurement of renal blood velocity and flow. IEEE Trans Biomed Eng 1986;33:302-7.
43. Eldridge MW, Berman W, Greene ER. Chronic maternal cigarette smoking and fetal abdominal aortic blood flow in humans. J Ultrasound Med 1986;5:131-6.
44. Hauswald M, Greene ER. Aortic blood flow during sequential mast inflation. Ann Emerg Med 1986;15:1297-9.
45. Carn RM, Miranda IP, Greene ER. Femoral vein flow velocity for devices used in the prevention of deep vein thrombosis. Transactions of Orthopaedics 1986;10:322-7.
46. Greene ER, Caprihan A. Noninvasive Doppler measurements of human left main coronary artery blood flow. Biomed Sci Instrumen, 1987;23:69-76.
47. Graettinger WF, Greene ER, Voyles WF. Doppler predictions of pulmonary artery pressure, flow and resistance in adults. Am Heart J 1987;113:1426-37.
48. Avasthi PS, Greene ER, Voyles WF. Noninvasive Doppler assessment of human postprandial renal blood flow and cardiac output. Am J Physiol 1987;252:F1167-74.
49. Greene ER, Avasthi PS, Hodges JW. Noninvasive Doppler assessment of renovascular hypertension. J Clin Ultrasound 1987;15:653-659.
50. Blair WF, Brown TD, Greene ER. Pulsed ultrasound Doppler velocimetry in the assessment of microvascular hemodynamics. J Orthoped Res 1988;6:300-309.
51. Greene ER, Caprihan A, Davis JG. Human left main coronary artery blood flow: noninvasive Doppler echocardiography with sample volume tracking. ISA Trans 1988;27:43-50.
52. Jaffe WM, Roche ANG, Coverdale HA, McAlister HF, Ormiston JA, Greene ER. Clinical evaluation versus Doppler echocardiography in the quantitative assessment of valvular heart disease. Circulation 1988;78:267-275.
53. Johnson EC, Voyles WF, Sutton MF, Atterbom HA, Greene ER. Exercise training and common femoral artery blood flow in patients with intermittent claudication. Circulation 1989;80:III59-III72.
54. Greene ER, Avasthi PS. Effect of a high protein meal on blood flow to transplanted human kidneys. Transplantation 1989;48:584-587.
55. Johnson EC, Hudson TL, Greene ER. Left ventricular hemodynamics during exercise recovery. J Appl Physiol 1991;69(1):104-111.

56. Levine BD, Grayburn PA, Voyles WF, Greene ER, Roach RC, Hackett PH. Intracardiac shunting across a patent foramen ovule may exacerbate hypoxemia in high altitude pulmonary edema. Ann Intern Med 1991;114:569-570.
57. Huang SY, Tawney KW, Bender PR, Grover BM, McCullough RE, McCullough RG, Micco AJ, Manco-Johnson M, Cymerman A, Greene ER, Reeves JT. Internal carotid flow velocity with exercise before and after acclimatization to 4300 m. J Appl Physiol 1991;71(4):1469-1476.
58. Wood SC, Appenzeller O, Greene ER, Eldridge MW. Arterial oxygen saturation: effect of altitude and pentoxifylline. J Wilderness Med 1992;3:250-255.
59. Hackett PH, Roach RC, Hartig GS, Greene ER, Levine BD. The effect of vasodilators on pulmonary hemodymamics in high altitude pulmonary edema: A comparison. Int J Sports Med 1992; 13:568-671.
60. Cipoletti RD, Moneim MS, Greene ER. Hemodynamic comparison of microsurgical closures for longitudinal arteriotomies. Microsurgery 1993; 14:107-113.
61. Loeppky JA, Roach RC, Selland MA, Scotto P, Greene ER, Luft UC. Effects of prolonged head-down bedrest on physiological responses to moderate hypoxia. ASEM 1993; 64:275-286.
62. Cipoletti RD, Moneim MS, Greene ER. Hemodynamic comparison of microsurgical repair of large arterial defects. Microsurgery 1994; 15:579-585.
63. Montner PK, Greene ER, Murata GH, Stark DM, Timms M, Chick TW. Hemodynamic effects of nasal and face mask continuous positive airway pressure. Am J Respir Crit Care Med 1994; 149:1614-8
64. Malvin GM, Hicks JW, Greene ER. Central vascular flow patterns in the reptile. Am J Physiol. 1995; 269: R1133-R1139.
65. Freedman D, Kritz A, Greene ER, Boyle P, Schade DS. Differential effects of catecholamines on hepatic ketogenisis versus hepatic portal vein blood flow in man. Metabolism, 1996; 45(10):1214-1220.
66. Passino C, Bernardi L, Spadacini G, Calciati A, Robergs R, Anand I, Greene E, Martignoni E, Appenzeller O. Autonomic regulation of heart rate and peripheral circulation: comparison of high altitude and sea level residents. Clinical Science 1996; 91 Suppl:81-3.
67. Greene ER, Gonzalez S, Chacon S, Zou Y. Human phasic blood velocities in the posterior cranial circulation during submaximal exercise. Stroke 1996; 26:286-87.
68. Robergs RA, Icenogle MV, Hudson TL, Greene ER. Temporal inhomogeneity in brachial artery blood flow during forearm exercise. Med Sci Sports Exerc 1997; 28:1021-1027.
69. Roach RC, Greene ER, Schoene RB, Hackett PH. Arterial oxygen saturation for prediction of acute mountain sickness. ASEM, 1998; 69:1182-1185.
70. Bernardi L, Passino C, Robergs R, Greene ER. Cardiovascular autonomic modulation and activity of carotid baroreceptors at altitude. Clinical Science 1998; 95:565-573.
71. Hayward WA, Fritz KR, Greene ER. Human middle cerebral artery blood velocity during sexual intercourse. J Ultrasound Med; 2000; 19:871-876.
72. Montner P, Zou Y, Robergs R, Murata G, Quinn C, Greene ER. Mechanisms of glycerol induced fluid retention and heart rate reduction during exercise. J Appl Physiol 2004;
73. Schneider A, Greene ER, Keyl C, Bernardi L. Peripheral arterial vascular function at altitude: sea-level natives versus Himalayan high-altitude natives. J Hypertension 2001; 19:213-222.
74. Keyl C, Schneider A, Greene E, Passino C, Spadacini G, Bandinelli G, Bonfichi M, Arcaini L,L, Bernardi L. Effects of breathing control on cardiocirculatory modulation in Caucasian lawlanders and Himalayan Sherpas. Arbeitsphysiologie 2001; 83(6):481-6

