

CURRICULUM VITAE

Name: Stanley Peter Sady

Address: 12942 Eagles Summit Drive
Oro Valley, AZ 85755

Place of Birth: Springfield, Massachusetts

Education:

B.S., University of Massachusetts
Amherst, Massachusetts
Major: Physical Education
09/1969-06/1973

M.S., University of Massachusetts
Amherst, Massachusetts
Major: Physical Education (Exercise Science)
09/1973-06/1975

Ph.D., University of Michigan
Ann Arbor, Michigan
Major: Education (Exercise Physiology)
09/1975-12/1979

M.D., University of Michigan Medical School
Ann Arbor, Michigan
08/1989-06/1993

Postdoctoral Training:

Internship and Residencies:

07/1993-06/1994 Internal Medicine (Preliminary), William Beaumont Hospital, Royal Oak, MI 48073

09/1994-08/1997 Anaesthesia, Massachusetts General Hospital, Boston, MA 02114
including last year Fellowship in adult Cardiac Anesthesiology (6 months),
Pain (3 months) and OB (3 months)

Licensure and Certification:

07/1993-06/1994 Michigan, Board of Medicine, Educational Limited License

07/1994-06/1997 Massachusetts, Board of Registration in Medicine, Certificate of Limited Registration

06/1997-04/2014 Massachusetts, Board of Registration in Medicine

10/1998-current Board Certification, American Board of Anesthesiology

11/1999-07/2015 New Mexico, Board of Medical Examiners

06/2003-04/2013 Arizona Medical Board

09/2006-current National Board of Echocardiography, Certified in Perioperative Transesophageal Echocardiography

12/2011-04/2014 Washington State Department of Health

07/2012-01/2016 State of Michigan, Board of Medicine

12/2012-04/2017 The Medical Board of California

11/2016-4/2018 Colorado Medical Board

02/2018-current Arizona Medical Board

Academic Appointments:

09/1979-06/1982 Assistant Professor of Health, Physical Education and Recreation
University of Nebraska, Omaha, Nebraska

09/1986-07/1989 Assistant Professor of Medicine (Research)
Brown University, Providence, Rhode Island

09/2002-12/2011 Clinical/Adjunct (Volunteer) Faculty
University of New Mexico, School of Medicine

01/2013-01/2017 Professor of Clinical Anesthesiology
University of California at Davis

01/2018-03/2018 Clinical/Adjunct (Volunteer) Faculty
University of Colorado, School of Medicine

01/2019-04/2021 Professor of Clinical Anesthesiology
Banner University of Arizona

04/2021-07/2025 Professor of Clinical Anesthesiology, DCC
Banner University of Arizona

Hospital Appointments:

07/1983-07/1989 Associate Director, Human Performance Laboratory
Department of Medicine
Division of Nutrition and Metabolism

The Miriam Hospital
Providence, Rhode Island

09/1997-06/1999 Attending Physician
Department of Anesthesiology
Mount Auburn Hospital
Cambridge, Massachusetts

07/1999-010/2011 Attending Physician
Anesthesiology Section
Presbyterian Hospital
Albuquerque, NM

02/2012-01/2013 Attending Physician
Anesthesiology (Providence Washington Anesthesia Service-Somnia)
Providence Regional Medical Center
Everett, WA

01/2013-01/2017 Attending Physician
Anesthesiology and Pain Medicine
University of California at Davis
Sacramento, CA

01/2017-03/2018 Attending Physician
Director of Cardiothoracic Anesthesia
Memorial Hospital/UCHealth
Colorado Springs, CO

01/2018-04/2021 Attending Physician
Banner University of Arizona
Tucson, AZ

Other Professional Positions and Major Visiting Appointments:

