

VITAE: Randy Braith, Ph.D.

CURRICULUM VITAE

Randy W. Braith, Ph.D., FACSM, FAACVPR

PERSONAL INFORMATION

Date of Birth: January 15, 1950

Citizenship: United States

Business Address: University of Florida
P.O. Box 118206
Center for Exercise Science
Department Applied Physiology and Kinesiology
College of Health and Human Performance
Gainesville, Fl. 32611

Business Phone: (352) 392-9575 ext 1340

Business Fax: (352) 392-0316

Home Address: 23726 NW 194th Drive
High Springs, Fl. 32643

Home Phone: (386) 454-9656

Email: rbraith@hhp.ufl.edu

EDUCATION:

Bachelors: B.S. English/Psychology
Bemidji State University, Bemidji, Minnesota
1968-1973

Masters: M.S. Exercise Physiology/Biology
St. Cloud State University, St. Cloud, Minnesota
1981-1983

Doctorate: Ph.D. Exercise Physiology/Physiology
College of Health and Human Performance and College of Medicine
University of Florida, Gainesville, Florida
1988-1991

Postdoc: NIH Postdoctoral Fellow
Departments of Medicine (Division of Cardiology) and Physiology
College of Medicine
University of Florida, Gainesville, Florida
1991-1994

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PROFESSIONAL EXPERIENCE

- 2004- present Professor: Department of Applied Physiology and Kinesiology, College of Health and Human Performance, University of Florida, Gainesville, FL.
- 2004- present Joint Professor: Department of Medicine (Cardiology), University of Florida, Gainesville, FL.
- 2004- present Joint Professor: Department of Physiology, College of Medicine, University of Florida, Gainesville, FL.
- 2004-present Joint Professor: Hypertension Center, College of Medicine, University of Florida, Gainesville, FL.
- 2005-present Joint Professor: Institute on Aging, College of Medicine, University of Florida, Gainesville, FL.
- 1998- 2004 Associate Professor: Department of Exercise and Sport Sciences, College of Health and Human Performance, University of Florida, Gainesville, FL.
- 1998- 2004 Joint Associate Professor: Department of Physiology, College of Medicine, University of Florida, Gainesville, FL.
- 1998- 2004 Joint Associate Professor: Department of Medicine (Cardiology), University of Florida, Gainesville, FL.
- 1997- 1998 Joint Assistant Professor: Department of Physiology, College of Medicine, University of Florida, Gainesville, FL.
- 1997-1998 Joint Assistant Professor: Department of Medicine (Cardiology), University of Florida, Gainesville, FL.
- 1995- present Director: Clinical Exercise Physiology Laboratory, Center for Exercise Science, University of Florida, Gainesville, FL.
- 1995-1996 Director University Living Well Program: College of Health and Human Performance, University of Florida, Gainesville, FL.
- 1995-1997 Assistant Professor: Department of Exercise and Sport Sciences, College of Health and Human Performance, University of Florida, Gainesville, FL.
- 1994-1995 Assistant Professor: Department of Medicine (Exercise Physiology), West Virginia University, College of Medicine, Morgantown, WV.
- 1993-1994 Assistant Research Professor: Department of Physiology, College of Medicine, University of Florida, Gainesville, FL.
- 1991-1993 NIH Post-Doctoral Fellow: Departments of Medicine (Cardiology) and Physiology, College of Medicine, University of Florida, Gainesville, FL.
- 1988-1991 Doctoral Student: Exercise Physiology/Physiology, University of Florida, Gainesville, FL.
- 1986-1987 Lab Coordinator: Center for Exercise Science, College of Health and Human Performance, University of Florida, Gainesville, FL.
- 1985-1986 Director Exercise Physiology: Wellness Centers of Medical Center Hospital, Punta Gorda, FL. and Port Charlotte, FL.
- 1984-1986 Director Cardiopulmonary Rehabilitation: Medical Center Hospital, Punta Gorda, FL.
- 1981-1983 Coordinator: Human Performance Lab, Department of Physical Education, Health, and Recreation. St. Cloud State University, St. Cloud, MN.

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HONORS

- 2009 Advisory Committee, UF Clinical and Translational Science Center
- 2007 Associate Editor, Medicine and Science in Sports and Exercise
- 2007 Department of Medicine Research Day Outstanding Abstract Award
- 2006 Executive Committee, UF Institute on Aging
- 2005 Awarded University of Florida Research Foundation Professorship
- 2005 President's Tutorial Lecture: American College of Sports Medicine, Nashville, TN, June
- 2004 Awarded Joint Professor, Department of Medicine (Division of Cardiology), Univ. of Florida
- 2004 Awarded Joint Professor, Department of Physiology & Functional Genomics, Univ. of Florida
- 2004 Appointed American Heart Association County Board
- 2004 Keynote Lecturer: American College of Sports Medicine, Indianapolis, IN, May.
- 2004 NIH Grant Study Section, Heart, Lung, and Blood Institute, Bethesda, MD, February
- 2003 University of Florida Presidential Merit Award for Teaching, Research, and Service
- 2003 NIH Grant Study Section, Heart, Lung, and Blood Institute, Bethesda, MD, June
- 2002 Elected Chairman, Faculty Advisory Committee, College of Health & Human Performance
- 2001 Keynote Lecturer: Inter-University Consortium for Cardiovascular Disease, Riccione, Italy, Nov.
- 2001 Elected to Faculty Advisory Committee, College of Health & Human Performance
- 2001 Awarded Fellow status in American Association CardioVascular & Pulmonary Rehabilitation
- 2001 NIH Grant Study Section, Heart, Lung, and Blood Institute, Bethesda, MD, June
- 2000 Editorial Board, Journal of Cardiopulmonary Rehabilitation
- 1999 Keynote Lecturer: Organ Transplant Conference, Munich, Germany, March.
- 1999 University of Florida Faculty Merit Award (2% of UF Faculty: 120/4500)
- 1999 Winner, Faculty Productivity Award (over past 3 years), Department Exercise & Sport Sciences
- 1998 Awarded Joint Associate Professor, Department of Physiology, Univ. of Florida
- 1998 Awarded Joint Associate Professor, Department of Medicine (Cardiology), Univ. of Florida
- 1997 Awarded Joint Assistant Professor, Department of Physiology, Univ. of Florida
- 1997 Awarded Fellow status in American College of Sports Medicine
- 1996 Awarded Joint Assistant Professor, Department of Medicine (Cardiology), Univ. of Florida
- 1996 Who's Who in Medicine and Healthcare
- 1995 Who's Who in the South and Southwest
- 1992 Awarded NIH Postdoctoral Fellowship
- 1991 UF PostDoc Research Award, Florida Foundation

PROFESSIONAL and SCHOLARLY ORGANIZATIONS

- Member American College of Sports Medicine, Northland Chapter 1981-1983
- Member American College of Sports Medicine National 1982-present
- Member American Physiological Society 1987-present
- Member American College of Sports Medicine Southeast Chapter 1988-present
- Member American Heart Association 1991-present
- Member American Heart Association Circulation Scientific Council 1993-present
- Member American Assoc. of Cardiovascular & Pulmonary Rehab. 1995-present
- Member American Heart Association Heart Transplantation Committee 1995-present
- Member Amer. Assoc. of Cardiovascular & Pulmonary Rehab., FL Chapter 1996-present
- Member American Association for the Advancement of Science 1997-present
- Fellow American College of Sports Medicine National 1997-present
- Ed. Board Journal of Cardiopulmonary Rehabilitation 2000-present

VITAE: Randy Braith, Ph.D.

Fellow American Assoc. of Cardiovascular & Pulmonary Rehab.2001-present

Assoc Editor Medicine and Science in Sports and Exercise 2007-present

REFEREED RESEARCH PUBLICATIONS

1. Gurovich AN, **Braith RW**, Khuddus MA, Denardo SJ, Conti CR, Nichols WW. Patients with refractory angina have increased wasted left ventricular pressure effort. *American Journal of Hypertension* 2009 (in review).
2. Adkisson EJ, Casey DP, Beck DT, Gurovich AN, Martin JS, **Braith RW**. Central, peripheral, and resistance arterial reactivity fluctuates during the phases of the menstrual cycle. *Experimental Biology and Medicine* 2009 (in press).
3. Casey DP, Nichols WW, Conti CR, **Braith RW**. Relationship between endogenous levels of vasoactive substances and measures of peripheral vascular function in patients with coronary artery disease. *Clinical and Experiment Pharmacology and Physiology*, 2009 (in press).
4. Gurovich AN, Beck DT, **Braith RW**. Aortic pulse wave analysis is not a surrogate for central arterial pulse wave velocity. *Experimental Biology and Medicine* 2009 (in press).
5. Howe KS, **Braith RW**. Chronic glucocorticoid treatment does not impair the bone anabolic effect of teriperatide in mice. *Osteoporosis International* 2009 (in press).
6. Nichols WW, Pierce GL, **Braith RW**. Does hormone replacement therapy alter arterial properties in post-menopausal women? *Expert Rev. Endocrinol. Metab* 2009;2(5):(in press).
7. Casey DP, Nichols WW, **Braith RW**. Impact of aging on central pressure wave reflection characteristics during exercise. *Am J Hyperten* 2008;21(4):419-424.
8. Casey DP, **Braith RW**, Pierce GL. Changes in central artery blood pressure and wave reflection during a cold pressor test in young adults. *Eur J Appl Physiol* 2008;103(5):539-543.
9. Casey DP, Conti CR, Nichols WW, Choi CY, Khuddus MA, **Braith RW**. Effect of enhanced external counterpulsation (EECP) on inflammatory cytokines and adhesion molecules in patients with angina pectoris and angiographic coronary artery disease. *Am J Cardiol* 2008;101:300-302.
10. **Braith RW**, Beck DT. Resistance exercise: training adaptations and developing a safe exercise prescription. *Heart Failure Reviews* 2008;13:69-79.
11. Betters JL, Long JHD, Howe KS, **Braith RW**, Soltow QA, Lira VA, Criswell DS. Nitric oxide reverses prednisolone-induced muscle satellite cell dysfunction. *Nerve and Muscle* 2008;37:203-209.
12. Pierce GL, Schofield RS, Casey DP, Hamlin SA, Nichols WW, Hill JA, **Braith RW**. Effects of exercise training on forearm and calf vasodilation and pro-inflammatory markers in recent heart transplant recipients: a pilot study. *Eur J Cardiovasc Prev Rehabil* 2008;15:10-18.