76. Keyl C, Schneider A, Greene E, Passino C, Spadacini G, Bandinelli G, Bonfichi M, Arcaini L,L, Bernardi L. Effects of breaching control on cardiocirculatory modulation in Caucasian lawlanders and Himalayan Sherpas. Arbeitsphysiologie 2001; 83(6):481-6
77. Bonfichi M, Balduini A, Arcaini L, Lorenzi A, Marseglia C, Malcovati L, Bernardi L, Passino C, GSpandacini G, Feil P, Keyl c, Schneider A, Boiardi A, Bandinelli G, Greene E, Bernasconi C. Haemotological modications after acute exposure to high altitude: possible implications for detection of recombinant erythropoietin misuse. British Jornal of Haematology 2000, 109(4):895-6.
78. Greene ER, Diamond S, Saddler M, Avasthi PS. Validation of human renal blood flow by subtraction of noninvasive Doppler determined aortic blood flows. J Ultrasound Med 2004;
79. Gentles TL, Neutze JM, Calder AL, Greene ER. Cardiac output in neonates with complex congenital heart disease: validation of a simple, portable Doppler method. J Ultrasound Med 2001; 20:365-370.
80. Keyl C, Schneider A, Greene ER, Bernardi L. Effects of breathing control on cardiocirculatory modulation in Caucasion lowlanders and Himalayan Sherpas. Eur J Appl Physiol 2000; 83:481-486.
81. Hauswald M, Greene ER. Regional blood flow and pneumatic anti shock garment. Prehospital Emerg Care 2003:7:225-28.
82. Greene ER, Diamond S, Saddler M, Avasthi PS. Validation of human renal blood flow by subtraction of noninvasive Doppler determined aortic blood flows. J Ultrasound Med 2004;
83. Gentles TL, Neutze JM, Calder AL, Greene ER. Cardiac output in neonates with complex congenital heart disease: validation of a simple, portable Doppler method. J Ultrasound Med 2001; 20:365-370.
84. Keyl C, Schneider A, Greene ER, Bernardi L. Effects of breathing control on cardiocirculatory modulation in Caucasion lowlanders and Himalayan Sherpas. Eur J Appl Physiol 2000; 83:481-486.
85. Hauswald M, Greene ER. Regional blood flow and pneumatic anti shock garment. Prehospital Emerg Care 2003:7:225-28.
86. Greene ER, Roach RC. Invited paper: Doppler ultrasound determination on the distribution of human cardiac output: effects of age and physical stresses. Proceedings IEEE/EMB 2004; Sept: 3704-07.
87. Loshbaugh JE, Loeppky JA, Greene ER. Effects of acute hypobaric hypoxia on resting and postprandial superior mesenteric artery blood flow. High Altitude Medicine and Biology 2006; 7(1):47-53.
88. Bernardi L, Passino C, Spadacini G, Bonfichi M, Arcaini L, Malcovati L, Bandinelli G, Schneider A, Keyl C,Feil P, Greene E, Bernasconi C. Reduced hypoxic ventilatory response with preserved blood oxygenation in yoga trainees and Himalayan Buddhist monks at altitude: evidence of a different adaptive strategy? Arbeitsphysiologie 2007; 99(5):511-8.
89. Greene ER, Lanphere KR, Sharrar J, Roldan CA. Invited Paper: Arterial distensibility in systemic lupus erythematosus. IEEE/ EMBS 2009; Sept: 1109-1112.
90. Slessarev M, Prisman E, Ito S, Greene ER, Fisher JA et al. Differences in the control of breathing between Andean highlanders and lowlanders after 10 days acclimation. J of Physiology 2010; 588: 1607-1621.
91. Slessarev M, Prisman E, Ito S, Greene ER, Fisher JA et al. Differences in the control of breathing between Himalayan and sea level residents. J of Physiology 2010; 588:1591-1606.
92. Greene ER. Noninvasive transthoracic and transesophageal Doppler echocardiographic measurements of human coronary blood flow velocity: In vitro flow phantom validation. Invited paper, IEEE/ EMBS 2010; Sept: 3784-87.
93. Greene ER, Yonan K, Sharrar JA , Sibbitt WR, Roldan CA. Middle cerebral artery resistivity and pulsatility indices in systemic lupus erythematosus: evidence for hyperperfusion. Lupus 2011; 21:380-385.

94. Gasparovic C, Qualls C, Greene E, Sibbitt W, Roldan C. Blood pressure and vascular dysfunction underlie elevated cerebral blood flow in systemic lupus erythematosus. J of Rheumatology 2012; 39:752-758.
95. Roldan CA, Sibbitt WR, Qualls c, Jung R, Greene ER, Gasparovic C. Libman – Sacks endocarditis and embolic cerebrovascular disease. JACC 2013; 6: 973-83. (with editorial comment)
96. Fisher Balaban DY, Duffin J, Priess D, Mardimae, A, Vesely, A, Slessarev M, Greene ER, McLeod DB, JA. The *in vivo* oxyhaemoglobin dissociation curve at sea level and high altitude. Resp Phyiol Neurobiology 2013; 186: 45-42.
97. Roldan CA, Alomri IB, Awad K, Boyer NM, Qualls CR, Greene ER, Sibbitt WL. Aortic stiffness is associated with left ventricular diastolic dysfunction in systemic lupus erythematosus: a controlled transesophageal echocardiographic study. Clin Cardiol 2014; 37:83-90.
98. Yonan KA, Greene ER, Sharrar JM, Caprihan A, Qualls C, Roldan CA. Middle cerebral artery blood flow by combining TCD velocities with MRA diameters: In vitro and in vivo validations. Ultrasound Med Biol. 2014; 40(11):2692-2699.
99. Roldan CA, Macias L, Roldan PC, Greene ER, Qualls CR, Sibbitt WL. Lambi's excrescences: prevalence, embolic risk, and pathogenesis. In press, Clinical Cardiology 2015.
100. Roldan PC, Greene ER, Qualls CR, Sibbitt WL, Roldan CA. Aortic versus carotid stiffness in systemic lupus erythematosus. Am J Cardiology 2015, in review.
101. Roldan PC, Greene ER, Macias L, Qualls, CR, Sibbitt WL, Roldan CA. Premature aortic and carotid atherosclerosis in systemic lupus erythematosus: which one is first or greater? Rheumatolgy 2015, in review.

**Manuscripts in preparation for submission (abstracts presented and published nationally)**

1. Hayward WA, Fritz KR, Greene ER. Effects of a meal on the distribution of human cardiac output. 2015.
2. Fritz KR, Hayward WA. Greene ER. Age- related differences in the distribution of human cardiac output during orthostatic stress. 2015.
3. Greene ER, Roach RC. Distribution of cardiac output in high altitude natives. 2015.
4. Greene ER. Roach RC. Age- related differences in the distribution of human cardiac output during acute hypoxia.2015.
5. Hayward WA, Roach RC, Fritz KR, Greene ER. Age- related differences in the distribution of human cardiac output during knee extension exercise.2015.
6. Hayward WA, Fritz KR, Greene ER. Age- related differences in the distribution of human cardiac output after a meal.2015.
7. Nelson BS, Houtchens DC, Greene ER. The effect of oral tobacco on human regional blood flows. 2015.
8. Hayward WA, Greene ER, Ortiz DA, Flores PA. Postprandial central and regional blood flows in children and adolescents. 2015.
9. Fritz KR Greene ER, Ortiz DA, Flores PA. Central and regional blood flows during orthostatic stress in children and adolescents. 2015.
10. Fritz KR, Greene ER, Flores PA. Common carotid blood flow in children and adolescents during ergometer exercise. 2015.
11. Nelson BS, Greene ER. Relationship of ACT and MCAT scores from minority, first generation university students and medical school graduation. 2015.
12. Castillo RS, Greene ER Human common carotid artery blood flow during ergometer exercise: effects of

VO2 maximum. 2015.

