

## STUART R. CHIPKIN, MD, FACE

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### Current Positions

Research Professor, University of Massachusetts  
School of Public Health and Health Sciences  
240 Thatcher Road S-323  
Amherst, MA 01103  
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Endocrinology, Diabetes and Metabolism  
Valley Medical Group  
31 Hall Drive  
Amherst, MA 01102  
☎ 413-256-8561      FAX: 413-256-4421  
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### EDUCATION

1978      B.S. with High Honors in Chemistry  
Emory University  
Atlanta, GA  
1982      M.D.  
S.U.N.Y., Downstate Medical Center  
Brooklyn, NY

### POSTDOCTORAL TRAINING

1982 – 1983      Intern, Internal Medicine  
St. Vincent Hospital, Worcester, MA  
1983 – 1985      Resident, Internal Medicine  
St. Vincent Hospital, Worcester, MA  
1985 – 1987      Research / Clinical Fellow  
Division of Endocrinology and Metabolism  
University of Massachusetts Medical Center, Worcester, MA  
1987 – 1988      Research Fellow  
Department of Physiology  
University of Massachusetts Medical School, Worcester, MA

### ADDITIONAL EDUCATION/TRAINING

2002      Thyroid Ultrasound Course  
American Association of Clinical Endocrinologists  
2003      Leadership Development for Physicians in Academic Health Centers  
Harvard University School of Public Health  
2005      Laboratory Medical Director Training  
Commission on Office Laboratory Accreditation (COLA)  
2012, 2019      Thyroid Ultrasound Course  
American Thyroid Association

### LICENSURE and CERTIFICATION

1982      National Board of Medical Examiners, Diplomate  
1984      Massachusetts License Registration No. 52718  
1985      American Board of Internal Medicine, Diplomate (104758)  
1987      Board Certification in Endocrinology and Metabolism (104759)

## **ACADEMIC APPOINTMENTS**

- 1985 – 1988      Instructor of Medicine  
University of Massachusetts Medical School, Worcester, MA
- 1988 – 1989      Instructor of Medicine  
Boston University School of Medicine, Boston, MA
- 1989 – 1995      Assistant Professor  
Departments of Medicine and Physiology  
Boston University School of Medicine, Boston, MA
- 1995 – 1998      Research Associate Professor  
Department of Physiology  
Boston University School of Medicine, Boston, MA
- 1996 – 1998      Associate Professor  
Department of Medicine  
Boston University School of Medicine, Boston, MA
- 1996 – 2000      Associate Research Professor  
Department of Social and Behavioral Sciences  
Boston University School of Public Health, Boston, MA
- 1999 – 2004      Associate Professor  
Department of Medicine  
Tufts University School of Medicine, Boston, MA
- 1999 – 2004      Adjunct Professor  
School of Public Health and Health Sciences  
University of Massachusetts, Amherst, MA
- 2004 –            Research Professor  
Department of Kinesiology, School of Public Health and Health Sciences  
University of Massachusetts, Amherst, MA

## **HOSPITAL APPOINTMENTS**

- 1988 – 1996      Associate Staff Physician, The University Hospital, Boston, MA
- 1988 – 1996      Visiting Assistant Physician, Boston City Hospital, Boston, MA
- 1994 – 1998      Consulting Staff, Jewish Memorial Hospital, Boston, MA
- 1996 – 2000      Associate Staff Physician, Boston Medical Center, Boston, MA
- 1998 – 2018      Attending Physician, Baystate Medical Center, Springfield, MA
- 2004 –            Attending Physician, Cooley-Dickinson Hospital, Northampton, MA

## **PROFESSIONAL EXPERIENCE**

- 1989 – 1990      Associate Director, General Clinical Research Center, Boston City Hospital  
Boston University School of Medicine, Boston, MA
- 1989 – 1996      Director, Diabetes Service  
Boston City Hospital, Boston, MA
- 1990 – 1994      Fellowship Director, Divisions of Endocrinology, Diabetes and Metabolism  
Boston City Hospital and The University Hospital, Boston, MA
- 1992 – 1996      Director, Diabetes Management Unit  
Boston City Hospital, Boston, MA
- 1992 – 1995      Director, Clinical Initiative for Endocrine, Bone Health and Diabetes  
Boston University Medical Center, Boston, MA