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13. **Braith RW**, Schofield RS, Casey DP, Nichols WW, Hill JA, Pierce GL. Exercise attenuates progressive decline in brachial artery flow-mediated dilation in heart transplant recipients. *Journal of Heart and Lung Transplantation* 2008;27:52-59.
14. Casey DP, Pierce GL, Howe KS, Mering MC, **Braith RW**. Effect of resistance training on arterial wave reflection and brachial artery reactivity in normotensive postmenopausal women. *Eur J Appl Physiol* 2007;100:403-408.
15. Casey DP, Beck DT, **Braith RW**. Systemic plasma levels of nitrate/nitrite (NO_x) reflect brachial flow-mediated dilation in young men and women. *Clin Exper Pharm Physiol* 2007;34:1291-1293.
16. Pierce GL, Schofield RS, Nichols WW, Hill JA, **Braith RW**. Role of heart failure etiology on arterial wave reflection in heart transplant recipients: Relation with C-reactive protein. *Journal of Hypertension* 2007;25:2273-2279.
17. Casey DP, Beck DT, **Braith RW**. Progressive resistance training without volume increases does not alter arterial stiffness and aortic wave reflection. *Exper Biol and Medicine* 2007;232:1228-1235.
18. Pierce GL, Magyari PM, Aranda JM, Edwards DG, Hamlin SA, Hill JA, **Braith RW**. Effect of heart transplantation on skeletal muscle enzyme reserve and fiber-type in end-stage heart failure patients. *Clinical Transplantation* 2007;21:94-100.
19. Schofield RS, Pierce GL, Klodell CT, Nichols WW, Aranda JM, Pauly DF, Hill JA, **Braith RW**. Central arterial stiffness is increased in end-stage heart failure patients on left ventricular assist device support. *Am J Hypertension* 2007;20(6):622-628.
20. **Braith RW**, Conner JA, Fulton MN, Lisor CF, Casey DP, Howe KS, Baz MA. Comparison of alendronate versus alendronate + mechanical loading as prophylaxis for osteoporosis in lung transplant recipients. *J Heart Lung Transplant* 2007;26:132-137.
21. **Braith RW**, Stewart KJ. Resistance exercise training: Its role in the prevention of cardiovascular disease. *Circulation* 2006;113:2642-2650.
22. Vincent KR, **Braith RW**, Vincent HK. Influence of resistance exercise on lumbar strength in older, overweight adults. *Archives of Physical Medicine and Rehabilitation* 2006;87:383-389.
23. **Braith RW**, Magyari PM, Fulton MN, Lisor CF, Vogel SE, Hill JA, Aranda JM. Nasal calcitonin does not prevent vertebral osteoporosis in heart transplant recipients. *Transplantation* 2006 (81:):1191-1195.
24. Haller MJ, Pierce GL, **Braith RW**, Silverstein JH. Serum superoxide dismutase and nitric oxide do not correlate with arterial stiffness in children with type 1 diabetes mellitus. *J Pediatr Endocrinol Metab* 2006;19(3):267-269.
25. Nichols WW, Estrada JC, **Braith RW**, Owens K, Conti CR. Enhanced external counterpulsation treatment improves arterial wall properties and wave reflection characteristics in patients with refractory angina. *J Am Coll Cardiol* 2006;48(6):1209-1215.

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26. **Braith RW**. Role of exercise in rehabilitation of cancer survivors. *Pediatric Blood & Cancer*. 2005;44:1-5.
27. **Braith RW**, Magyari PM, Pierce GL, Edwards DG, Hill JA, White LJ, Aranda JM. Effect of resistance exercise on skeletal muscle myopathy in heart transplant recipients. *Am J Cardiol* 2005;95:1192-1198.
28. Vincent HK, Vincent KR, Bourguignon C, **Braith RW**. Effect of obesity on post-exercise oxidative stress in the elderly. *Med Sci Sports Exerc* 2005;37(2):213-219.
29. Edwards DG, Schofield RS, Magyari PM, Nichols WW, **Braith RW**. Exercise training and the amplitude and timing of central aortic pressure wave reflection in coronary artery disease. *Am J Hypertension* 2004;17:540-543.
30. Edwards DG, Schofield RS, Nichols WW, Pierce GL, **Braith RW**. Effect of exercise training on endothelial function in coronary artery disease in men. *Am J Cardiology* 2004;93:617-620.
31. Vincent KR, **Braith RW**, Bottiglieri T, Lowenthal DT. Reduced serum homocysteine levels following six months of resistance exercise training in the elderly. *Preventive Cardiol* 2003;6:197-203.
32. **Braith RW**, Magyari PM, Fulton MN, Aranda J, Walker T, Hill JA. Resistance exercise training and alendronate reverse glucocorticoid-induced osteoporosis in heart transplant recipients. *J Heart Lung Transplant* 2003;22:1082-1090.
33. Mitchell MJ, Baz MA, Fulton MN, Lisor CF, **Braith RW**. Resistance training prevents vertebral osteoporosis in lung transplant recipients. *Transplantation* 2003;76(3):557-562.
34. **Braith RW**. Does resistance exercise training reduce risk of cardiovascular disease? *J Cardiopulm Rehabilitation* 2003;23(3): 201-203.
35. Vincent KR, Vincent HK, **Braith RW**, Bhatnagar V, Lowenthal DT. Strength training and hemodynamic responses to exercise. *Am J Geriatr Cardiol* 2003;12(2):97-106.
36. **Braith RW**, Edwards DG. Neurohormonal abnormalities in heart failure: Impact of exercise training. *Congestive Heart Failure* 2003;9(2):70-76.
37. **Braith RW**, Mills RM, Wilcox CS, Davis GL, Hill JA, Wood CE. High-dose ACE inhibition restores body-fluid homeostasis in heart transplant recipients. *J Am Coll Cardiol* 2003;41(3):426-432.
38. Vincent KR, Vincent HK, **Braith RW**, Lennon SL, Lowenthal DT. Resistance exercise training attenuates exercise-induced lipid peroxidation in the elderly. *Eur J Appl Physiol* 2002;87:416-423.
39. Vincent KR, **Braith RW**, Feldman R, Magyari P, Cutler RB, Persin SA, Lennon SL, Lowenthal DT. Resistance exercise and physical performance in adults aged 60 to 83. *J American Geriatric Society* 2002;50(6):1100-1107

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40. **Braith RW.** Exercise for patients with chronic heart failure. *Physician and Sports Medicine* 002;30(9):29-45.
41. Borst SE, Vincent KR, Lowenthal DT, **Braith RW.** Effects of resistance training on IGF-1 and its binding proteins in men and women aged 60-85 years. *J Am Geriatr Soc* 2002;50:884-888.
42. Vincent KR, **Braith RW,** Feldman R, Kallas HE, Lowenthal DT. Improved cardio-respiratory endurance following 6 months of resistance exercise in elderly men and women. *Archives of Internal Medicine* 2002;162:673-678.
43. **Braith RW.** Role of rehabilitation in heart failure and after heart transplantation. *Italian Inter University Cardiology Press* 2002;3:50-76.
44. Vincent KR, **Braith RW.** Resistance exercise and bone turnover in elderly men and women. *Med Sci Sports Exercise* 2002;24:17-23.
45. Stevens BR, Godfrey MD, Kaminski TW, **Braith RW.** High intensity dynamic human muscle performance enhanced by a metabolic intervention. *Med Sci Sports Exercise* 2000;32:2102-2108.
46. **Braith RW,** Welsch MA, Feigenbaum MS, Kleuss HA, Pepine CJ. Neuroendocrine activation in heart failure is modified by endurance exercise training. In Year Book Sports Medicine 2000;146-Ed. Roy Shephard. Mosby-Year Book, Inc., St. Louis, Missouri.
47. **Braith RW,** Howard C, Fricker FJ, Mitchell M, Edwards DG. Glucocorticoid-induced osteopenia in adolescent heart transplant recipients. *J Heart Lung Transp* 2000;19(9):840-845.
48. **Braith RW,** Clapp L, Brown T, Brown C, Schofield R, Mills RM, Hill JA. Rate responsive pacing improves exercise tolerance in heart transplant recipients: A pilot study. *J Cardiopulm Rehabilitation* 2000;20(6):377-382.
49. Kaminski TW, Godfrey MD, **Braith RW,** Stevens BR. Measurement of acute dynamic anaerobic muscle fatigue using a novel fatigue resistance index. *Isokinetics and Exercise Science* 2000;8:95-101.
50. **Braith RW,** Mills RM, Wilcox CS, Hill JA, Wood CE. High-dose ACE inhibition prevents fluid volume expansion in heart transplant recipients. *J Am Coll Cardiol* 2000;36(2):87-92.
51. **Braith RW,** and Edwards DG. Exercise following heart transplantation. *Sports Medicine* 2000;30(3):171-192.
52. Feigenbaum M, Welsch M, Mitchell M, Vincent K, Pepine C, Pollock M, **Braith RW.** Contracted plasma and blood volume in men with chronic congestive heart failure secondary to coronary disease. *J Am Coll Cardiol* 2000;35(1):51-55..
53. **Braith RW,** Welsch MA, Feigenbaum MS, Kleuss HA, Pepine CJ. Neuroendocrine activation in heart failure is modified by endurance exercise training. *J Am Coll Cardiol* 1999;34:1170-1175.