**Abstracts (All presented at national or international meetings; student and regional conferences are omitted)**

1. Greene ER, Histand MB. Ultrasonic assessment of simulated atherosclerosis. Proceedings of the 11th International Conference on Medical Physics 1976.
2. Greene ER, Histand MB. Detection of arterial stenosis by Doppler ultrasound. Proceedings of the 29th Am Conf Engr Med Biol, 1976.
3. Greene ER, Jedlicka K, Machado J. Diagnostic ultrasonics in Brazil. Ciencia e Cultura 1977;29:105-6.
4. Esteves M, Greene ER. Theoretical and experimental analysis of continuous wave Doppler velocity detectors. Anais de Engenharia Biomedica 1977;3:64-8.
5. Machado J, Greene ER. Ultrasonic pulse-echo system for real-time transcutaneous measurement of arterial wall movements. Ciencia e Cultura 1977;29:88-90.
6. Werneck M, Greene ER. Development of an ultrasonic Doppler system to measure blood velocities transcutaneously. Ciencia e Cultura 1977;29:105-8.
7. Caprihan A, Lemos C, Greene ER. A low-cost microcomputer for medical applications. Ciencia e Cultura 1977;29:133-4.
8. Jedlicka K, Greene ER, Lima JR. Ultrasonic detection of fetal life using an intravaginal transducer. Proceedings of the 31st Conf Engr Med Biol, 1978.
9. Suzuki T, Greene ER. Fatigue evaluation and service life prediction of durameter prosthetic heart valves. Anais de Engenharia Biomedica 1978;4:17-21.
10. Machado J, Mercerf F, Greene ER. Esophageal echocardiography. Resumes de XXXIV Congresso Brasileiro de Cardiologia 1978;34:232-3.
11. Greene ER, Jedlicka K, Werneck M, Marchado J. Development of diagnostic Doppler ultrasonics in Brazil. Proceedings of the 31st Conf Engr Med Biol, 1978.
12. Suzuki T, Greene ER. Ensaio de fadiga das valvulas artificiais do coracao. Anais do Engenharia Biomedica 1979;8:38-48.
13. Olivierira A, Greene ER, Van Bellen B. O efeito Doppler-ultrasom no diagnostico naoinvasivo de vasculopatias perifericas. Rev Ass Med Brazil 1979;23:254-6.
14. Richards KL, Greene ER, Hoekenga DE, Davis JG. Usefulness of Dopplercardiography for assessing severity of aortic valve stenosis. Clin Res 1979;27(5):733A.
15. Eldridge M, Berman W, Greene ER, Yabek S, Hartley C. Noninvasive pulsed Doppler blood flow measurements in normal and premature newborn infants. Proceedings of the International Conference of Fetal and Neonatal measurements, Oxford, England, 1979.
16. Loeppky JA, Richards KL, Greene ER, Eldridge MW, Hoekenga DE, Venters MD, Luft UC. Instantaneous stroke volume in man during lower body negative pressure (LBNP). Physiologist 1979;22(4):78.
17. Greene ER, Richards KL, Davis J. Improved sample volume control for pulsed Doppler echocardiography. Circulation 1979;60(4 Pt 2):II-245.
18. Berman W, Eldridge M, Greene ER, Yabek S, Hartley C. Noninvasive pulsed Doppler blood flow measurements in neonates. Circulation 1979;60(4Pt2):II-205.
19. Richards KL, Greene ER, Hoekenga DE, Davis JG. Dopplercardiographic assessment of severity of aortic and mitral valve stenosis. Am J Cardiol 1980;45(2):437.
20. Greene ER, Loeppky JA, Mathews EC, Hoekenga DE, Richards KL, Tuttle WC. Noninvasive Doppler stroke volume during rest and exercise. Proceedings of the 33rd Conf Engr Med Biol 1980.

21. Hoekenga DE, Greene ER, Loeppky JA, Mathews EC, Richards KL, Luft UC. A comparison of noninvasive Dopplercardiographic and simultaneous Fick measurements of left ventricular stroke volume in man. Circulation 1980;62(4 Pt 2):III-199.
22. Richards K, Hartley C, Greene ER. Usefulness of the Doppler Sones coronary angiographic catheter. Circulation 1980;62(4 Pt 2):III-48.
23. Richards K, Crawford M, Cannon S, Greene ER, Hoekenga D, O'Rourke R. Quantification of aortic stenosis by Doppler, M-mode and 2-dimensional echocardiography. Circulation 1980; 62(4 Pt 2):III-99.
24. Greene ER. Clinical application of pulsed Doppler flowmetry. Proceedings of the 15th Assoc Med Imaging, 1980.
25. Greene ER, Richards KL, Hoekenga DE, Davis JG. Dopplercardiographic audio spectrum analysis by time interval histogram versus multifilter spectrograph and fast Fourier transform in aortic and mitral stenosis. Clin Res 1980;28(1):7A.
26. Miranda FG, Greene ER, Eldridge MW, Degenhart GL. A serial study of the clinical efficacy of a noninvasive cerebrovascular laboratory: the effect of imaging capabilities. Proceedings of the International Symposium on Cerebrovascular Diseases. Gardone Riviera, Italy, July 1981;26.
27. Greene ER, Eldridge MW, Miranda FG, Jahnke RW. Noninvasive measurement of common carotid blood flow and cardiac output in patients with isolated internal carotid stenosis. Proceedings of the International Symposium on Cerebrovascular Diseases. Gardone Riviera, Italy, July 1981;27.
28. Greene ER. Noninvasive duplex measurements of common carotid blood flow. Proceedings of the 34th Conf Engr Med Biol, 1981.
29. Avasthi PS, Greene ER, Seigel RS, Witt AJ. Simultaneous invasive and noninvasive renal blood velocity and flow measurements using pulsed Doppler velocimeters. Clin Res 1982;30:440A.
30. Voyles WF, Miranda IP, Greene ER, Reilly PA, Caprihan A. Observer variability in serial noninvasive measurements of stroke index using pulse Doppler flowmetry. Clin Res 1982;30:229A.
31. Mathews EC, Raizada V, Greene ER, Loeppky JA. Noninvasive beat-to-beat total (TCO) and net (NCO) cardiac output during progressive upright exercise (PUR) in patients (PTS) with aortic regurgitation (AR). Clin Res 1982;30:204A.
32. Avasthi PS, Greene ER. Noninvasive echo-Doppler diagnosis of renal vein thrombosis. Proceedings of the Annual Conference of the American Nephrology Society 1982:74.
33. Cagle G, Greene ER, Miranda IP, Miranda FG, Reilly PA. Noninvasive Doppler ultrasound measurements of cardiac output and common carotid blood flow in cerebrovascular disease patients as a function of posture and exercise. Physiologist 1982;25(4):253.
34. Shaw G, Johnson C, Wimer K, Sutton M, Cagle G, Greene ER. Intraoperator and interoperator variability in serial noninvasive pulsed Doppler measurements of stroke volume during rest and upright exercise. Physiologist 1982;25(4):232.
35. Greene ER, Cagle G, Reilly PA, Miranda IP. Noninvasive echo-Doppler duplex measurements of cardiac output (CO) and common carotid bloodflow (CCBF) during upright exercise (UE). Circulation 1982;66:II-45.
36. Greene ER, Voyles WF, Raizada V, Reilly P. Noninvasive estimates of pulmonary artery blood flow using an echo-Doppler duplex scanner in patients with and without pulmonary hypertension. Circulation 1982;66:II-287.
37. Greene ER, Voyles WF, Avasthi P, Eldridge MW. A comparison of noninvasive echo-Doppler duplex and invasive electromagnetic flowmeter measurements of renal blood flow. Circulation 1982;66:II-287.
38. Greene ER, Avasthi PS, Scholler C. Noninvasive diagnosis of renal vein thrombosis by echo-Doppler duplex scanning. Circulation 1982;66:II-319.