1993 – 1997 Director, Clinical Endocrinology, Diabetes and Metabolism  
Boston University Medical Center / Boston Medical Center, Boston, MA

1995 – 1998 Co-Director Lipid Center  
Boston University Medical Center / Boston Medical Center, Boston, MA

1997 – 1998 Associate Chief, Section of Endocrinology, Nutrition and Diabetes  
Boston Medical Center, Boston, MA

1998 – 2004 Chief, Division of Endocrinology, Diabetes and Metabolism  
Baystate Medical Center, Springfield, MA

1998 – 2003 Director, Diabetes / Metabolism Research Laboratory  
Baystate Medical Center, Springfield, MA

2000 – 2004 Co-Director, Lipid Management Center  
Baystate Medical Center, Springfield, MA

2005 – 2010 Laboratory Director  
Valley Medical Group, Amherst, MA

2010 – Director, Diabetes Management Program  
Valley Medical Group, Amherst/Northampton/Greenfield/Easthampton, MA

#### **HOSPITAL, MEDICAL SCHOOL, OR UNIVERSITY COMMITTEE ASSIGNMENTS**

1989 – 1993 Protocol Review Committee  
Department of Medicine  
Boston University General Clinical Research Center, Boston, MA

1989 – 1993 Advisory Committee  
Department of Medicine  
Boston University General Clinical Research Center, Boston, MA

1989 – 1997 Intern Selection Committee  
Department of Medicine  
Boston City Hospital, Boston, MA

1993 Ambulatory Care Center Review Team  
Department of Health and Hospitals  
Boston, MA

1993 – 1998 Ambulatory Care Committee  
Department of Medicine  
Boston University Medical Center, Boston, MA

1997 – 1998 Promotions Policy Committee  
Boston University School of Medicine  
Boston, MA

1997 – 1998 Clinical Care Strategic Planning Committee  
Department of Medicine, Boston University Medical Center  
Boston, MA

1998 – 2003 Chairman, Medical Nutrition Committee  
Baystate Medical Center  
Springfield, MA

1998 – 2002 Women's Health Coordinating Team  
Baystate Health System  
Springfield, MA

2000 Planning Committee  
Baystate/University of Massachusetts Biomedical Research Initiative  
Amherst, MA

2001 Genetics Task Force

Baystate Medical Center  
Springfield, MA  
2004 – 2015 Personnel Committee  
Department of Kinesiology  
University of Massachusetts School of Public Health and Health Sciences, Amherst, MA

**OTHER MAJOR NATIONAL AND REGIONAL COMMITTEE ASSIGNMENTS, EXTERNAL ACTIVITIES AND HONORS**

1981 National Institutes of Health, Computers in Clinical Medicine  
D. Rodbard, MD, Bethesda, Maryland

1985 Massachusetts General Hospital Laboratory of Computer Science, Software Design and Development “Clinical Problems in Hyponatremia”  
G. Octo Barnett, MD, Boston, MA

1992 Contributor, Re-certification Examination Questions, Endocrinology, Diabetes and Metabolism, American Board of Internal Medicine

1992 Ad Hoc Reviewer, Space Physiology and Countermeasures Panel  
American Institute of Biological Sciences

1992 – 1997 Task Force on Underserved Communities  
American Diabetes Association, Massachusetts Affiliate

1993 – 1997 Board of Directors  
American Diabetes Association, Massachusetts Affiliate

1994 – 1997 Research Grant Review Panel  
American Diabetes Association

1994 – 2011 Medical Consultant, Diabetes Control Program  
Massachusetts Department of Public Health

1998 – 2007 Committee on Nutrition  
Massachusetts Medical Society

1998 – 2011 Diabetes Guidelines Work Group, Diabetes Control Project  
Massachusetts Department of Public Health