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54. **Braith RW**, and Vincent KR. Resistance exercise in the elderly person with cardiovascular disease. *Am J Geriatric Cardiol* 1999;8:63-70..
55. **Braith RW**. Exercise training in patients with CHF and heart transplant recipients. *Med Sci Sports Exerc* 1998;30(10):S367-S378.
56. **Braith RW**, Plunkett M, Mills RM. Cardiac output responses to exercise in volume expanded heart transplant recipients. *American Journal of Cardiology* 1998;81:1152-1156.
57. **Braith RW** and Mitchell MJ. Effect of resistance training on bone metabolism in heart transplant recipients. *Congestive Heart Failure* 1998;4(1):16-24.
58. **Braith RW**, Welsch MA, Mills RM, Keller JW, Pollock ML. Resistance exercise prevents glucocorticoid-induced myopathy in heart transplant recipients. *Med Sci Sports Exerc* 1998;30:483-489.
59. **Braith RW** and Welsch MA. Exercise training in heart failure. In: *Practical Approaches to the Treatment of Heart Failure*. Eds. R.M. Mills and J. Young. Williams and Wilkins, 1998:125-147.
60. Baylis C, **Braith RW**, Santmyre B, Engles K. Renal nerve activity does not mediate the vasoconstrictor responses to acute systemic nitric oxide synthesis inhibition in conscious rats. *J Am Soc Nephrol* 1997;8:887-892.
61. **Braith RW**, Mills RM, Welsch MA, Pollock MH, Keller J. Resistance training reverses steroid induced osteoporosis after heart transplantation. *J Amer Coll Cardiol* 1996;28:1471-1477.
62. **Braith RW**, Mills RM, Convertino VA, Wilcox CS, Davis GL, Wood CE. Fluid homeostasis after heart transplantation: The role of cardiac denervation. *J Heart Lung Transplant* 1996; 15:872-880.
63. **Braith RW**, Mills RM, Wilcox CS, Davis GL, Wood CE. Breakdown of blood pressure and fluid volume homeostasis in heart transplant recipients. *J Am Coll Cardiol* 1996; 27:375-383.
64. **Braith RW** and Mills, RM, Jr. Exercise training in congestive heart failure. *Post Graduate Medicine* 1994;96(2):119-130.
65. **Braith RW**, Pollock ML, Lowenthal DT, Graves JE, Limacher MC. Moderate and high intensity exercise lowers blood pressure in normotensive subjects 60 to 79 years of age. *Am J Cardiol* 1994;73(15):1124-1128.
66. **Braith RW**, Pollock ML, Mills RM, Welsch MA, Camberg RL. Rapid loss of vertebral bone mineral density after heart transplantation. *Med Sci Sports Exerc* 1994;26(5):S165.
67. **Braith RW**, Limacher MC, Leggett SH, Pollock ML, Staples ED. Exercise induced hypoxemia in heart transplant recipients. *J Am Coll Cardiol* 1993;22(3):768-776.
68. **Braith RW**, Limacher MC, Leggett SH, Pollock ML. Skeletal muscle strength in heart transplant recipients. *J Heart and Lung Transplant* 1993;12:1018-1023.

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69. **Braith RW**, Limacher MC, Pollock ML, Staples ED. Blood gas dynamics at the onset of exercise in heart transplant recipients. *Chest* 1993;103:1692-1698.
70. **Braith RW**, Graves JE, Leggett SH, Pollock ML. Effect of training on the relationship between maximal and submaximal strength. *Med Sci Sports Exer* 1993;25(1):132-138.
71. **Braith RW**, Wood CE, Limacher MC, Pollock ML, Lowenthal DT, Staples ED, Phillips MI. Abnormal neuroendocrine responses during exercise in heart transplant recipients. *Circulation* 1992;86(5):1453-1463.
72. Pollock ML, Carroll JF, Graves JE, Leggett SH, **Braith RW**, Limacher M, Hagberg J. Injuries and adherence to walk/jog and resistance training programs in the elderly. *Med Sci Sports Exer* 1991;23(10):1194-1200.
73. Graves JE, Pollock ML, Foster D, Leggett SH, Carpenter DM, Vuoso R, **Braith RW**, Jones A. Effect of training frequency and specificity on isometric lumbar extension strength. *Spine* 1990;15(6):504-509.
74. Gruber JJ, Pollock ML, Graves JE, **Braith RW**. Comparison of Harpenden and Lange calipers in predicting body composition. *Res Quart* 1990;61(2):184-190.
75. **Braith RW**, Graves JE, Pollock ML, Leggett SH, Carpenter DM, and Colvin AB. Comparison of 2 versus 3 days/week of variable resistance training during 10 and 18 week programs. *Int J Sports Med* 1989;10(6):450-454.
76. Graves JE, Pollock ML, Leggett SH, **Braith RW**, Carpenter DM, Bishop LE. Effect of reduced training frequency on muscular strength. *Int J Sports Med* 1988;5(9):316-319.
77. Graves JE, Martin AD, **Braith RW**, Miltenberger LA, Pollock ML. Physiological responses to walking with hand weights, wrist weights, and ankle weights. *Med Sci Sports Exerc* 1988;20(3):265-271.

BOOK CHAPTERS

Braith RW and DG Edwards. The Role of Cardiac Rehabilitation in Heart Failure and Heart Transplantation. In: Progress in Respiratory Research, Vol. 32. Clinical Exercise Testing. Eds. R Zeballos and I Weisman. Karger, 2002:120-138.

Braith RW and PM Magyari. Resistance Training For Organ Transplant Recipients. In: Resistance Training in Health and Disease. Eds. J Graves and B Franklin. Human Kinetics, Chap. 14; 2001: 253-275.

Braith RW. Exercise for CHF and Heart Transplant Patients. In: Textbook of Exercise and Sports Cardiology. Ed. P Thompson. McGraw-Hill, 2000, Chap. 15; 317-353.

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Braith RW and M.A. Welsch. Exercise Training in Heart Failure. In: Practical Approaches to the Treatment of Heart Failure. Eds. R.M. Mills and J. Young. Williams and Wilkins, 1998:125-147.

INVITED REFEREED REVIEW ARTICLES

(Invited Review) **Braith RW**, Beck DT. Resistance exercise: training adaptations and developing a safe exercise prescription. Heart Failure Reviews 2007.

(Invited Review) **Braith RW**, Stewart KJ. Resistance exercise training: Its role in the prevention of cardiovascular disease. Circulation 2006;113:2642-2650.

(Invited Review) **Braith RW**, Edwards DG. Neurohormonal abnormalities in heart failure: Impact of exercise training. Congestive Heart Failure 2003;9(2):70-76.

(Invited Review) **Braith RW**. Exercise for patients with chronic heart failure. Physician and Sportsmedicine 2002;30(9):29-45.

(Invited Review) **Braith RW**, and Edwards DG. Exercise following heart transplantation. Sports Medicine 2000;30(3):171-192.

(Invited Review) **Braith RW**, and Vincent KR. Resistance exercise in the elderly person with cardiovascular disease. Am J Geriatric Cardiol 1999;8:63-70.

(Invited Review) **Braith RW**. Exercise training in patients with CHF and heart transplant recipients. Med Sci Sports Exerc 1998;30(10):S367-S378.

(Invited Review) **Braith RW** and Mitchell MJ. Effect of resistance training on bone metabolism in heart transplant recipients. Congestive Heart Failure 1997;4(1):16-24.

(Invited Review) **Braith RW** and Mills, RM, Jr. Exercise training in congestive heart failure. Post Graduate Medicine 1994;96(2):119-130.

REFEREED PUBLISHED ABSTRACTS

Braith RW, Conti CR, Beck DT, Nichols WW, Choi CY, Khuddus MA, Casey DP. Enhanced external counterpulsation improves arterial function in patients with chronic stable angina. Med Sci Sports Exerc 2009; 41(5):S39.

Gurovich AN, Nichols WW, **Braith RW**. Wasted left ventricular energy is increased in patients with refractory angina. Med Sci Sports Exerc 2009; 41(5):S247.

Beck DT, Gurovich AN, Martin JS, Nichols WW, **Braith RW**. Validation of a novel wristband micromanometer used of applanation tonometry. Med Sci Sports Exerc 2009; 41(5):S247.

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Martin JS, Beck DT, Gurovich AN, **Braith RW**. The acute effects of smokeless tobacco on central hemodynamics. *Med Sci Sports Exerc* 2009; 41(5):S24.

Vincent HK, Omli MR, Day TI, Machek M, Vincent KR, **Braith RW**. Obesity is associated with lumbar pain related fear of movement and self reported mobility impairment. *Med Sci Sports Exerc* 2009; 41(5):S420.

Braith RW, Nichols WW, Casey DP. Impact of aging on central pressure wave reflection during exercise. *Med Sci Sports Exerc* 2008;40(5):S308.

Beck DT, Casey DP, Howe K, **Braith RW**. The relationship between body fat percentage and arterial wave reflection in young, healthy men and women. *Med Sci Sports Exerc* 2008;40(5):S268.

Gurovich AN, Casey DP, Beck DT, **Braith RW**. Determination of central arterial pulse wave velocity from pulse wave analysis. *Med Sci Sports Exerc* 2008;40(5):S91.

Howe KS, Long JH, Wronski TJ, Iwaniec UT, Turner RT, **Braith RW**. The effects of teriparatide in glucocorticoid-treated mice. *J Bone Mineral Res* 2007.

Casey DP, Beck DT, **Braith RW**. The relationship between brachial artery flow-mediated dilation and plasma levels of nitrite/nitrate (NOx). *Med Sci Sports Exerc* 2007;39(5):S427.

Criswell DS, Betters JL, Long Jodi HD, Howe K, Soltow QA, Lira VA, **Braith RW**. Prednisolone-induced dysfunction of skeletal muscle satellite cells is reversed by nitric oxide. *Med Sci Sports Exerc* 2007;39(5):S224.

Pierce GL, Schofield RS, Casey DP, Nichols WW, Hill JA, **Braith RW**. Arterial wave reflection properties are associated with C-reactive protein and exercise capacity in heart transplant recipients. *Med Sci Sports Exerc* 2007;39(5):S168.

Casey DP, Conti R, Nichols WW, Khuddus MA, Choi CY, **Braith RW**. Enhanced external counterpulsation treatment decreases arterial stiffness and myocardial oxygen demand in patients with refractory angina. *J Am Coll Cardiol* 2007;49(9. Supplement A):110A.

Braith RW, Beck DT, Casey DP. Effects of resistance exercise training on arterial function in young, healthy men and women. *ACSM Integrative Physiology Conference Proceedings* 2006;17.

Braith RW, Schofield RS, Casey DP, Nichols WW, Hill JA, Pierce GL. Endurance training improves endothelial function and buffers sympathetic nervous system hyperactivity in heart transplant recipients. *Med Sci Sport and Exer* 2006;38(5):S20.

Pierce GL, Casey DP, Nichols WW, **Braith RW**. Effect of acute cold pressor test on amplitude and timing of central pressure wave reflection in young healthy adults. *Med Sci Sport and Exer* 2006;38(5):S185.

Casey DP, Pierce GL, Nichols WW, **Braith RW**. Measurement of pulse wave velocity and augmentation index is reproducible in young, healthy men. *Med Sci Sport and Exer* 2006;38(5):S185.

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Pierce GL, Schofield RS, Hamlin SA, Casey DC, Hill JA, **Braith RW**. Exercise Training Improves Vasodilation of Limb Resistance Vasculature and Attenuates Inflammation and Asymmetric Dimethylarginine in Heart Transplant Recipients. *Circulation* 2005;112(17):II-813.

Pierce GL, Mering MC, Howe KS, Nichols WW, **Braith RW**. Nine months of resistance exercise training does not increase central arterial stiffness in post-menopausal women. *Med Sci Sport and Exer* 2005;37(5):S219.

Mering MC, Pierce GL, Howe KS, Nichols WW, **Braith RW**. Elevated central arterial stiffness in normotensive postmenopausal women. *Med Sci Sport and Exer* 2005;37(5):S426.