39. Voyles WF, Greene ER, Eldridge M. In vitro comparison of fast Fourier transform (FFT) and zero-crossing Doppler signal processing methods for volumetric flow determinations. Proceedings of the San Diego Symposium on Noninvasive Diagnostic Techniques in Vascular Disease 1982:26.
40. Voyles WF, Eldridge MW, Davis JG, Greene ER. In vitro flow analysis using a Doppler coronary catheter. Proceedings of the 35th Annual Conf Engr Med Biol 1982:126.
41. Avasthi PS, Greene ER, Voyles WF. Evaluation of a noninvasive echo-Doppler method for the diagnosis of renal artery stenosis. Proceedings of the 15th Annual Meeting of the American Society of Nephrology 1982;23A.
42. Avasthi PS, Greene ER, Voyles WF. Noninvasive diagnosis of renal artery stenosis. Clin Res 1983;31(1):75A.
43. Greene ER, Eldridge MW, Miranda FG, Jahnke RW. Noninvasive measurement of common carotid blood flow (CCBF) and cardiac output (CO) in patients with isolated internal carotid stenosis. Circulation 1983;68:III-170.
44. Wimer KW, Voyles WF, Greene ER. Changes in stroke index produced by maneuvers used during dynamic cardiac auscultation. Circulation 1983;68:III-310.
45. Miranda IP, Voyles WF, Alexander-Witt A, Greene ER. Intraobserver and interobserver variability in noninvasive measurements of phasic blood flow in human peripheral blood vessels using echo-Doppler duplex scanning. J Ultrasound Med 1983;2(10):251.
46. Graettinger WF, Leach JK, Hoekenga DE, Greene ER. Sustained increase in Doppler cardiac output by the beta-two agonist terbutaline over 12 weeks. Clin Res 1984;32(1):7A.
47. Voyles WF, Altobelli SA, Chick TW, Histand MB, Greene ER. Effects of hypoxia on pulmonary vascular impedance and right ventricular hydraulic power. Am Rev Respir Dis 1984;129:A236.
48. Kadakia DR, Greene ER, Voyles WF, Burchell RC, Greeley PH. Echo-Doppler determination of maternal cardiac output and common iliac artery blood flow in human pregnancy. J Ultrasound Med 1984;3(l0):lA.
49. Eldridge MW, Berman W, Greene ER, Voyles WF. Serial echo-Doppler measurements of aortic blood flow in the human fetus. J Ultrasound Med 1984;3(l0)227.
50. Voyles WF, Klein RC, Mathews EC, Fisher DC, Greene ER. Cardiovascular responses to exercise in patients with aortic regurgitation. Proceedings of the XII International Congress of Cardiology 1984:69.
51. Avasthi PS, Greene ER, Voyles WF, Altobelli SA, Fisher DC. Human renal blood flow following protein or carbohydrate ingestion. Clin Res 1985;33(l):l07A.
52. Fisher DC, Roberts TC, Voyles, WF, Sikes W, Greene ER. Intraaortic balloon augmentation increase coronary flow in partial obstruction: echo/Doppler study in open chest dogs. J Am Coll Cardiol 1985;5:542.
53. Fisher DC, Voyles WF, Sikes W, Greene ER. Left ventricular filling patterns during ischemia: An echo/Doppler study in open chest dogs. J Am Coll Cardiol 1985;5:426.
54. Avasthi PS, Greene ER, Voyles WF, Fisher DC. Postprandial renal hemodynamics in humans. Kidney Int 1985;27:29l.
55. Greene ER, Voyles WF, Miranda IP, Halpern NB. Duplex measurements of blood flow in the cervical branches of the human carotid. J Ultrasound Med 1985;4(l0):l72.
56. Greene ER, Voyles WF, Avasthi PS. Renal blood flow: validation of a noninvasive Doppler method. J Ultrasound Med 1986;5:45.
57. Voyles WF, Runge TM, Fisher DC, Greene ER. Comparative pharmacodynamics action of cardiac glycosides. Clin Res 1986;34(1):15A.
58. Greene ER, Voyles WF, Avasthi PS. Human superior mesenteric artery blood flow: Doppler

comparison of protein versus carbohydrate ingestion. J Ultrasound Med 1986;5:76.

59. Greene ER, Reilly PS, Miranda IP. Doppler echocardiographic assessment of left internal mammary grafts in humans. Circulation 1986;74(2):II-308.
60. Roche AHG, Coverdale HA, McAllister HJ, Jaffe WM, Agnew TM, Greene ER. Clinical examination versus Doppler echocardiography in the quantitative assessment of valvular heart disease. Circulation 1986;74(2):II-305.
61. Greene ER, Davis JG, Voyles WF. Doppler cardiac output: a multicenter trial. Clin Res 1987;35(1):104A.
62. Greene ER, Voyles WF, Croke WP, Mathews EC. Doppler determination of left ventricular function in coronary patients taking propranolol. Clin Res 1987;35(1): 105A.
63. Sutton MF, Johnson EC, Greene ER. Effects of endurance training on arm blood flow and oxygen consumption. Clin Res 1987;35(1):114A.
64. Greene ER, Scremin OU, Ballam GO. Transients in human internal carotid blood flow induced by step changes in carbon dioxide. Clin Res 1987;35(1):105A.
65. Greene ER, Voyles WF, Hardy TL. Temporal changes in common carotid blood flow following endarterectomy. Clin Res 1987;35(1):105A.
66. Greene ER, Davis JG, Caprihan A. Human left main coronary artery blood flow: noninvasive Doppler echocardiography with sample volume tracking. Clin Res 1987;35(1):104A.
67. Greene ER, Graettinger WF, Voyles WF. Doppler predictions of pulmonary artery pressure, flow, and resistance in adults. Clin Res 1987;35(1):170A.
68. Avasthi PS, Greene ER. Does postprandial renal hyperperfusion occur in denervated human kidneys? Kidney Int 1987;31:419.
69. Johnson EC, Voyles WF, Sutton MF, Atterbom HA, Greene ER. Exercise training and common femoral artery blood flow in patients with intermittent claudication. Clin Res 1988;36(1):179A.
70. Greene ER, Tawney KW, Johnson EC, Avasthi PS. Human regional blood flows during head-down tilt. Clin Res 1988;36(1):107A.
71. Tawney KW, Johnson EC, Greene ER. Age-related differences in the reactivity of the human central circulation to head-up tilt. Physiologist 1988;31(4):A130.
72. Johnson EC, Hudson TL, Greene ER. Posture and stroke index during exercise recovery. Physiologist 1988;31(4):A168.
73. Greene ER, Tawney KW, Johnson EC. Human regional blood flows during simulated microgravity: A noninvasive Doppler flowmetry study. Physics in Medicine and Biology 1988;33 (Suppl 1):358.
74. Johnson EC, Atterbom HA, Voyles WF, Sutton MF, Greene ER. Exercise training and common femoral artery blood flow in patients with intermittent claudication. Circulation 1988;78:II 235.
75. Tawney KW, Johnson EC, Minotti JR, Greene ER. Imaged guided Doppler measurements of peak forearm blood flow: advantages and limitations. J Ultrasound Med 1988;7:S185.
76. Tawney KW, Ballam GO, Johnson EC, Heyward VH, Jefferies DB, Greene ER. Human internal carotid blood flow during maximum arm ergometry. Med Science Sports Exercise 1989;21(2):S3.
77. Avasthi PS, Tawney KW, Greene ER. Diuresis with head-down posture is not mediated by cardiac output or renal blood flow in man. Proceedings of 11th International Congress of Nephrology: 1990;485A.
78. Avasthi PS, Tawney KW, Greene ER. Age-related differences in human renal blood flow and cardiac output during postural stress. Proceedings of 11th International Congress of Nephrology: 1990;493A.
79. Tawney KW, Johnson EC, Greene ER. Human superior mesenteric artery blood flow: protein versus carbohydrate ingestion. FASEB 1990;4(3):A118.
80. Huang SY, Greene ER, Reeves JT. Acclimatization to 4300 m improves cerebral oxygen delivery