1998 – 2011 Committee on Guidelines Implementation and Education  
Massachusetts Department of Public Health

1999 – 2000 Academic Planning Committee  
Baystate Medical Center / University of Massachusetts Research Institute

2001 – 2003 Grand Rounds Faculty Member  
*Reducing Cardiovascular Morbidity & Mortality in Diabetes*  
American Diabetes Association

2001 – 2003 Scientific Sessions Committee  
American Diabetes Association

2002 Session Chair, “Oral Agents to Treat Insulin Resistance”  
American Diabetes Association, 62<sup>nd</sup> Scientific Sessions, San Francisco, CA

2002 Reviewer, Pilot and Feasibility application  
Yale Diabetes Endocrinology Research Center

2003 Session Chair, “Glucose Control in Critical Care Settings”  
American Diabetes Association, 63<sup>rd</sup> Scientific Sessions, New Orleans, LA

2003 Session Chair, “Non-glycemic targets in type 2 diabetes: how aggressive should we be?”,  
American Diabetes Association, 63<sup>rd</sup> Scientific Sessions, New Orleans, LA

2003 Recipient, Baystate Health System Presidential Quality Award  
“Surgical Infection Prevention Project”

- 2004 Ad-hoc grant reviewer  
Scottish Hospital Endowments Research Trust
- 2004 Recipient, Baystate Health System Presidential Quality Award  
“Implementation of Staged Diabetes Management”
- 2004 Special Recognition Award  
Western Area Massachusetts Dietetic Association
- 2004 – 2005 Vice chair, Committee on Nutrition  
Massachusetts Medical Society
- 2004 – 2006 Honorary Chair, ADA Walk for Diabetes  
Springfield, MA
- 2005 – 2009 Executive Committee Member, Diabetes Coalition of Massachusetts
- 2005 – 2007 Member, Committee on Public Health  
Massachusetts Medical Society
- 2005 – 2007 Chair, Committee on Nutrition  
Massachusetts Medical Society
- 2007 – 2008 Member, Task Force on Blood Glucose Management in Cardiac Surgery  
Society of Thoracic Surgeons
- 2007 Committee Leadership Service Award  
Massachusetts Medical Society
- 2008 – 2009 Disease Management and Wellness: Diabetes Task Force  
Commonwealth of Massachusetts
- 2013 Health Resources and Services Administration (HRSA) Promising Practice Award:  
*Assessing The Role Of Community Health Workers As Public Health Workers And Creating Trainings To Meet Their Needs*

#### **TRAINING OF GRADUATE STUDENTS / POST DOCTORAL**

- 1996 *Guilt and Depression: Relationships to diabetic adherence and metabolic control in two high-risk samples.* (Doctoral Dissertation), Rolande Merisca, Northeastern University.
- 1998 *Self-Reported Factors Affecting Glycemic Control in College Students with Type 1 Diabetes Mellitus.* (Master’s Thesis Advisor), Neesha Ramchandani, Boston University.
- 1998 *Correlations Between DEXA Measures of Body Composition in Obese Caribbean Latinos w/ Type 2 Diabetes.* Golden T. Buckland, III (Master’s Thesis Advisor), Boston University.
- 1999 *The Relationship of Ethnicity to Diabetes Self Care Outcomes in African Americans w/ Type 2 Diabetes.* (Doctoral Dissertation), Mary deGroot, University of Rhode Island.
- 2001 *The Effects of Estrogen and Progesterone on Substrate Utilization During Submaximal Exercise.* (Master’s Thesis Committee), Tara D’Eon, University of Massachusetts.
- 2002 *A Comparison of Bone Mineral Density in Division I and Division III Female Gymnasts.* (Master of Science), Amanda Salacinski Springfield College.
- 2002 – 2006 *Impaired Glucose Tolerance: Changing Diet and Exercise with Continuous Glucose Monitoring Feedback.* (Doctoral Dissertation Committee), Nancy A. Allen, University of Massachusetts. Supported by NIH F31 NR008818-01A1 (SRChipkin, co-sponsor).
- 2004 *The Role of Negative Energy Balance in Improved Insulin Action Following Short-Term Exercise.* (Doctoral Dissertation Committee), Steven Black, University of Massachusetts.
- 2005 *Physiological Assessment of Insulin Action Across a Range of Insulin Sensitivities.* (Master’s Thesis Committee), Carrie G. Sharoff, University of Massachusetts.
- 2005 *A Quantitative Model of the Human Thyroid- Development, Analysis and Observations.* (Master’s Thesis Committee), Michael Degon, University of Massachusetts.