Schofield RS, Pierce GL, Nichols WW, Aranda JM, Pauly DF, Klodell CT, Hill JA, **Braith RW**. Arterial stiffness is increased in end-stage heart failure patients on a left ventricular assist device. *J Am Coll Cardiology* 2005.

Pierce GL, Schofield RS, Nichols WW, Aranda JM, Pauly DF, Hill JA, **Braith RW**. Cardiac transplantation does not improve central arterial stiffness in patients with severe heart failure. *Circulation* 2004;110(17):III-705.

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VITAE: Randy Braith, Ph.D.

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VITAE: Randy Braith, Ph.D.

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VITAE: Randy Braith, Ph.D.

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VITAE: Randy Braith, Ph.D.

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VITAE: Randy Braith, Ph.D.

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Braith, RW, Graves JE, Pollock ML, Leggett SH, and Carpenter D. Effect of resistance training on the relationship between maximal strength and work capacity. Med Sci Sports Exer 1988;20:S87.

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MEDIA AND TECHNOLOGY

Braith RW, Stevens B, Kaminski T. Obtained a product Patent (UF#-1796) from the Office of Technology and Licensing (OTL) on December 4, 1997, for a novel Ketoacid/Aminoacid Metabolic Intervention (GAKIC) (ie. oral supplement) to enhance human muscle performance and recovery from fatigue. PI: Stevens B.

Braith RW, Stevens B, Kaminski T. Filed for National and International Patents (UF#-1796) from the Office of Technology and Licensing (OTL) on March 18, 2000, for a novel Ketoacid/Aminoacid Metabolic Intervention (ie. oral supplement) to enhance human muscle performance and recovery from fatigue. PI: Stevens B.

Braith RW, Stevens B, Kaminski T. Signed a 'Creator Income Distribution Agreement' with the University of Florida Research Foundation, Inc. October 1, 2001 with respect to the intellectual property listed above.

Braith RW, Stevens B, Kaminski T. GAKIC marketed through Iovate (Muscle Tech) August, 2005 nationally in GNC stores and other international outlets.

VITAE: Randy Braith, Ph.D.

REVIEWER FOR SCHOLARLY JOURNALS

American Journal of Cardiology
American Journal of Medical Sciences
American Journal of Transplantation
Canadian Journal of Applied Physiology
Cancer
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Clinical Science
Endocrinology and Endocrine Diseases
European Journal of Endocrinology
Geriatrics
Journal of American College Cardiology
Journal of Applied Physiology
Journal of CardioPulmonary Rehabilitation
Journal of Pharmacy and Pharmacology
Life Sciences
Medicine and Science in Sports and Exercise
Mayo Clinical Proceedings
Post Graduate Medicine
Regulatory Peptides
Spinal Cord

ASSOCIATE EDITOR FOR SCHOLARLY JOURNALS

Medicine and Science in Sports and Exercise
Journal of CardioPulmonary Rehabilitation and Prevention

PROFESSIONAL PRESENTATIONS

Braith RW. (slide presentation) “Enhanced external counter pulsation improves arterial function in patients with chronic stable angina.” American College of Sports Medicine annual meeting, Seattle, WA, May 28, 2009.

Braith RW. (Invited Presentation) “Secondary osteoporosis in solid organ transplant recipients.” University of Florida, College of Medicine, Department of Orthopaedics, May 13, 2009.

Braith RW. (Poster Presentation) “Peripheral endothelial function is a primary clinical target for enhanced external counterpulsation in patients with refractory angina.” American College of Cardiology 58th Annual Scientific Meeting, Orlando, FL, March 31, 2009.

Braith RW. (Invited Symposium) “Resistance training for the endurance athlete.” Running Medicine Conference, Department of Orthopaedics, College of Medicine, University of Florida, February 19, 2009.

VITAE: Randy Braith, Ph.D.

Braith RW. (Invited Seminar) “Enhanced external counterpulsation in patients with refractory angina.” College of Medicine, Department of Physiology and Functional Genomics, Gainesville, FL, November 3, 2008.

Braith RW, (Poster Presentation) “Impact of aging on central pressure wave reflection during exercise.” American College of Sports Medicine, Indianapolis, IN, May 29, 2008.

Braith RW. (Invited Symposium) “Benefits of Resistance Exercise in Heart Failure Patients.” American Heart Association Scientific Sessions, Orlando, FL, November 5, 2007.

Braith RW. (Invited Symposium) “Influence of Resistance Exercise on Risk Factors for Cardiovascular Disease.” American Academy of Physical Medicine and Rehabilitation, Boston, MA, October 30, 2007.

Braith RW. (Invited Symposium) “Osteoporosis After Organ Transplantation.” American Academy of Physical Medicine and Rehabilitation, Boston, MA, October 30, 2007.

Braith RW. (Invited presentation) “Enhanced External Counterpulsation Treatment Decreases Arterial Stiffness and Myocardial Oxygen Demand in Patients with Refractory Angina.” Department of Medicine Research Day, College of Medicine, University of Florida, Gainesville, FL, June 4, 2007.

Braith RW. (Slide presentation) “Enhanced External Counterpulsation Treatment Decreases Arterial Stiffness and Myocardial Oxygen Demand in Patients with Refractory Angina.” American College of Cardiology, New Orleans, LA, March 27, 2007.

Braith RW. (Invited Symposium Speaker) “Advances in the Management of Obesity: Exercise & Dietary Interventions.” American Academy of Physical Medicine and Rehabilitation, Honolulu, Hawaii, November 12, 2006.

Braith RW. (Invited Symposium Speaker) “Resistance Exercise Efficacy and Prescription Guidelines for Spinal Cord Injury, Stroke, Cardiovascular Disease, Obese, and Geriatric Patients: An Evidence-Based Approach.” American Academy of Physical Medicine and Rehabilitation, Honolulu, Hawaii, November 12, 2006.

Braith RW. (Invited Symposium Speaker) “Update on Osteoporosis and Exercise.” American Academy of Physical Medicine and Rehabilitation, Honolulu, Hawaii, November 9, 2006.

Braith RW. (Poster) “Effects of Resistance Exercise Training on Arterial Function in Young, Healthy Men and Women. American College of Sports Medicine, Integrative Physiology of Exercise meeting, Indianapolis, IN, September 28, 2006.

Braith RW. (Invited Symposium Speaker) “Resistance Training in Heart Failure: Guidelines for Prescription and Responses to Training.” American College of Sports Medicine, Denver, CO, May 31, 2006.

Braith RW. (Free Communication) “Endurance Exercise Training Improves Endothelial Function and Buffers Sympathetic Nervous System Hyperactivity in Heart Transplant Recipients.” American College of Sports Medicine, Denver, CO, May 31, 2006.

Braith RW. (Free Communication) “Peripheral Endothelial Dysfunction is Reversed and

VITAE: Randy Braith, Ph.D.

Inflammation is Attenuated Early After Heart Transplantation.” American College of Cardiology, Atlanta, GA, March 12, 2006.

Braith RW. (Poster Presentation) Exercise Training Improves Vasodilation of Limb Resistance Vasculature and Attenuates Inflammation and Asymmetric Dimethylarginine in Heart Transplant Recipients. American Heart Association Annual Scientific Sessions, Dallas, TX, November 15, 2005.

Braith RW. (Invited: Michael Pollock Tutorial Lecture) Exercise Physiology: Essential for Desired Outcomes After Heart Transplantation. American College of Sports Medicine Annual Meeting, Nashville, TN, June 2, 2005.

Braith RW. (Invited Symposia Presenter) Resistance Exercise Training in Patients with Chronic Heart Failure. American Heart Association Scientific Sessions, New Orleans, LA, November 9, 2004.

Braith RW. (Invited Symposia Presenter) Resistance Training in Health and Disease. American Association of Cardiovascular and Pulmonary Rehabilitation National Meeting, Long Beach, CA, October 8, 2004.

Braith RW. (Invited Presentation) Role of exercise training in weight loss and cardiac rehabilitation. 8th Annual Conference of Long-Term Complications of Treatment of Children & Adolescents for Cancer, Toronto, Canada, June 25-26, 2004.

Braith RW. (Keynote Lecture) Resistance training in cardiovascular disease. American College of Sports Medicine International Meeting, Indianapolis, IN, June 3, 2004.

Braith RW. (Slide Presentation) Hypertension and arterial stiffness after heart transplantation. American College of Sports Medicine International Meeting, Indianapolis, IN, June 4, 2004.

Braith RW. (Invited Seminar) Role of Cardiac Denervation in Heart Transplant Hypertension. Cleveland Clinic Foundation, Division of Heart Failure and Heart Transplantation, Cleveland, OH, December 2, 2003.

Braith RW. (Poster Presentation) Resistance Exercise Training Reverses Glucocorticoid-Induced Skeletal Muscle Myopathy in Heart Transplant Recipients. American Heart Association International Scientific Sessions, Orlando, FL, November, 9, 2003.

Braith RW. (Slide Presentation) Resistance Training Prevents Vertebral Osteoporosis in Lung Transplant Recipients. American Association of Cardiovascular and Pulmonary Rehabilitation National Meeting, Kansas City, KS, October 18, 2003.

Braith RW. (Slide Presentation) Transplant Osteoporosis. American Association of Cardiovascular and Pulmonary Rehabilitation National Meeting, Kansas City, KS, October 17, 2003.

Braith RW. (Slide Presentation) High-Dose ACE Inhibition Prevents Fluid Retention in Heart Transplant Recipients. American Heart Association Second Asia Pacific Scientific Forum: New Discoveries in Cardiovascular Disease and Stroke: Bench to Bedside to Community, Honolulu, Hawaii, June 9, 2003.

VITAE: Randy Braith, Ph.D.

Braith RW. (Invited Presentation) Strength Training in the Management of Patients with Pulmonary Disease. American Association of Cardiovascular and Pulmonary Rehabilitation, Orlando, FL, June 14, 2003.

Braith RW. (Slide Presentation) Bone Mineral Density Changes in the Axial and Appendicular Skeleton in Heart Transplant Recipients. American College of Sports Medicine International Meeting, San Francisco, CA, May 31, 2003.

Braith RW. (Slide Presentation) Nasal Calcitonin Does Not Prevent Vertebral Osteoporosis in Heart Transplant Recipients. American College of Sports Medicine International Meeting, San Francisco, CA, May 30, 2003.

Braith RW. (Invited Seminar) Post Transplant Management of Heart Transplant Recipients. American Heart Association, Alachua Division Meeting, Gainesville, FL, May 20, 2003.