during prolonged exercise. FASEB 1990;4(3):A414.

81. Hackett PH, Roach RC, Greene ER. Oxygenation, but not increased cerebral blood flow, improves high altitude headache. In Hypoxia, The Adaptations , Sutton JR, Coates G, Remmers JE, eds. Philadelphia, Decker 1990;295.
82. Avasthi PS, Greene ER. Autoregulation of cerebral blood flow during hemodialysis. J Amer Soc Nephrology 1991;1:349.
83. Greene ER, Tawney KW, Johnson EC. Accuracy and precision of noninvasive Doppler flowmetry: validation with invasive standards and repeated measurements. J Ultrasound Med 1991;10:S39.
84. Greene ER. Cardiovascular physiology and Doppler echocardiography: Categorical Course. J Ultrasound Med 1991;10:S33.
85. Greene ER. Noninvasive studies of age-related differences in human regional blood flows: Categorical Course. J Ultrasound Med 1991;10:S33.
86. Greene ER, Appenzeller P, Wood SC, Appenzeller O. Middle cerebral and extracranial vertebral artery flow velocities during Valsalva's maneuver: hypoxia of rheologic influences. Neurology 1991;41:S418.
87. Hackett PH, Greene ER, Roach RC, Feil P, Selland M. Nifedepine and hydralazine for treatment of high altitude pulmonary edema. In Hypoxia, The Adaptations, Sutton, Coates G, Remmers JE, eds. Philadelphia, Decker 1991;291.
88. Hackett PH, Roach RC, Goldberg S, Greene ER, Selland M, Wilson N, Feil P. A portable, fabric hyperbaric chamber for treatment of high altitude pulmonary edema. In Hypoxia, The Adaptations, Sutton JR, Coates G, Remmers JE, eds. Philadelphia, Decker 1991;291
89. Wilson N, Greene ER, Feil P, Roach RC, Hackett PH. Altitude and postprandial human superior mesenteric artery blood flow. In Hypoxia, The Adaptations, Sutton JR, Coates G, Remmers JE, eds. Philadelphia, Decker 1991;297.
90. Levine BD, Grayburn PA, Voyles WF, Greene ER, Roach RC, Hackett PH. Intracardiac shunting across a patient forearm ovale may exacerbate hypoxemic in high altitude pulmonary edema. JACC 1991;17(2):199A.
91. Greene ER, Tawney KW, Johnson EC. Age-related difference in human regional blood flows during upright tilt. Proceedings of 48th Meeting American Geriatrics Society:1991.
92. Wood SC, Appenzeller O, Greene ER, Eldridge ME. Effects of pentoxifylline on arterial oxygen saturation at 4600 m altitude. Proceedings 7th International Hypoxia Symposium, 1991.
93. Greene ER, Icenogle MV, Robergs RA, Hudson TL. Human brachial artery blood flow during forearm exercise: duplex flowmetry measurements during contractions. J Ultrasound Med 1992;11:S44.
94. Freedman D, Kretz A, Greene ER, Boyle P, Schade DS. Differential effects of catecholamines on hepatic ketogenes is versus hepatic portal vein blood flow in man. Clin Res 1992;40(1):171A.
95. Hackett PH, Greene ER, Hartig G, Levine BD, Roach RC, Voyles WF, Gininotti M. Sympathetic blockade in high altitude pulmonary edema. Keystone Conference, 1992.
96. Montner P, Greene ER, Chick T, Stark D, Timms M. Hemodynamic effects of continuous position airway pressure by nasal mask compared to face mask. Am Rev Resp Dis 1992;145(4):70.
97. Saddler MC, Greene ER, Avasthi PS. Recombinant erythropoietin does not acutely increase systemic vascular resistance. J Am Soc Nephrology 1992;3(3):431.
98. Saddler MC, Greene ER, Avasthi PS. Effect of lower body negative pressure on renal arterial blood flow velocity. J Am Soc Nephrology 1992;3(3):568.
99. Saddler M, Avasthi PS, Caprihan A, Saunders J, Greene ER. Comparison of total human renal blood flow measured by Doppler ultrasonic and magnetic resonance flowmetry. Proc International Congress Nephrology, Israel, 1992.
100. Loeppky JA, Roach RC, Selland M, Scotto P, Greene ER, Luft FC, Luft UC. Interaction between

hypoxia and simulated microgravity. Proceedings 12th Annual American Coll Clin Pharm: May 1992.