1976-1979	Research Assistant Michigan Joint Legislative Study of Youth Sports Programs
1983	Fellow, 10th Annual Seminar on the Epidemiology and Prevention of Cardiovascular Diseases, July 31-August 12. American Heart Association
1990	Research Assistant, Dept. of Internal Medicine, Division of Geriatric Medicine, University of Michigan, Ann Arbor, MI (Jeffrey Halter, M.D. and William Herman, M.D.)
1991	Research Assistant, Dept. of Internal Medicine, Division of Nephrology, University of Michigan, Ann Arbor, MI Project: Cloning of fibronectin from rabbit kidney (Roger Wiggins, M.D.)
07/1999-10/2011	Anesthesia Associates of New Mexico (AANM), shareholder AANM Board 3 years, Cardiac Liaison, Web site coordination Education Meetings, Peer review, PACU liaison, Clinical Services Committee, ICU Committee, Anesthesia Techs Coordinator Intraoperative TEE program: AANM was approached by Cardiology in the fall of 2002 to develop an intraoperative TEE program. This began in the spring of 2003. We continue to monitor all TEE cases and assist in credentialing AANM members by the hospital. Computerized vacation lottery Medical student preceptor

Memberships, Offices, and Committee Assignments in Professional Societies:

1974-	Fellow, American College of Sports Medicine (ACSM)
1977- 1987-88	Member, New York Academy of Sciences President-Elect, Exercise Physiology Academy of the American Alliance of Health, Physical Education, Recreation and Dance
1990-	Member, American Medical Association
1995-	Member, American Society of Anesthesiologists
2006-	Member, American Society of Echocardiography

Major Research Interests:

1. Adaptations to exercise in pregnancy.
2. Exercise and lipoprotein metabolism.

Research Funding Information:

Past:

1980	Nebraska Affiliate of the American Heart Association, Co-PI Preventive medicine project at Hillside Elementary School in Omaha, Nebraska.
1980	University of Nebraska at Omaha, University Committee on Research, PI Comparison of identical exercise training programs in children and adults.
1980	Nebraska Affiliate of the American Heart Association, Co-PI Preventive medicine project at Hillside Elementary School in Omaha, Nebraska. Phase II.
1981-1982	Nebraska Affiliate of the American Heart Association, Co-PI Effects of exercise on HDL and cardiovascular fitness.
1983	Miriam Hospital, Biomedical Research Support Grant (NIH), Co-PI The cardiovascular response to exercise: does diet influence peripheral and central control?
1985-1990	NICHD Maternal and Child Health, Diabetes Center Grant, 2 P50 HD 11343-10 Diabetes during pregnancy: effects on the offspring. Subproject #3, Adaptations to exercise in pregnancy.
1988-1991	NHLBI Lipoproteins in active men: role of exercise and diet (Competitive Renewal).

Teaching Experience:

1973-75	Graduate Assistant, University of Massachusetts, teaching exercise physiology laboratory course and general physical education activity classes.
1975-78	Graduate Assistant, University of Michigan, teaching exercise physiology laboratory course and general physical education activity classes.
1979-82	Assistant Professor of Health, Physical Education and Recreation, University of Nebraska (Omaha), teaching exercise physiology,

measurement, research, foundation and fitness courses as well as general physical education activity classes.

2002-2011	Clinical/Adjunct (Volunteer) Faculty University of New Mexico, School of Medicine, OR teaching medical students and residents
2013-2017	Professor of Clinical Anesthesiology and Pain Medicine University of California at Davis, resident teaching, Co-Director monthly TEE Case Conference (see attached evaluations)
2018-2018	Clinical/Adjunct (Volunteer) Faculty University of Colorado, School of Medicine
2019-2021	Professor of Clinical Anesthesiology Banner University of Arizona