Braith RW. (Invited Seminar) Cardiac Denervation Causes Hypertension in Heart Transplant Recipients. Department of Physiological Sciences, University of Florida Medical School. Gainesville, FL., February 11, 2003.

Braith RW. (Poster Presentation) C-Reactive Protein and IL-6 Are Modified By Cardiac Rehabilitation. American Association of Cardiovascular and Pulmonary Rehabilitation National Meeting, Charlotte, NC, September 27, 2002.

Braith RW. (Slide Presentation) Nasal Calcitonin Spray Does Not Prevent Glucocorticoid-Induced Osteoporosis In Heart Transplant Recipients. American Association of Cardiovascular and Pulmonary Rehabilitation National Meeting, Charlotte, NC, September 27, 2002.

Braith RW. (Slide Presentation) Resistance Training Attenuates Glucocorticoid-Induced Osteoporosis in Lung Transplant Recipients. American College of Sports Medicine International Meeting, St. Louis, MO, May 29, 2002.

Braith RW. (Invited Seminar) Osteoporosis in Liver Transplant Recipients. Department of Medicine, Division of Gastroenterology, Hepatology, and Nutrition, University of Florida. December 6, 2001.

Braith RW. (Invited Seminar) Role of Cardiac Rehabilitation in Heart Failure. InterUniversity Consortium For Cardiovascular Diseases, Riccione, Italy, November 10, 2001.

Braith RW. (Invited Seminar) Homeostatic Mechanisms After Orthotopic Heart Transplantation. InterUniversity Consortium For Cardiovascular Diseases, Rimini, Italy, November 9, 2001.

Braith RW. (Invited Seminar) Role of Cardiac Rehabilitation in Heart Transplantation. InterUniversity Consortium For Cardiovascular Diseases, Riccione, Italy, November 8, 2001.

Braith RW. (Slide Presentation) Resistance Exercise Training Reverses Glucocorticoid-Induced Osteoporosis in Lung Transplant Recipients. American Association of Cardiovascular and Pulmonary Rehabilitation National Meeting, Minneapolis, MN, September 14, 2001.

VITAE: Randy Braith, Ph.D.

Braith RW. (Invited Seminar) Cardiac Rehabilitation: Clinical Issues. Florida Association of Cardiovascular and Pulmonary Rehabilitation, Daytona Beach, FL, June 24, 2001.

Braith RW. (Slide Presentation) Resistance Exercise Plus Alendronate Reverses Steroid-Induced Osteoporosis in Liver Transplant Recipients. American College of Sports Medicine National Meeting, Baltimore MD, June 2, 2001.

Braith RW. (Slide presentation) Resistance Exercise Plus Alendronate Reverses Glucocorticoid-Induced Osteoporosis in Heart Transplant Recipients. American Heart Association, New Orleans, LA, November 13, 2000.

Braith RW. (Slide Presentation) Resistance Exercise Training and Alendronate Reverses Steroid-Induced Osteoporosis in Heart Transplant Recipients. American Association of Cardiovascular and Pulmonary Rehabilitation National Meeting, Tampa, FL, September 22, 2000.

Braith RW. (Invited Seminar) Antiosteoporosis Therapy In Organ Transplant Recipients. 6th Annual "Care For Transplant Recipients" Symposium. Orlando, FL, June 16, 2000.

Braith RW. (Invited Seminar) Bone Disease In Organ Transplant Recipients. 6th Annual "Care For Transplant Recipients" Symposium. Orlando, FL, June 16, 2000.

Braith RW. (slide presentation) Resistance exercise prevents steroid-induced osteoporosis in liver transplant recipients. American College of Sports Medicine National Meeting, Indianapolis, IN, June 2, 2000;

Braith RW. (Slide Presentation) Severe osteoporosis in patients before and after lung transplantation. American College of Sports Medicine National Meeting, Indianapolis, IN, June 2, 2000.

Braith RW. (Invited Seminar) Exercise Training for Heart Transplant Recipients. Cardiac and Pulmonary Rehabilitation Conference, Satilla Regional Medical Center, Waycross, GA, March 31, 2000.

Braith RW. (Invited Seminar) Rehabilitation of the Congestive Heart Failure Patient. Cardiac and Pulmonary Rehabilitation Conference, Satilla Regional Medical Center, Waycross, GA, March 31, 2000.

Braith RW. (Professional Meeting) Rate Responsive Pacing Improves Exercise Tolerance in Heart Transplant Recipients. American College of Cardiology Annual Meeting, Anaheim, CA, March, 2000.

Braith RW. (Invited Seminar) Salt Sensitive Hypertension in Heart Transplant Recipients. Department of Nephrology, College of Medicine, University of Florida, Gainesville, FL, March 2, 2000.

Braith RW. (oral presentation) Rate Responsive Pacing Improves Exercise Tolerance in Heart Transplant Recipients. American College of Cardiology Annual Meeting, Anaheim, CA, March 16, 2000.

VITAE: Randy Braith, Ph.D.

Braith RW. (Invited Seminar) Resistance Training in Cardiovascular Disease Patients. Cardiac and Pulmonary Rehabilitation Conference, Satilla Regional Medical Center, Waycross, GA, March 30, 2000.

Braith RW. (Invited Seminar) Resistance Training in Cardiovascular Disease Patients. Cardiac and Pulmonary Rehabilitation Conference, Satilla Regional Medical Center, Waycross, GA, February 20, 1999.

Braith RW. (Invited Seminar) Strength Training in the Elderly Patient with Heart Disease. Cardiac and Pulmonary Rehabilitation Conference, Satilla Regional Medical Center, Waycross, GA, February 20, 1999.

Braith RW. (Invited Seminar) Resistance Training to Prevent Steroid-Induced Osteoporosis in Organ Transplant Recipients. Cardiac and Pulmonary Rehabilitation Conference, Satilla Regional Medical Center, Waycross, GA, February 20, 1999.

Braith RW. (Invited Seminar) Exercise After Heart Transplantation. Department of Rehabilitation Counseling, University of Florida, Gainesville, FL, March 16, 1999.

Braith RW. (Invited Seminar) Resistance Training Prevents Steroid-Induced Osteoporosis in Organ Transplant Recipients. Omega Osteoporosis Symposium, Munich, Germany, March 24, 1999.

Braith RW. (Invited Seminar) Osteoporosis in Organ Transplant Recipients. German National Press Corps, Munich, Germany, March 23, 1999.

Braith RW. (Oral Presentation) Rate Responsive Cardiac Pacing Increases Exercise Capacity in Heart Transplant Recipients. American College of Sports Medicine Annual Meeting, Seattle, WA, June 4, 1999.

Braith RW. (Invited Seminar) Glucocorticoid-induced Osteoporosis in Solid Organ Transplant Recipients. Fifth Annual "Care For Transplant Recipients" Symposium. Orlando, FL, June 10, 1999.

Braith RW. (Invited Seminar) Hemodynamic Responses To Exercise In Heart Transplant Recipients Early And Late After Transplantation. Heart Failure Heart Transplantation Grand Rounds, Department of Medicine, University of Florida, September 15, 1999.

Braith RW. (Invited Seminar) Osteoporosis In Organ Transplant Recipients. Department of Surgery, Division of Abdominal Surgery, University of Florida, October 12, 1999.

Braith RW. (Invited Symposium) Resistance Training to Prevent Steroid-Induced Osteoporosis. Southeast Abdominal Organ Transplant Conference, University of Florida, October 22, 1999.

Braith, R.W. (oral presentation) Exercise Physiology for Heart Transplant Recipients. Southeast American College of Sports Medicine Meeting, Destin, Florida, January 31, 1998.

Braith, R.W. (Invited Seminar) "Rehabilitation of the Heart Transplant Recipient." American Association of Cardiovascular and Pulmonary Rehabilitation Meeting. Orlando, Florida, March 12, 1998.

VITAE: Randy Braith, Ph.D.

Braith RW. (Invited Seminar) Breakdown of Blood Pressure and Fluid Volume Regulation in Heart Transplant Recipients. Department of Medicine, Division of Cardiology, University of Florida, May 6, 1998.

Braith, R.W. (oral presentation) "Exercise After Heart Transplantation: Challenges Conferred by Chronic Denervation and Steroid Therapy." American College of Sports Medicine National meeting, Orlando, Florida, June 6, 1998.

Braith, R.W. (oral presentation) "Bone Mineral Density in Heart, Liver, and Lung Failure Patients Before Transplantation." American College of Sports Medicine National meeting, Orlando, Florida, June 6, 1998.

Braith RW. (Invited Symposium) Resistance Training: Current Trends. MedX Back Rehabilitation Conference. San Diego, California, Friday, July 31, 1998.

Braith RW. (Invited Symposium) Resistance Training Reverses Steroid-Induced Osteoporosis. MedX Back Rehabilitation Conference. San Diego, California, Saturday, August 1, 1998.

Braith RW. (Invited Symposium) Resistance Training for the Moderate Risk Client. American Heart Association Cardiopulmonary Rehabilitation Conference, Jupiter, Florida, August 8, 1998.

Braith R.W. (oral presentation) "Exercise After Heart Transplantation: Challenges Conferred by Chronic Denervation and Steroid Therapy." American College of Sports Medicine Annual Meeting, Orlando, FL, June 6, 1998.

Braith RW. (Invited Seminar) Steroid-Induced Osteoporosis in Heart Transplant Recipients at Shands Hospital at the University of Florida. Division of Cardiology, University of Florida Medical School, Gainesville, Florida, September 16, 1998.

Braith RW. (Invited Seminar) Glucocorticoid-induced Osteoporosis in Organ Transplant Recipients. Center for Exercise Science, College of Health and Human Performance, September 25, 1998.

Braith RW. (Invited Symposium) Strength Training in The Elderly Patient With Heart Disease--Risk vs Benefit. American Association of Cardiovascular and Pulmonary Rehabilitation national meeting, Denver, CO, October 15, 1998.

Braith RW. (Oral Presentation) Resistance Exercise Restored Bone Mineral Density in an Osteoporotic Patient Before Lung Transplantation. American Association of Cardiovascular and Pulmonary Rehabilitation National Meeting, Denver, CO, October 16, 1998.

Braith RW. (Oral Presentation) High-Dose ACE Inhibition Normalizes Renal Salt and Water Handling in Heart Transplant Recipients. American Heart Association International 71st Scientific Sessions, Dallas, Texas, November 10, 1998.

Braith RW. (Invited Seminar) Post-Transplant Exercise Therapy. Division of Social Services, Shands Hospital, University of Florida, Gainesville, FL, December 17, 1998.