101. Avasthi PS, Diamond S, Greene ER. Doppler ultrasonic determination of total renal blood flow (TRBF) from supra and infra renal aortic blood flows. Proc 12th International Congress Nephrology, Israel, 1993.
102. Roach RC, Richards KL, Chick TW, Stark DM, Montner PK, Greene ER, Loeppky JA. Combined facial cold and hypoxia do not cause greater pulmonary artery pressure than does hypoxia alone. Proceedings 8th International Hypoxia Symposium, Banff, 1993.
103. Appenzeller P, Greene ER, Qualls C, Wood SC, Appenzeller O. Barogenic headache: Cerebrovascular reactivity and ethnicity. Proceedings 7th International Headache Congress, Paris, 1993.
104. Appenzeller P, Greene ER, Qualls C, Wood SC. Cerebrovascular reactivity to carbon dioxide: ethnic differences at altitude. Proceedings 8th International Hypoxia Symposium, Banff, 1993.
105. Greene ER, Bochert LA, Tamez AR, Simplified method for estimation of temporal mean Doppler frequency in human cerebral and renal arteries. J Ultrasound Medicine 1994 13:S211.
106. Greene ER, Tawney KW, Johnson EC. Age-related differences in human central and regional blood flows during orthostatic stress: a noninvasive Doppler flowmetry study. Physics in Med Biology 1994; 39a:206
107. Montner P, Zou Y, Robergs R, Murata G, Stark D, Quinn C, Greene ER. Mechanisms of glycerol induced fluid retention and heart rate reduction during exercise. Proceedings Annual Meeting of the Am College Sports Medicine, 1995.
108. Montner P, Zou Y, Starck D, Greene ER. Continuous positive airway pressure (CPAP) reduces adult renal blood flow. Proceedings Annual Meeting of Am Thoracic Society, 1995.
109. Bernardi L, Passino C, Spadacini G, Calciati A, Robergs R, Greene R, Martignoni E, Anand O. Baroflex cardiovascular modulation; power spectral analysis (PSA); altitude, breathing, and ethnicity. Proceedings 9th Internal Sym on Hypoxia, 1995.
110. Appenzeller O, Greene R, Qualls C, Martignoni E. Intracranial flow velocities (IFV): responses to Valsalva's maneuver (VM); effects of age, altitude, and ethnicity. Proceedings 9th Internal Sym on Hypoxia, 1995.
111. Passino C, Bernardi L, Robergs R, Greene R. Autonomic regulation of heart and peripheral circulation: comparison of high altitude and sea level residents. Proceedings Annual Meeting European Society Cardiology, 1995.
112. Bernardi L, Passino C, Greene R, Robergs R, Appenzeller O. Does high altitude exposure impair arterial baroreflex? Proceedings Annual Meeting European Society Cardiology, 1995.
113. Appenzeller O, Greene ER, Bernardi L, Robergs R. Baroreceptors at altitude: effects on middle cerebral and renal artery flow velocities. Proceeding of Am. Academy of Neurology, 1995.
114. Greene ER, Zou Y, Chacon S. The effect of exercise on human basilar artery blood velocity: a noninvasive Doppler study. J Ultrasound Med 1996; 15:S17.
115. Gutierrez TJ, Hall JO, Montner P, Stark D, Greene ER. Hemodynamic effects of CPAP on COPD patients. Proceedings of Am. Thoracic Society 1996.
116. Greene ER, Chacon S, Zou Y. The effect of exercise on the human posterior circulation in the brain. Stroke 1996; 27:142.
117. Appenzeller O, Greene ER, Bernardi L, Passino C, Spadacini G, Qualls C, Robergs R, Martignoni E. Baroreceptor modulation at altitude: effects on middle cerebral and renal artery flow velocities. Clinical Autonomic Research 6:276; 1996.
118. Greene ER, Loshbaugh J, Loeppky JA, Fritz K, Robergs R. Acute simulated altitude attenuates postprandial human superior mesenteric artery blood flow. Proceedings 10th International Symposium on Hypoxia, 1997.

119. Greene ER, Montano J, Avasti P. Comparison of doppler-determined phasic human renal blood flow: direct measurements versus aortic subtraction. FASEB, 1997; 11(3): A474.
120. Hayward W, Fritz K, Loshbaugh J, Chacon S, Greene ER. Dynamic response of the human cerebrovascular circulation to the onset of exercise. FASEB, 1997; 11(3): A474.
121. Fritz K, Hayward W, Loshbaugh J, Tenorio E, Greene ER. Dynamic effects of postprandial exercise on human superior mesenteric blood flow. FASEB, 1997; 11(3): A214.
122. Hayward W, Fritz K, Montano J, Greene ER, Dynamic responses of the human cerebrovascular circulation during sexual intercourse. FASEB, 1998; 12(3): A228.
123. Fritz K, Montano J, Greene ER. Dynamic effects of a meal on the distribution of human cardiac output. FASEB, 1998; 12(3): A699.
124. Greene ER, Fritz K, Montano J, Miranda C, Ortiz D, Tenorio E, Johnson EC. The distribution of human cardiac output during orthostatic stress is not age-related. FASEB, 1998; 12(3): A959.
125. Greene ER, Saavedra P, Chacon S, Donaldson AB. An ascending and abdominal aortic high flowrate phantom for quality control of Doppler ultrasound. J Ultrasound Med 1998; 16:S86.
126. Bernardi L, Feil P, Spadacini G, Greene ER. Reduced hypoxic ventilatory response with preserved blood oxygenation at altitude: evidence of different adaptive strategy. Proceedings of 11th International Hypoxia Symposia, 1999.
127. Bonfichi M, Bernardi L, Feil P, Greene ER. Lifestyle influences hematological adaptation to high altitude in high altitude and sea level natives. Proceedings of 11th International Hypoxia Symposia, 1999.Bernardi L, Bandinelli G, Passino C, Keyl C, Schneider A, Feil P, Greene ER. Autonomic modulation of cerebral blood flow at altitude. Proceedings of 11th International Hypoxia Symposia, 1999.
128. Hayward WA, Fritz KR, Montano JA, Gallegos MM, Greene ER. Human sexual intercourse does not increase middle cerebral artery blood velocity at altitude. Proceedings of 11th International Hypoxia Symposia, 1999.
129. Greene ER, Araoz M, Spichogel H, Roach RC. Distribution of cardiac output in high altitude natives. Proceedings of 11th International Hypoxia Symposia, 1999.
130. Keyl C, Schneider A, Passino C, Spadacini G, Greene ER, Bernardi L. Spectral analysis of arterial oxygen saturation and RR intervals in high altitude and sea level residents. Proceedings of 11th International Hypoxia Symposium; 1999.
131. Ortega SA, Romero LA, Ortiz DA, Gallegos MM, Montano JA, Fritz Kr, Greene ER. Age-related differences in human central and regional blood flows after a meal. FASEB 1999; A432.
132. Fritz KR, Gallegos MM, Ortiz DA, Greene ER. Exercise training increases lower limb reactive hyperemia. FASEB 1999; 13 (4): A418.
133. Houtchens DC, Leyba MJ, Ortega SA, Romero LA, Ortiz DA, Fritz Kr, Hayward WA, Greene ER. The acute effects of oral tobacco on human central and regional blood flows in chronic users. FASEB 1999; 13 (4): A433.
134. Hansen J, Greene ER. Differential reflex control of renal and skeletal muscle blood flow during static handgrip. FASEB 1999; 13 (4): A450.
135. Roach RC, Araoz M, Spielvogel H, Greene ER. Distribution of cardiac output in high altitude natives. FASEB 1999;13 (4): A785.
136. Greene ER, Keyl C, Schneider A, Bernardi L. Spectral analysis of arterial oxygen saturation and RR interval in high altitude and sea level native. FASEB 1999; 13 (4): A785.
137. Greene ER. Categorical Course Chair; Physiology and imaging: what can we measure? J Ultrasound Med 1999; 18:S102.
138. Hauswald M, Greene ER. The effect of the pneumatic anti-shock garment on abdominal blood flow.