Regional, National, and International Contributions

Invited Presentations

1980	Exercise and cardiac rehabilitation, Scientific Session Nebraska Affiliate of American Heart Association, Kearney, NE.
1985	Exercise prescription, Biofeedback Society of New England, Framingham, MA.
1985	Exercise and lipid metabolism, School of Physical Education, Recreation and Dance, Western Washington University, Bellingham, WA.
1985	Exercise training for children, School of Physical Education, Recreation and Dance, Western Washington University, Bellingham, WA.
1987	Exercise during pregnancy, New England American College of Sports Medicine, Worcester, MA.
1988	Maternal cardiovascular response to exercise, American Alliance for Health Physical Education, Recreation and Dance, Kansas City.
1988	Fetal response and outcome to maternal exercise, American Alliance for Health Physical Education, Recreation and Dance, Kansas City.
1988	Perspectives of exercise physiology. Ties with medicine, American Alliance for Health Physical Education, Recreation and Dance, Kansas City.
1990	Exercise during pregnancy: maternal and fetal effects. Symposium. Metabolic and cardiovascular response to submaximal and maximal cycle exercise, American College of Sports Medicine, Salt Lake City.

Bibliography:

Original Reports:

1. Gilliam TB, Sady S, Thorland WG, Weltman A. Comparison of peak performance measures in children ages 6 to 8, 9 to 10, and 11 to 13 years, *Res Q.* 1977; 48(4): 695-702.
2. Weltman A, Katch V, Sady S. Effects of increasing oxygen availability on bicycle ergometer performance, *Ergonomics.* 1978; 21(16): 427-438.
3. Weltman A, Katch V, Sady S, Freedson P. The onset of metabolic acidosis (anaerobic threshold) as a criterion measure of submaximum fitness, *Res Q.* 1977; 49(2): 218-227.
4. Gilliam TB, Thorland WG, Sady S, Weltman A. Blood lipids and fatness in children, ages 7 to 13, *Can J Appl Sport Sci.* 1978; 3: 65-69.
5. Katch VL, Weltman A, Sady S, Freedson P. Validity of the relative percent concept for equating exercise training intensity, *Eur J Appl Physiol.* 1978; 39: 219-227.
6. Sady S, Freedson P, Katch V, Reynolds H. Anthropometric model of total body volume for males of different sizes, *Hum Biol.* 1978; 50(4): 529-540.
7. Gilliam TB, Sady S, Freedson P, Villanacci J. Isokinetic torque levels for high school football players, *Arch Phys Med Rehabil.* 1979; 60: 110-114.
8. Freedson P, Katch V, Sady S, Weltman A. Cardiac output differences in males and females during mild cycle ergometer exercise, *Med Sci Sport.* 1979; 11(1): 16-19.
9. Campaigne B, Katch V, Katch F, Freedson P, Sady S. Measurement of breast volume in females: description of a reliable method, *Ann Hum Biol.* 1979; 6(4): 363-367.
10. Freedson P, Sady S, Katch V, Reynolds H, Campaigne B. Total body volume in females: validation of a theoretical model, *Hum Biol.* 1979; 51(4): 499-505.
11. Gilliam TB, Villanacci J, Freedson P, Sady S. Isokinetic torque in boys and girls ages 7 to 13: Effect of age, height, and weight, *Res Q.* 1979; 50(4): 599-609.
12. Sady S, Katch V, Freedson P, Weltman A. Changes in metabolic acidosis: evidence for an intensity threshold, *J Sports Med Phys Fitness.* 1980; 20: 41-46.
13. Katch V, Campaigne B, Freedson P, Sady S, Katch F, Behnke A. Contribution of breast volume and weight to body fat distribution in females, *Am J Phys Anthropol.* 1980; 53: 93-100.
14. Moffatt R, Sady S, Owen G. Height, weight, and skinfold thickness of Michigan adults, *Am J Public Health.* 1980; 70(12): 1290-1292.