VITAE: Randy Braith, Ph.D.

Braith R.W. (oral presentation) “High-Dose ACE Inhibition Reverses Extracellular Fluid Volume Expansion in Heart Transplant Recipients.” American Heart Association 70th Scientific Sessions, Orlando, FL, November 12, 1997.

Braith, R.W. (invited lecture) “Cardiac Rehabilitation.” Brazilian Exercise Physiology Workshop, University of Florida, July 2, 1997.

Braith, R.W. (invited seminar) “Exercise Prescription and Training in Heart Failure.” Cardiopulmonary Rehabilitation Symposium: Status ‘97. Orlando, Florida, February 24, 1997.

Braith, R.W. (invited seminar) “Resistance Training for Health and Disease.” Cardiopulmonary Rehabilitation Symposium: Status ‘97. Orlando, Florida, February 24, 1997.

Braith, R.W. (invited seminar) “Resistance Training in Cardiovascular Patients.” American Association of Cardiovascular and Pulmonary Rehabilitation National Meeting, Dallas, TX, November 14, 1997.

Braith R.W. (symposia) Exercise Responses Following Heart Transplantation. Southeast Chapter of American College of Sports Medicine Annual Meeting, Atlanta, GA, January 24, 1997.

Braith R.W. (oral presentation) Resistance Exercise Prevents Glucocorticoid-Induced Myopathy in Heart Transplant Recipients. Southeast Chapter of American College of Sports Medicine Annual Meeting, Atlanta, GA, January 25, 1997.

Braith, R.W. (invited seminar) “Congestive Heart Failure, Heart Transplantation, and Exercise.” Jacksonville All-City Cardiac Rehabilitation Meeting, Jacksonville, Florida, January 21, 1997.

Braith R.W. (oral presentation) Nitric Oxide Production in Heart Transplant Recipients Immunosuppressed With Cyclosporine. American College of Sports Medicine Annual Meeting, Denver, CO, May 28, 1997.

Braith, R.W. (invited seminar) “Exercise is Medicine.” Medical Guild Fourth Annual Mini Medical School, University of Florida College of Medicine, Gainesville, Florida, March 19, 1997.

Braith, R.W. (invited seminar) “Rehabilitation of the Solid Organ Transplant Recipient.” Monroe General Hospital, Ocala, Florida, September 23, 1997.

Braith, R.W. (invited seminar) “Resistance Training in Heart Failure Patients and Heart Transplant Recipients.” Cardiopulmonary Rehabilitation Symposium: Status 1996, Orlando Florida, February 25-27, 1996.

Braith, R.W. (invited seminar) “Post Transplant Hypertension: Role of Denervation, Diet, and Antihypertensives.” Cardiopulmonary Rehabilitation Symposium: Status 1996, Orlando, Florida, February 25-27, 1996.

Braith R.W. (oral presentation) “Cardiac Output Responses During Exercise in Volume Expanded Heart Transplant Recipients.” American College of Sports Medicine Annual Meeting, Cincinnati, OH, May 31, 1996.

VITAE: Randy Braith, Ph.D.

Braith, R.W. (invited seminar) "Homeostatic Mechanisms in Heart Transplant Recipients." Department of Physiology, University of Florida, Gainesville, Florida, September 28, 1996.

Braith R.W. (oral presentation) Neuroendocrine Hyperactivity in Heart Failure is Buffered by Endurance Exercise Training. American Heart Association 69th Scientific Sessions, New Orleans, LA, November 11, 1996.

Braith R.W. (oral presentation) "Resistance Exercise Training Restores Bone Mineral Density After Heart Transplantation." American College of Sports Medicine Annual Meeting, Minneapolis, MN, June 1, 1995.

Braith R.W. (oral presentation) "Extracellular Fluid Volume is Expanded in Heart Transplant Recipients." American Heart Association 68th Scientific Sessions, Anaheim, CA, November 15, 1995.

Braith R.W. (oral presentation) "Effect of Chronic Bilateral Renal Denervation on Renal Responses to Acute Nitric Oxide Blockade and L-Arginine Infusion." American Society of Nephrology 28th Annual Meeting, San Diego, CA, November 7, 1995.

Braith, R.W. (invited seminar) "Renal Function in Heart and Liver Transplant Recipients." Department of Physiology, University of Florida, Gainesville, Florida, October 7, 1995.

Braith, R.W. (invited seminar) "Cardiac Denervation Promotes Hypertension." Grand Rounds of Cardiology, Department of Medicine, University of Florida, Gainesville, Florida, February 12, 1994.

Braith, R.W. (invited seminar) "Cardiac Denervation Alters Renal Function in Heart Transplant Recipients." Department of Nephrology, University of Florida, Gainesville, Florida, March 5, 1994.

Braith, R.W. (invited seminar) "Neuroendocrine Hyperactivity After Heart Transplantation." Center For Exercise Science, University of Florida, Gainesville, Florida, April 27, 1994.

Braith, R.W. (invited seminar) "Role of Cardiac Deafferentation in Promoting Salt Sensitive Hypertension." Department of Physiology, West Virginia University, September 21, 1994

Braith, R.W. (invited seminar) "Osteoporosis Compromises Outcomes After Heart Transplantation." Heart Transplantation Program, Allegheny General Hospital, Pittsburgh, Pennsylvania, November 9, 1994.

Braith, R.W. (invited seminar) "Hypertension After Heart Transplantation." Department of Nuclear Cardiology, Allegheny General Hospital, Pittsburgh, Pennsylvania, December, 1994.

Braith R.W. (oral presentation) "Abnormal Cardiorenal Neural Reflex in Heart Transplant Recipients." American Heart Association 67th Scientific Sessions, Dallas, TX, November 16, 1994.

Braith, R.W. (oral presentation) "The Influence of Exercise Training and Diuretics on the Renin-Aldosterone System of Hypertensive Elderly." American Geriatrics Society Annual Meeting, Atlanta, GA, May 20, 1994.

VITAE: Randy Braith, Ph.D.

Braith R.W. (poster presentation) "Rapid Loss of Vertebral Bone Mineral Density After Heart Transplantation." American College of Sports Medicine Annual Meeting, Indianapolis, IN, June 3, 1994.

Braith, R.W. (invited seminar) "Role of Cardiac Deafferentation in Promoting Salt Sensitivity." Hypertension Investigator's Meeting, Amelia Island Plantation, Florida, May 21, 1994.

Braith, R.W. (invited seminar) "Homeostatic Mechanisms After Cardiac Denervation." Department of Medicine, University of Florida, Gainesville, Florida, December 12, 1993.

Braith, R.W. (invited seminar) "Physiologic Adaptations After Cardiac Denervation." Department of Physiology, University of Florida, Gainesville, Florida, December 9, 1993.

Braith, R.W. (invited seminar) "Hypertension in Cardiac Denervated Patients." Department of Pharmacodynamics, University of Florida, Gainesville, Florida, November 25, 1993.

Braith, R.W. (invited seminar) "Fluid Volume and Blood Pressure Regulation After Heart Transplantation." Department of Physiology, College of Medicine, University of Florida, November 9, 1993.

Braith, R.W. (oral presentation) "Endocrine Basis for Fluid Balance Abnormalities in Heart Transplant Recipients." American Heart Association 66th Scientific Sessions, Atlanta, Ga, November 9, 1993.

Braith, R.W. (invited seminar) "Role of Cardiac Volume Receptors in Body Fluid Regulation." NASA Research Center at Ames Air Force Base, Mountainview, CA, July 9, 1993.

Braith, R.W. (invited seminar) "Pulmonary Function Before and After Cardiac Transplantation." Medical Center Hospital, Port Charlotte Florida, January 14, 1993.

Braith, R.W. (oral presentation) "Influence of Exercise Training on Resting Blood Pressure and Plasma Catecholamines in Normotensive Elderly." American Geriatrics Society Annual Meeting, Chicago, IL, May 12, 1993.

Braith, R.W. (oral presentation) "Muscle Strength in Heart Transplant Recipients." American College of Sports Medicine Annual Meeting, Seattle, WA, June 2, 1993.

Braith, R.W. (oral presentation) "Exercise Induced Hypoxia in Heart Transplant Patients." InterAmerican Congress of Cardiology, Orlando, FL, May 25, 1992.

Braith, R.W. (invited seminar) "Endocrine Responses During Exercise in Heart Transplant Recipients." Department of Surgery, College of Medicine, University of South Florida, Tampa, Florida, March 3, 1992.

Braith, R.W. (oral presentation) "Influence of Pulmonary Diffusion Capacity on Exercise Induced Hypoxia in Orthotopic Heart Transplant Patients." American Heart Association 64th Scientific Sessions, Anaheim, CA, November 11, 1992.

VITAE: Randy Braith, Ph.D.

Braith, R.W. (oral presentation) "Blood Gas Dynamics at the Onset of Exercise in Orthotopic Heart Transplant Recipients." American College of Sports Medicine Annual Meeting, Orlando, FL, May 30, 1991.

Braith, R.W. (oral presentation) "Does High Intensity Exercise Training Adversely Effect Blood Pressure in the Elderly?" American College of Cardiology 40th Scientific Sessions, Atlanta, GA, March 6, 1991.

Braith, R.W. (invited seminar) "Neuroendocrine and Cardiopulmonary Responses to Exercise in Cardiac Transplant Patients." Department of Physiology, College of Medicine, University of Florida, September 21, 1991.

Braith, R.W. (invited seminar) "Plasma volume regulation after Orthotopic Heart Transplantation." Grand Rounds of Cardiology, College of Medicine, University of Florida, Gainesville, Florida, June 3, 1991.

Braith, R.W. (invited seminar) "Weight training in Cardiac Rehabilitation." CardioPulmonary Rehabilitation Symposium:Status 1991, Gainesville, Florida, January 23, 1991.

Braith, R.W. (invited seminar) "Hemodynamic Responses To Exercise In The Heart Transplant Patient."Department of Physiology, University of Florida, Gainesville, Florida, March 29, 1990.

Braith, RW. (invited seminar) Reliability of a Modified Acetylene Rebreathing Method for the Determination of Cardiac Output. American College of Sports Medicine Southeast Chapter Meeting, Columbia, SC, February 3,1990.

Braith, RW. (poster presentation) "The Influence of Exercise Training on the Renin-Aldosterone System of the Elderly." American College of Sports Medicine National Meeting, Salt Lake City, UT, May 22,1990.

Braith RW. (invited seminar) "Resistance Training: A Safe Supplemental Exercise For CardioPulmonary Patients." CardioPulmonary Rehabilitation Symposium: Status 1989, Orlando, Florida, February 14, 1989.