Acad Emerg Med 1999,6(5):476-477.

139. Fritz KR, Robergs RA, Hayward WA, Greene ER. Energy restrictive diet and free fatty acid metabolism in obese adult females. FASEB 2000;14(4):A434.
140. Greene ER, Ortiz D, Tenerio E. Pulse wave velocity in human neonates. FASEB 2000;14(4):A669.
141. Shaw G, Robergs RA, Loeppky JA, Greene ER. Human stroke volume during exercise: effects of beta blockage with or without intrinsic sympathomimetic activity. FASEB 2000;14(4):A156.
142. Greene ER, Avasthi PS. Noninvasive renal blood flow by aortic substraction: Validation with invasive flow cuffs. WFUMB 2000;26(12):A19.
143. Greene ER, Roach RC. Doppler measurements of the distribution of human cardiac output during physical stresses: the method of choice? J Ultrasound Med 2000;19:S87.
144. Greene ER, Hayward WA, Fritz KR. Human middle cerebral artery blood velocity during sexual intercourse: the effects of gender. J Ultrasound Med 2000; 19:S29.
145. Sander M, Hanada A, Greene ER. Systemic nitric oxide synthase inhibition in humans decreases flow in renal and splanchnic, but not skeletal muscle vascular beds. Circulation 2000; 102:II-79.
146. Greene ER, Roach RC, Ortiz DA, Montano JA, Sander M, Hanada A, Saltin B. Age-related differences in human central and regional hemodynamics during acute hypoxia. FASEB 2001; 15(4):A97.
147. Greene ER, Roach RC, Ortiz DA, Montano JA, Sander M, Hanada A, Saltin B. Age-related differences in human central and regional hemodynamics during leg exercise. FASEB 2001; 15(5):A790.
148. Ortiz DA, Upshaw KR, Hacker JE, Nelson BS, Greene ER. Postprandial central and regional blood flows in children and adolescents. FASEB 2001; 15(5):A1122.
149. Archuleta AM, Kuhn GH, Greene ER. Human central and regional hemodynamics during orthostatic stress in children and adolescents. FASEB 2001; 15(5):A1110.
150. Haseler LJ, Lin AP, Greene ER, Richardson RS. Incomplete restoration of PCr following exercise relates to degree of ischemia. Proceeding of ACSM 2001.
151. Flores PA,Burnquist AM,Tenorio EB, Ortiz DA, Greene ER. Common carotid blood flows during ergometer exercise in children and adolescents. FASEB 2001; 15(5):A790.
152. Flores PA, Martinez MM, Becker CE, Latch AM, Esquibel MS, Amick MS,Nelson BS, Fritz KR, Greene ER. Common carotid blood during ergometer exercise in children. FASEB 2002; 16:LB16.
153. Flores PA, Becker CE , Martinez MM, Latch AM, Esquibel MS, Amick MS, Nelson BS, Fritz KR, Greene ER. Central and regional blood flows during orthostatic stress in children. FASEB 2002: LB16.
154. Montano MJ, Ortiz GC, Amick MS, Montoya RS, Purvis LM, Nelson BS, Greene ER. Carotid blood flow during ergometer exercise: effects of endurance exercise training. FASEB 2003: 17(5):A1272.
155. Greene ER, Marthell MM, Castillo RA. Comprehensive validation of human regional blood flows by Doppler flowmetry. FASEB 2005; 19(5):A1220.
156. Nelson BS, Greene ER. Relationship of ACT and MCAT scores from minority, first generation university students and medical school graduation. FASEB 2006; T40:296.1
157. Watson RR, Greene ER, Priman E, Slessarev M, Ito S, Norboo T, Stobdan T, Diskit D, Norboo A, Kunzang M, Fisher, JA, Appenzeller O. Intima-media thickness in Himalayan highlanders. FASEB, 2007.
158. Ito S, Watson RR, Jensen D, Duffin J, Greene ER, Priman E, Slessarev M, Norboo T, Stobdan T, Diskit D, Norboo A, Kunzang M, Fisher, JA, Appenzeller O. Serum lactate increases with mild exercise in Himalayan highlanders. International Hypoxia Conference, 2007.
159. Slessarev M, , Priman E, Ito S, Watson RR, Greene ER Norboo T, Stobdan T, Diskit D, Norboo A, Kunzang M, Fisher, JA, Appenzeller O. Cerebral blood flow response to CO2 in Himalayan highlanders with and without chronic mountain sickness. International Hypoxia Conference, 2007.
160. Priman E, Slessarev M, Watson RR, Greene ER, Ito S, Norboo T, Stobdan T, Diskit D, Norboo A,

Kunzang M, Fisher, JA, Appenzeller O. Cerebrovascular response to exogenous NO at altitude and during induced hyperoxia in Himalayan highlanders. International Hypoxia Conference, 2007.

161. Slessarev M, Prisman E, Ito S, Warson R, Jensen D, Preiss D, Greene R, Norboo T, Stobdan T, Diskit D, Norboo A, Kunzang M, Fisher J, Duffin J, Appenzeller O. Chemoreflex control of breathing in Himalayan and sea level residents. International Hypoxic Conference, 2007.
162. Peralta M, Greene ER, Sibbitt WL, Sharrar J, O'Rourke C, Roldan CA. Cerebral microembolism is a cause of ischemic cerebrovascular disease. Am College Cardiology Scientific Sessions 2009.
162. Joson J, Greene ER, Sibbitt WL, Sharrar J, O'Rourke C, Roldan CA. Premature aortic atherosclerosis is more common than carotid atherosclerosis in systemic inflammatory diseases. ACC Sessions 2009
163. Lanphere KR, Sharrar J, Sibbitt WL, Roldan CA, Greene ER. Decreased arterial distensibility in patients with systemic lupus erythematosus. FASEB 2009.
164. Balaban D, Preiss, D, Marimae A, Greene E, Fisher J. et al. Shifting the oxyhemoglobin dissociation curve in vivo. International Hypoxic Conference, 2009.
165. Preiss D, Balaban D, Mardimae A, Slessarev M, Greene E, Vesely A, Fisher J. Independent effects of PaO2 and PaCO2 on brain O2 delivery at altitude. International Hypoxic Conference, 2009.
165. Balaban D, Preiss, D, Marimae A, Greene E, Fisher J. et al. In vivo oxyhemoglobin dissociation curves in acute and chronic acclimation to high altitude. International Hypoxic Conference, 2009.
166. Duffin J, Balaban D, Greene E, Mardimae, A, Preiss D, Slessarev M, Vesely A, Fisher Interpreting modified rebreathing responses. International Hypoxic Conference, 2009.
167. Preiss D, Balaban D, Mardimae A, Slessarev M, Greene E, Vesely A, Fisher J. Mechanisms of SaO2 support by hypoxic ventilator response at altitude. International Hypoxic Conference, 2009.
168. Balaban D, Preiss, D, Marimae A, Greene E, Fisher J. et al. Comparison of in vivo oxyhemoglobin dissociation curve measurements with Kelman model predictions. International Hypoxic Conference,
169. Balaban D, Preiss, D, Marimae A, Greene E, Fisher J. et al. Measuring the oxyhemoglobin curve in vivo. International Hypoxic Conference, 2009.
170. Mardimae A, Slessarev M, Preiss D, Balaban D, Vesely A, Han J, Greene E, Fisher J. Effect of PETCO2 on hypoxic cerebral vasodilatation in lowlanders at altitude. International Hypoxic Conference, 2009.
171. Mardimae A, Slessarev M, Preiss D, Balaban D, Vesely A, Han J, Greene E, Fisher J. End tidal to arterial PO2 gradient with graded hypoxia in acutely acclimated lowlanders and Andean highlanders at 3600m. International Hypoxic Conference, 2009.
172. Fisher J, Mardimae A, Slessarev M, Preiss D, Vesely A, Greene E. Effects of end tidal PCO2 on cerebral oxygen delivery during progressive hypoxia. International Hypoxic Conference, 2009.
173. Slessarev M, Mardimae A, Balaban D, Preiss D, Vesely A, Greene E, Fisher J, et al. Differences in cerebral blood flow responses to CO2 in Himalayan and Andean highlanders as indicators of human environmental adaptations. FASEB, 2009.
174. Jason J, Greene ER, Sharrar J, O'Rourke C, Roldan CA. Aortic atherosclerosis occurs earlier and more often than carotid atherosclerosis in patients with systemic lupus erythematous. Presented at the American College of Cardiology Scientific Sessions 2010; March, New Orleans.
175. Isaac IT, Qualls C, Sharrar, J, O'Rourke C, Greene ER, Roldan CA. Cerebral blood flow by carotid duplex in patients with systemic lupus erythematous. Presented at the Western Meeting Clinical Research 2010; Feb, Carmel, J Invest Medicine 2010; 58: 167 (224).
176. Noonan D, Greene ER, Qualls C, Sharrar J, Sibbitt W, Roldan CA. Does peripheral arterial stiffness predict central arterial stiffness in patients with systemic lupus erythematous. Presented at the Lupus International Congress 2010; March, Vancouver.
177. Lanphere KR, Sharrar J, Roldan CA. Arterial distensibility in systemic lupus erythematous. IEEE Eng