15. Sady S, Katch VL. Relative endurance performance and physiological responses: a study of individual differences in prepubescent boys and adult men, *R Q Exerc Sport*. 1981; 52(2): 246- 255.
16. Freedson P, Gilliam TB, Sady S, Katch VL. Transient VO_2 characteristics in children at the onset of steady-rate exercise, *R Q Exerc Sport*. 1981; 52(2): 167-173.
17. Katch VL, Villanacci JF, Sady SP. The energy cost of rebound running. *R Q Exerc Sport*. 1981; 52(2): 269-272.
18. Sady S, Moffatt R, Owen G. Height, weight and triceps skinfold thickness of Michigan children, *Am J Public Health*. 1981; 71(8): 855-858.
19. Sady S. Transient oxygen uptake and heart rate responses at the onset of relative endurance exercise in prepubertal boys and adult men, *Int J Sports Med*. 1981; 4(2): 240-244.
20. Stamford B, Weltman A, Moffatt R, Sady S. Exercise recovery above and below anaerobic threshold following maximal work, *J Appl Physiol*. 1981; 51(4): 840-844.
21. Sady S, Gilliam TB, Freedson P. Calculation of submaximal and maximal cardiac output in children using the CO_2 rebreathing technique, *J Sports Med Phys Fitness*. 1981; 21: 245-252.
22. Katch VL, Sady S, Freedson P. Biological variability in maximum aerobic power, *Med Sci Sports Exerc*. 1982; 14(1): 21-25.
23. Sady S, Wortman M, Blanke D. Flexibility training: ballistic, static, or proprioceptive neuromuscular facilitation?, *Arch Phys Med Rehabil*. 1982; 63: 261-263.
24. Sady S, Thomson WH, Savage M, Petratis M. The body composition and physical dimensions of 9 to 12 year old experienced wrestlers, *Med Sci Sports Exerc*. 1982; 14(3): 244-248.
25. Sady S, Katch VL, Villanacci JF, Gilliam TB. Children-adult comparisons of VO_2 and HR kinetics during submaximum exercise, *R Q Exerc Sport*. 1983; 54(1): 55-59.
26. Sady SP, Savage MP, Thomson WH, Petratis MM. The reliability of the VO_2 -HR relation to graded treadmill exercise in prepubertal boys and adult men, *R Q Exerc Sport*. 1983; 54(3): 302-304.
27. Berg K, Sady SP, Beal D, Savage M, Smith JL. Developing an elementary school CHD prevention program, *Physician Sports Med*. 1983; 11(10): 99-105.
28. Sady SP, Thomson WH, Berg K, Savage M. Physiological characteristics of high ability prepubescent wrestlers, *Med Sci Sports Exerc*. 1984; 16(1): 72-76.