Braith, RW. (oral presentation) "Effect of Resistance Training on the Relationship Between Maximal Strength and Work Capacity." American College of Sports Medicine Annual Meeting, Dallas, TX, May 28,1988.

Braith, RW. (poster presentation) Comparison of Two Versus Three Days Per Week of Resistance Training. Southeast Chapter of American College of Sports Medicine Annual Meeting, Winston Salem, NC, January 30, 1988.

Braith, RW. (invited seminar) "Exercise Benefits in the Elderly." Wellness and Aging Symposium, VA Medical Center, Gainesville, Florida, September 21, 1987.

Braith, RW. (invited seminar) "The Diabetic as an Athlete." American Diabetic Association, Florida Chapter, annual meeting, Port Charlotte, Florida, January 9, 1986.

VITAE: Randy Braith, Ph.D.

Braith, RW. (invited seminar) "Pulmonary Rehabilitation: The First Year." American Society for The Heart and Lung, Florida Chapter, annual meeting, Punta Gorda, Florida, March 15, 1985.

SYMPOSIA/CONFERENCE ORGANIZER

1. **Braith RW.** Vascular Biology Conference. University of Florida, Gainesville, FL, February 17, 2006.
2. **Braith RW.** American Association of Cardiovascular and Pulmonary Rehabilitation National Meeting, Long Beach, CA, October 8, 2004. "Resistance Training in Health and Disease."
3. **Braith RW.** American Association of Cardiovascular and Pulmonary Rehabilitation National Meeting, Kansas City, KS, October, 2003. "From Heart Failure to Heart Transplantation: Therapeutic Role of Exercise Training."
4. **Braith RW.** American College of Sports Medicine National Meeting, San Francisco, CA, May 31, 2003. "From Heart Failure to Heart Transplantation: Therapeutic Role of Exercise Training."
5. **Braith RW.** American College of Sports Medicine National Meeting, St. Louis, MO, June 4, 2001. "Exercise and Heart Failure: Scientific Principles to Practice."
6. **Braith RW.** American College of Sports Medicine National Meeting, Orlando, FL, June 6, 1998. "Recent Advances in Exercise Physiology for Heart Failure and Heart Transplantation Patients."
7. **Braith RW.** Cardiopulmonary Rehabilitation Symposium: Status 1998. Orlando, FL, February, 1998.
8. **Braith RW.** American College of Sports Medicine Southeast Chapter, Sandestin, FL, January 31, 1998. "Exercise Physiology for Heart and Lung Transplant Recipients."
9. **Braith RW.** Cardiopulmonary Rehabilitation Symposium: Status 1997. Orlando, FL, February 24-26, 1997.
10. **Braith RW.** American College of Sports Medicine Southeast Chapter, Atlanta, GA, January 24, 1997. "Acute Responses and Chronic Adaptations to Exercise in Heart Failure and Following Heart Transplantation."
11. **Braith RW.** Coaches Symposium Sponsored by College of Health and Human Performance, Gainesville, FL, June 8, 1996. "Improving Muscular Strength and Conditioning for Athletes."
12. **Braith RW.** Cardiopulmonary Rehabilitation Symposium: Status 1996, Orlando FL, February 25-27, 1996.

SYMPOSIA CHAIRPERSON

VITAE: Randy Braith, Ph.D.

1. **Braith RW.** Vascular Biology Workshop. Hosted within the Department of Applied Physiology and Kinesiology, University of Florida, Gainesville, FL, February 17, 2006.
2. **Braith RW.** American Association of Cardiovascular and Pulmonary Rehabilitation National Meeting, Kansas City, KS, October, 2003. "From Heart Failure to Heart Transplantation: Therapeutic Role of Exercise Training."
3. **Braith RW.** American College of Sports Medicine National Meeting, San Francisco, CA, May 31, 2003. "From Heart Failure to Heart Transplantation: Therapeutic Role of Exercise Training."
4. **Braith RW.** American Association of Cardiovascular and Pulmonary Rehabilitation National Meeting, Minneapolis, MN, September 14, 2001. "Interpreting Physician Jargon and Test Results for Patients."
5. **Braith RW.** American College of Sports Medicine 45th National Meeting, Orlando, FL, June 6, 1998. "Recent Advances in Exercise Physiology for Heart Failure and Heart Transplantation Patients."
6. **Braith RW.** Southeast Chapter American College of Sports Medicine Annual Meeting, Atlanta, GA, January 24, 1997. "Acute Responses and Chronic Adaptations to Exercise in Heart Failure and Following Heart Transplantation."
7. **Braith RW.** Southeast Chapter American College of Sports Medicine Annual Meeting, Chattanooga, TN, February 3, 1996. "An Electrophysiologic Primer to Electrocardiography."

RESEARCH GRANTS and AWARDS

2008-2009 University of Florida Institute on Aging. "*The Influence of Resistance Exercise on Physical Function, Depression, Quality of Life, Muscle Morphology and Bone Metabolism in Stroke Patients.*"
Co-I: Randy W. Braith; \$63,800

National Institutes of Health (NHLB). "*University of Florida Hypertension Center T32 Training Grant.*"
Co-I: Randy W. Braith; \$800,000

2007-2012 National Institutes of Health (NIA). "*Claude D. Pepper Older Americans Independence Center (OAIC) Grant.*"
Co-I: Randy W. Braith; \$756,000

2006-2007 University of Florida Research Foundation. "*The Effects of Teriparatide in Treating Glucocorticoid-Induced Osteoporosis.*"
PI: Randy W. Braith; \$35,048

2006-2009 National Multiple Sclerosis Society. "*Neuromuscular Adaptations to Resistance Training in Multiple Sclerosis.*"

VITAE: Randy Braith, Ph.D.

Co-I: Randy W. Braith; \$219,799

2006-2007 Research Opportunity Fund, College of Health and Human Performance. *“The Effects of Teriparatide in Treating Glucocorticoid-Induced Osteoporosis.”*

PI: Randy W. Braith; \$5,375

2004-2009 National Institutes of Health (NHLBI). *“Effects of Enhanced External Counterpulsation (EECP) on Arterial Function.”*

PI: Randy W. Braith; \$1,191,250

2004-2006: American Heart Association, Florida/Puerto Rico Affiliate. *“Effects of EECP of Peripheral Vascular Biology.” (declined in favor of overlapping NIH grant)*

PI: Randy W. Braith; \$120,000

2003-2008: National Institutes of Health (NHLBI). *“Heart Failure and A Controlled Trial Investigating Outcomes of Exercise Training (HF-ACTION).”*

Co-I: Randy W. Braith; \$470,500

2003-2005: American Heart Association, Florida/Puerto Rico Affiliate. *“Peripheral Endothelial Dysfunction and Plasma Inflammatory Markers in Heart Transplant Recipients: Effects of Exercise.”*

PI: Randy W. Braith; \$38,000.

2002-2004: American Heart Association, Florida/Puerto Rico Affiliate. *“Endothelial Dysfunction and Arterial Stiffness in Heart Transplant Recipients.”*

PI: Randy W. Braith; \$120,000

2002-2003: College of Health and Human Performance, University of Florida. *“The Effect of Treatment With Enhanced External Counterpulsation on Peripheral Endothelial Function and Coronary Collateral Development In Elderly Coronary Artery Disease.”*

PI: Randy W. Braith; \$17,200

2001-2003: Florida Department of Health. *“Steroid-Induced Osteoporosis In Lung Transplant Recipients.”*

PI: Randy W. Braith; \$142,000

2001-2002: American Heart Association, Florida/Puerto Rico Affiliate. *“Oxidative Stress In Resistance Trained Heart Transplant Recipients.”*

PI: Randy W. Braith; \$3,000

2000-2002: American Heart Association, Florida/Puerto Rico Affiliate. *“Endothelial Dysfunction and Arterial Stiffness in Chronic Heart Failure.”*

PI: Randy W. Braith; \$30,000.

2000-2002: American Heart Association, Florida/Puerto Rico Affiliate. *“Steroid-Induced Osteoporosis and Skeletal Muscle Myopathy in Heart Transplant Recipients.”*

PI: Randy W. Braith; \$102,455.

2000-2002: Merck Pharmaceutical Company, West Point, PA. *“Steroid-Induced Osteoporosis in Organ Transplant Recipients.”*

VITAE: Randy Braith, Ph.D.

PI: Randy W. Braith; \$15,000

2000-2001: Mike Pollock Research Award. “*Endothelial Dysfunction and Arterial Stiffness in Chronic Heart Failure.*”

Co-I: Randy W. Braith; \$2,500.

1999-2000: Genentech Foundation for Growth and Development. “*Somatropin for Short Stature in Children with Biliary Atresia after Liver Transplantation.*”

Co-I: Randy W. Braith; \$100,000.

1998-2000: American Heart Association, Southeast Region. “*Steroid-Induced Osteoporosis in Heart Transplant Recipients.*”

PI: Randy W. Braith; \$55,168.

1998-1999: American Lung Association, Florida Affiliate. “*Steroid-Induced Osteoporosis in Lung Transplant Recipients.*”

PI: Randy W. Braith; \$20,000.

1997-1999: Cardiology Clinical Trails, University of Florida Foundation. “*Fluid Homeostasis and Blood Pressure Regulation in Heart Transplant Recipients.*”

PI: Randy W. Braith and Roger Mills, M.D. \$14,000

1997-1998: Sandoz Pharmaceutical Corporation. *Hypertension After Cardiac Transplantation.*”

PI: Randy W. Braith; \$30,000.

1996-1997: American Heart Association, Florida Affiliate. Fellowship for Tad Brown, 2nd year medical student, to study in my laboratory. *Effect of Rate Responsive Cardiac Pacing on Exercise Tolerance in Cardiac Transplant Recipients.*

PI: Randy W. Braith \$3,600.

1996-1997: Division of Sponsored Research (DSR-D), University of Florida. *Steroid-Induced Osteoporosis in Organ Transplant Recipients.*

PI: Randy W. Braith \$10,000.

1995-1998: Baxter Extramural Research Program. *Influence of Aging on Plasma Renin, Angiotensin, and Aldosterone Levels.* PI: Chris Baylis, Ph.D.;

Co-I Randy W. Braith \$120,000.

1995-1996: Biomedical Research Support Grant, West Virginia University (#9410-419). *Nitric Oxide Production in Transplant Recipients Immunosuppressed With Cyclosporine.*

PI: Randy W. Braith \$3,175.