Med Biol 2009; Sept: 1109-12. Invited paper, orally presented at 31st Annual International Meeting IEEE Engineering in Medicine and Biology, Minneapolis.

178. Greene ER. Noninvasive transthoracic and transesophageal Doppler echocardiographic measurements of human coronary blood flow velocity: In vitro flow phantom validation. IEEE Eng Med Biol 2010; Aug: 3784-87. Invited paper, orally presented at 32nd Annual International Meeting IEEE Engineering in Medicine and Biology, Buenos Aires, Argentina.
179. Wasson E, Harper C, Subudhi A, Scheider S, Maestas, N, Gutierrez D, roach R, Greene E. Middle cerebral artery blood velocity during running.: interaction of heart and stride rates. EB 2012, April 2012.
180. Boyer N, Roldan CA, Yonan K, Sharrar J, Sibbitt W, Greene E. Middle cerebral artery resistivity and pulsatility in lupus erythematosus: evidence for hyperperfusion. (top 10 of >500 presentation) J Investigative Medicine 2011; 59: 188-189.
181. Boyer N, Sibbitt wl, Greene ER, Qualls CR, Roldan CA. Middle Cerebral artery blood flow: bedside clinical applications. 2012; EUROSON, Madrid.
182. Sherpa ML, Flushman N Greene ER. Human carotid and brachial arterial mechanics in adolescents and young adults. Submitted to FASEB Experimental Biology 2016 San Diego
183. Tapia JL, Nalamlieng SM, Valenza T, Bentley A, Greene ER. Acute effects of ipsilateral arm Resistance exercise on human arterial endothelial hormonal function in the contralateral resting arm: Is there a systemic signal? Submitted to FASEB Experimental Biology 2016 San Diego.
184. Valenza T, Nalamlieng SM, Tapia JL, Bentley A, Greene ER. Acute effects of oral chewing tobacco on human arterial endothelial hormonal function. Submitted to FASEB Experimental Biology 2016 San Diego.
185. Nalamlieng SM, Tapia JL, Valencia T, Bentley A, Greene ER. Acute effects of commercial energy drinks on human arterial endothelial hormonal function. Submitted to FASEB Experimental Biology 2016 San Diego.
186. Shrestha K Garcia AM, Cognasi TR, Greene ER. Gender differences in human cerebral blood flow during mental tasks. Submitted to FASEB Experimental Biology 2016 San Diego.
187. Garcia AM, Cognasi TR, Shrestha K, Greene ER. Acute effects of walking on human cerebral blood flow. Submitted to FASEB Experimental Biology 2016 San Diego.
188. Cognasi TR, Garcia AM, Shrestha K, Greene ER, Acute effects of vitamin B-12 on human cerebral blood flow. Submitted to FASEB Experimental Biology 2016 San Diego.
189. Greene ER, John S. Clinical engineering training in Namibia: keeping medical equipment functioning in high disease density arenas with limited resources. Submitted to 38th IEEE EMBC 2016.
190. Greene ER Hunter C, Gunnar G. Point of care ultrasound imaging in Namibia: taking imaging to high disease density arenas with limited resources. Submitted to the 38th IEEE EMBC 2016.
191. Roldan P, **Greene E**, Roldan P, Rodriguez R, Roldan C. Premature aortic and carotid stiffness in systemic lupus, erythematosus: Which one is first or worse? ATVB 2015;35 A632. AHA Scientific Sessions 2015:
192. Roldan P, **Greene E,** Roldan P, P, Rodriguez R, Roldan C. Does aortic stiffness precede, follow, or occur simultaneously with aortic atherosclerosis. ATVB 2015; 35: A374. AHA Scientific Sessions 2015

**<u>Other Publications</u>**:

1. Greene ER. Ultrasonic assessment of simulated atherosclerosis, Ph.D. Thesis. Colorado State

University, 1975.
2. Histand M, Miller C, Greene ER. Quantitative measurement of blood flow. Final Report, NSF Technical Report 1975; GK-41227.
3. Histand M, McLeod F, Miller C, Greene ER. Development of ultrasonic methods of hemodynamic measurements. NASA Technical Report NSG 1975;7009.
4. Greene ER, Eldridge M. Capabilities and limitations of a clinical vascular laboratory. Part 1. Doppler evaluation of peripheral arterial disease: A clinical guide. Lovelace Medical Foundation Press, 1979.
5. Greene ER, Wier CS, Venters MD. Feasibility of an automated stress detection system in remotely deployed guard dogs. SAND 79-7087, Sandia Laboratories, 1979.
6. Greene ER, Eldridge M. Capabilities and limitations of a clinical vascular laboratory. Part 2. Noninvasive diagnosis of venous disease: a clinical guide. Lovelace Medical Foundation Press, 1980.
7. Davis JG, Greene ER. In suit Doppler technology assessment. NASA, Technical Report 1992.

**Outside Interests**

Environmental / Population Issues/ Permaculture
Farming/ Ranching/Rugby/Mountaineering
Educational Outreach / Water Management

30AUG2015