29. Thompson PD, Cullinane EM, Eshleman R, Sady SP, Herbert PN. The effects of caloric restriction or exercise cessation on the serum lipid and lipoprotein concentrations of endurance athletes, *Metabolism*. 1984; 33(10): 943-950.
30. Stamford BA, Matter S, Fell RD, Sady S, Cresanta MK, Papamek P. Cigarette smoking, physical activity and alcohol consumption: relationships to blood lipids and lipoproteins in premenopausal females, *Metabolism*. 1984; 32(7): 585-590.
31. Stamford BA, Matter S, Fell RD, Sady S, Papamek P, Cresanta MK. Cigarette smoking, exercise and high density lipoprotein cholesterol, *Atherosclerosis*. 1984; 52(7): 73-83.
32. Sady SP, Berg K, Beal D, Smith JL, Savage MP, Thomson WH, Nutter J. Aerobic fitness and serum high-density lipoprotein cholesterol in young children, *Hum Biol*. 1984; 56(4): 771-781.
33. Sady SP, Cullinane EM, Herbert PN, Kantor MA, Thompson PD. Training, diet and physical characteristics of distance runners with low or high concentrations of high-density lipoprotein cholesterol, *Atherosclerosis*. 1984; 53: 273-281.
34. Berg K, Sady S. Oxygen cost of running at submaximal speeds wearing shoe inserts, *R Q Exerc Sport*. 1985; 56(1): 86-89.
35. Kantor MA, Biachini A, Bernier D, Sady SP, Thompson PD. Androgenic hormones reduce HDL₂-cholesterol concentration and increase hepatic triglyceride lipase activity, *Med Sci Sports Exerc*. 1985; 17(4): 462-465.
36. Savage MP, Petratis MM, Thomson WH, Berg K, Smith JL, Sady SP. Exercise training effects on serum lipids of prepubescent boys and adult men, *Med Sci Sports Exerc*. 1986; 18(2): 197-204.
37. Cullinane EM, Sady SP, Vadeboncoeur L, Burke M, Thompson PD. Cardiac size and VO₂ max do not decrease after short-term exercise cessation, *Med Sci Sport Exerc*. 1986; 18:420-424.
38. Thompson PD, Kantor MA, Cullinane EM, Sady SP, Saritelli A, Herbert PN. Postheparin plasma lipolytic activities in physically active and sedentary men after varying and repeated doses of intravenous heparin, *Metabolism*. 1986; 35(11):999-1004.
39. Sady SP, Thompson PD, Cullinane EM, Kantor MA, Domagala E, Herbert PN. Prolonged exercise augments plasma triglyceride clearance, *JAMA*. 1986; 256(18):2552-2555.
40. Kantor MA, Cullinane EM, Sady SP, Herbert PN, Thompson PD. Exercise acutely increases HDL-cholesterol and lipoprotein lipase activity in trained and untrained men, *Metabolism*. 1987; 36(2):188-192.

41. Sady SP, Cullinane EM, Saritelli A, Bernier D, Thompson PD. Elevated HDL cholesterol in endurance athletes is related to enhanced plasma triglyceride clearance, *Metabolism*. 1988; 37(6):568-572.
42. Sady SP, Carpenter MW, Sady MA, Haydon B, Hoegsberg B, Cullinane EM, Thompson PD, Coustan DR. Prediction of VO_2 Max during cycle exercise in pregnant women, *J Appl Physiol*. 1988; 65(2):657-661.
43. Carpenter MW, Sady SP, Hoegsberg B, Sady MA, Haydon B, Cullinane EM, Coustan DR, Thompson PD. Fetal heart rate response to maternal exertion, *JAMA*. 1988; 259(20):3006-3009.
44. Thompson PD, Cullinane EM, Sady SP, Flynn MM, Bernier D, Kantor MA, Saritelli A, Herbert PN. Modest changes in HDL concentration and metabolism with prolonged exercise training, *Circulation*. 1988; 78(1):25-34.
45. Sady SP, Carpenter MW, Sady MA, Haydon B, Thompson PD, Coustan DR. The cardiovascular response to cycle exercise during and after pregnancy, *J Appl Physiol*. 1989; 66(1):336-341.
46. Rivera AM, Pels AE, Sady SP, Sady MA, Cullinane EM, Thompson PD. Physiological factors associated with the lower maximal oxygen consumption of master runners, *J Appl Physiol*. 1989; 66(2):949-954.
47. Sady SP, Katch VL, Berg K, Villanacci JF. Individual differences in relative endurance and physiological response for prepubescents, adolescents and adults, *Pediatr Exerc Sci*. 1989; 1:54-63.
48. Thompson PD, Cullinane EM, Chenevert C, Saritelli AL, Sady SP, Sady MA, Herbert PN. Contrasting effects of testosterone and stanazolol on serum lipoprotein levels, *JAMA*. 1989; 261:1165-1168.
49. Thompson PD, Cullinane EM, Nugent AM, Sady MA, Sady SP. Effect of atenolol or prazosin on maximal exercise performance in hypertensive joggers, *Am J Med*. 1989; 86 (Suppl 1B):104-109.
50. Sady SP, Hanumara RC, Herbert PN. Mathematical models of the relationship between HDL-cholesterol and serum triglyceride: an empirical evaluation, *Math Computer Modelling*. 1989; 12(9):1103-1112.
51. Sady SP, Carpenter MW. Aerobic exercise during pregnancy- special considerations, *Sports Med*. 1989; 7(6):357-375.
52. Bausserman LL, Sadaniantz A, Saritelli AL, Martin VL, Nugent AM, Sady S, Herbert PN. Time course of serum amyloid A response in myocardial infarction, *Clin Chim Acta*. 1989; 184:297-306.