1994-1996: Research Award, Division of Cardiovascular Medicine, University of Florida College of Medicine, *Angiotensin Converting Enzyme Inhibitors in Heart Transplant Recipients.*

PI: Randy W. Braith \$10,000

1994-1998: NIH Clinical Research Center Grant (#RR00082), *Fluid Volume and Blood Pressure Regulation After Heart Transplantation Study.*

PI: Randy W. Braith \$49,300.

VITAE: Randy Braith, Ph.D.

1994: Research Award, Heart Transplantation Program, University of Florida,
Parasympathetic Cardiac Innervation After Heart Transplantation.
PI: Randy W. Braith and Roger M. Mills \$30,000

1993-1994: American Heart Association, Florida Affiliate. Fellowship for Suzanne Beavers, 2nd year medical student, to study in my laboratory. *Cardiac Pacing in Cardiac Transplant Recipients.*
PI: Randy W. Braith and Roger M. Mills \$3,600.

1993: New Faculty Grant (#93100516), Division of Sponsored Research, University of Florida,
Fluid Balance in Heart Transplant Patients.
PI: Randy W. Braith \$15,000

1993: Hypertension Center Research Grant, University of Florida College of Medicine,
Fluid Balance Abnormalities in Heart Transplant Patients.
PI: Randy W. Braith. \$1,500

1993: Research Award, Division of Cardiology, University of Florida College of Medicine,
Role of Cardiac Denervation in Hypertension.
PI: Randy W. Braith. \$5,000

1993: NIH Heart Lung and Blood Institute Grant (F32 HL08777),
De Novo Hypertension After Cardiac Transplantation.
PI: Randy W. Braith. \$43,000

1992: NIH Clinical Research Center Grant (#RR00082), *Hypertension in Heart Transplant Recipients.*
PI: Randy W. Braith \$35,800.

1992: Research Fellowship, College of Medicine Foundation, University of Florida,
Renal Function in Cardiac Transplant Recipients.
PI: Randy W. Braith \$20,000

1992: Postdoc Research Award, Division of Sponsored Research, University of Florida,
Endocrine Hyperactivity in Heart Transplant Recipients.
PI: Randy W. Braith \$20,000

1989: Graduate Research Award, Division of Sponsored Research, University of Florida,
Endocrine Responses To Exercise In Heart Transplant Patients.
PI: Randy W. Braith \$10,000

PENDING GRANTS:

Florida Department of Health. “Teriparatide to Prevent Osteoporosis in Lung Transplant Candidates”
Co-PI/Mentor: Randy W. Braith; Direct Costs: \$375,000 Indirect Costs: \$37,500

American Heart Association. “Effects of Exercise Training on Cardiovascular Risk Factors and

VITAE: Randy Braith, Ph.D.

Comorbidities in Patients with Stroke.”

Co-PI/Mentor: Randy W. Braith; Direct Costs:\$43,540 Indirect Costs: \$0.00

ACTIVE RESEARCH PROTOCOLS

“Effects of Enhanced External Counterpulsation in Patients With Refractory Anginal Symptoms.”
Funded by the National Institutes of Health and the American Heart Association. Principal Investigator,
Randy W. Braith, Ph.D.

“Endothelial Dysfunction and Arterial Stiffness in Heart Transplant Recipients.” Funded by the
American Heart Association. Principal Investigator, **Randy W. Braith, Ph.D.**

“The Effects of Teriparatide in Treating Glucocorticoid-Induced Osteoporosis.” Funded by the
University of Florida Research Foundation. Principal Investigator, **Randy W. Braith, Ph.D.**

“Heart Failure and A Controlled Trial Investigating Outcomes of Exercise Training (HF-ACTION).”
Funded by National Institutes of Health. Sub-Investigator, **Randy W. Braith, Ph.D.**

“Peripheral Endothelial Dysfunction and Plasma Inflammatory Markers in Heart Transplant Recipients:
Effects of Exercise.” Funded by American Heart Association, Florida/Puerto Rico Affiliate.
Co-Principal Investigator, **Randy W. Braith, Ph.D.**

TEACHING/MENTORING:

GRADUATE DEGREE PROGRAM CREATED

Created and Developed a New Master’s Degree Specialization in Clinical Exercise Physiology,
Department of Exercise and Sport Sciences, College of Health and Human Performance, University of
Florida, 1996.

GRADUATE COURSES CREATED

Cardiac Physiology (EXPH 3091), New graduate course created by **R.W. Braith**, Department of
Medicine, West Virginia University, 1995.

Cardiopulmonary Pathologies (APK 6126), New graduate course created by **R.W. Braith**, Department
of Applied Physiology and Kinesiology, College of Health and Human Performance, University of
Florida, 1996.

EKG Interpretation (APK 6128), New graduate course created by **R.W. Braith**, Department of Applied
Physiology and Kinesiology, College of Health and Human Performance, University of Florida, 1997.

VITAE: Randy Braith, Ph.D.

Cardiovascular Physiology (APK 7107), New graduate course created by **R.W. Braith**, Department of Applied Physiology and Kinesiology, College of Health and Human Performance, University of Florida, 1999.

UNDERGRADUATE COURSES CREATED

Clinical Exercise Physiology (APK 4120), New upper division pre-med undergraduate course created by R.W. Braith, Department of Applied Physiology and Kinesiology, College of Health and Human Performance, University of Florida, 1997.

GRADUATE COURSES TAUGHT

Medical Physiology (GMS 5400C), Cardiovascular and Endocrine lectures, College of Medicine, University of Florida, 1992-1994 (guest lecturer)

Graduate Exercise Physiology Seminar (EXPH 496), Department of Medicine, West Virginia University, 1994-1995 (course director)

Cardiac Physiology (EXPH 391), Department of Medicine, West Virginia University, 1995 (course director)

Cardiopulmonary Pathologies (APK 6126), Department of Applied Physiology and Kinesiology, College of Health and Human Performance, University of Florida, 1996-present (course director)

Assessment in Exercise Science (PET 5389), Department of Applied Physiology and Kinesiology, College of Health and Human Performance, University of Florida, 1995-present (course director)

EKG Interpretation (APK 6128), Department of Applied Physiology and Kinesiology, College of Health and Human Performance, University of Florida, 1997-present (course director)

Cardiovascular Physiology (APK 7107), Department of Applied Physiology and Kinesiology, College of Health and Human Performance, University of Florida, 1999-present (course director)

UNDERGRADUATE COURSES TAUGHT

Human Physiology (PET 3350), College of Health & Human Performance, University of Florida, 1987-1994 (guest lecturer)

Human Physiology For Pharmacology Majors (PHA 3501), Cardiovascular and Endocrine lectures, College of Medicine, University of Florida, 1992-1994 (guest lecturer)

Human Physiology For Health Related Professions (BSC 3088), Cardiovascular Section Leader, Department of Physiology, University of Florida, 1993-1994 (section leader)

VITAE: Randy Braith, Ph.D.

Senior Research Paper in Exercise Physiology (EXPH 198), Department of Medicine, West Virginia University, 1995 (course director)

Physiology of Exercise and Training (PET 3351C), Department of Applied Physiology and Kinesiology, College of Health and Human Performance, University of Florida, 1995-present (course director)

Physical Fitness Assessment (PET 4781), Department of Applied Physiology and Kinesiology, College of Health and Human Performance, University of Florida, 1995-present (course director)

Clinical Exercise Physiology (APK 4120), Department of Applied Physiology and Kinesiology, College of Health and Human Performance, University of Florida, 1998-present (course director)

STUDENT MENTORING:

CHAIR of 16 Doctoral Dissertation Committees:

Michael Welsch, 1997
Matthew Feigenbaum, 1997
Mary Plunkett, 1997
Felix Greco, 1998
Kevin Vincent, 1999
Matthew Mitchell, 2001
Dave Edwards, 2002
Pete Magyari, 2002
Jeff Gilliam, 2002
Gary Pierce, 2005
Darren Casey, 2007
Kathy Howe, 2007
Darren Beck, 2009
Alvaro Gurovich, 2009
Jeff Martin, 2010
Elizabeth Zeanah, 2011

CHAIR of 10 Masters Thesis Committees

Michael Godfrey
Linda Clapp
Cassandra Howard
Jill Conner
Ken Kepler
Kathy Howe
Mark Mering
Scott Hamlin
Eric Adkisson

VITAE: Randy Braith, Ph.D.

Joseph Esolato

CHAIR of 36 Masters Non-Thesis Degree Committees

CHAIR of 2 Senior Thesis Committee (Graduation with Highest Honors)

MEMBER of 12 Doctoral Dissertation Committees

Bob Forster, 1995

Aeran Chow, 1996

Galila Werber, 1998

Heather Vincent, 1999

Diego De Hoyos, 1999

Brian Focht, 2000

Paul Fiolkowshi, 2000

Pei-Shan Tsai, 2001

Kathy Plitnick, 2002

Andy Shanely, 2002

Patrick Heyman, 2003

Sharon Phaneuf, 2003

David Guthrie, 2006

MEMBER of 6 Masters Thesis Committees

MEMBER of 45 Masters Non-Thesis Degree Committees

STUDENT FELLOWSHIPS

OBTAINED FELLOWSHIP from American Heart Association, Florida Affiliate, for second year medical student (Suzanne Beavers) to do a research project in my laboratory. University of Florida, summer, 1993.

OBTAINED FELLOWSHIP from American Heart Association, Florida Affiliate, for second year medical student (Tad Brown) to do a research project in my laboratory. University of Florida, summer, 1996.

OBTAINED FELLOWSHIP from American Heart Association, Florida Affiliate, for third year doctoral student (Matt Feigenbaum) to do a research project in my laboratory. University of Florida, 1996-1997.

OBTAINED FELLOWSHIP from American Heart Association, Florida Affiliate, for undergraduate senior student (Sara Vogel) to do a research project in my laboratory. University of Florida, 2002.

OBTAINED FELLOWSHIP from American Heart Association, Florida Affiliate, for third year doctoral student (Dave Edwards) to do a research project in my laboratory. University of Florida, 2000-2002.

OBTAINED FELLOWSHIP from American Heart Association, Florida Affiliate, for second year doctoral student (Gary Pierce) to do a research project in my laboratory. University of Florida, 2003-2005.

VITAE: Randy Braith, Ph.D.

INTERNSHIP COORDINATOR

Graduate student Internship Coordinator for Clinical Exercise Physiology Specialization, College of Health and Human Performance, Department of Applied Physiology and Kinesiology, University of Florida, 1995-present.

LABORATORY DIRECTOR

Director of Clinical Exercise Physiology Laboratory, Center for Exercise Science, Department of Applied Physiology and Kinesiology, College of Health and Human Performance, University of Florida, 1995-present.