53. Moffatt RJ, Wallace MB, Sady SP. Effects of anabolic steroids on lipoprotein profiles of female weight lifters, *Physician Sports Med.* 1990; 18:106-115.
54. Carpenter MW, Sady SP, Sady MA, Haydon B, Coustan DR, Thompson PD. Effect of maternal weight gain during pregnancy on exercise performance, *J Appl Physiol.* 1990; 68(3):1173-1176.
55. Sady MA, Haydon BB, Sady SP, Carpenter MW, Thompson PD, Coustan DR. The cardiovascular response to maximal cycle exercise during pregnancy and at two and seven months postpartum, *Am J Obstet Gynecol.* 1990; 162:1181-1185.
56. Thompson PD, Cullinane EM, Sady SP, Flynn MM, Chenevert CB, Herbert P N. High density lipoprotein metabolism in endurance athletes and sedentary men, *Circulation.* 1991; 84(1): 140-152.
57. Cullinane EM, Ribeiro B, Sady SP, Miller F, Thompson PD. Can treadmill exercise capacity be predicted from arm ergometry results?, *J Cardiopulmon Rehabil.* 1992; 12(1): 36-41.
58. Sady SP, Goyal M, Thomas PE, Wharram BL, Wiggins RC. Fibronectin mRNA in the developing glomerular crescent in rabbit antglomerular basement membrane disease, *J Amer Soc Nephrology.* 1995; 5:2087-2090.
59. Cowett RM, Carpenter MW, Carr S, Kalhan S, Maguire C, Sady M, Haydon B, Sady S, Dorcus. Glucose and lactate kinetics during a short exercise bout in pregnancy, *Metabolism.* 1996; 6:753-758.
60. Lick, S, Sady S. Dehiscence of an Infected Composite Ascending Graft with Systolic Extrinsic Compression. *CASE: Cardiovascular Imaging Case Reports.* 2020; 4(6):504-506.

Book Chapters and Reviews:

Sady SP, Freedson PS. Body composition and structural comparisons of female and male athletes, In: Walsh WM eds, *Clinics in Sports Medicine: The Athletic Woman*, Philadelphia: WB Saunders, October 1984, 3(4): 755-777.

Sady SP. Growth and body composition of children with particular emphasis on densitometry, *The Reporter* (New Jersey Association for Health, Physical Education, Recreation and Dance) 1985; 57(2): 8-12.

Sady SP. Cardiorespiratory exercise training in children, In: Katch FI, Freedson PS eds, *Clinics in Sports Medicine*, Philadelphia: WB Saunders, July 1986, 5(3): 493-514.

Carpenter MW, Sady SP. Exercise in pregnancy: effects on metabolism, In: Cowett R eds, *Principles of Perinatal and Neonatal Metabolism*, New York: Springer-Verlag, 1991, 237-249.

Sady SP, Sweitzer BJ. Hematologic issues, In: Sweitzer BJ eds, *Handbook of Preoperative Assessment and Management*, Philadelphia: Lippincott Williams & Wilkins, 2000, 159-195.

Non-Print Materials:

Michigan Joint Legislative Study of Youth Sports Programs, member of University of Michigan study committee, 1976.

Michigan Joint Legislative Study of Youth Sports Programs, Phase II, member of University of Michigan study committee, 1977.

Michigan Joint Legislative Study of Youth Sports Programs, Phase III, member of University of Michigan study committee, 1978.