- 2005 *Does Aerobic Fitness Oppose the Impact of Excess Body Fat on Insulin Resistance in Women?* (Master's Thesis Committee), Laura Gerson, University of Massachusetts.
- 2005 *The Effects of Post-exercise Meal Composition on Insulin Action*, (Master's Thesis Committee), Kaila Holtz, University of Massachusetts.
- 2006 *The Acute Effects of Exercise and Inactivity on Vascular Function*, (Doctoral Dissertation Committee), Amy Kearns, University of Massachusetts.
- 2007 *Effects of Energy Deficit on the Neuroendocrine Response to Exercise*, (Doctoral Dissertation Committee), Todd Hagobian, University of Massachusetts.
- 2008 *A Computational Model of Human Plasma Ionized Calcium Homeostasis*, (Master's Thesis Committee), Rajiv Shrestha, University of Massachusetts.
- 2008 *A System Dynamics Approach for the Development of a Patient-Specific Protocol for Radioiodine Treatment of Graves' Disease*, (Master's Thesis Committee), Steven J. Merrill, University of Massachusetts.
- 2010 *Influence of Outpatient Radioiodine Therapy for Thyroid Cancer on I-131 Exposure to Household Contacts*, (Master's Thesis Committee), Sujan Ravi MD, University of Massachusetts.
- 2010 *Effects of Exercise Training Combined with Metformin on Insulin Sensitivity and Substrate Metabolism in Men and Women with Pre-Diabetes*, (Doctoral Dissertation Committee), Steven K. Malin, University of Massachusetts.
- 2017 *Interfacing Continuous Measurement of Glucose and Physical Activity to Predict Glycemic Control in Individuals with Type 2 Diabetes*, (Doctoral Dissertation Committee), Jennifer Blankenship, University of Massachusetts
- 2018 *Process of Developing Shared Medical Appointments for Chronic Diseases in Diverse, Urban Clinics*, (Master's Thesis Committee), Iesha Ramos, University of Massachusetts
- 2018 *Social determinants of diet-sensitive chronic disease prevention and management*, (Doctoral Dissertation Committee), Cristina Huebner Torres, University of Massachusetts

#### **TEACHING RESPONSIBILITIES**

- 1989 – 1997 *Endocrine Emergencies*, House Staff Emergency Medicine Lecture Series  
Boston City Hospital / Boston Medical Center
- 1989 – 2000 Diabetes Section, *Biology of Disease*  
Boston University School of Medicine (second year students)
- 1989 – 1998 Guest Lecturer, Noontime House Officers' Lecture Series  
University Hospital / Boston City Hospital / Boston Medical Center
- 1992 – 1998 Morning Report Attending (1 month/year)  
Boston City Hospital / Boston Medical Center
- 1994 – 1995 *Thyroid Disorders: Update for the Non-Endocrinologist*  
Boston University Continuing Medical Education
- 1994 – 1997 Guest Lecturer, *Diet and The Global Prevention of Chronic Disease*.  
Boston University School of Public Health, Boston, MA
- 1996 – 2006 Guest Lecturer, *Community Intervention Strategies: Latino Diabetes Project*  
Boston University School of Public Health (GMS NU 700/SPH80), Boston, MA
- 1998 – 2000 Diabetes Update, *Broadening the Skills of the Internist*  
American College of Physicians, Boston, MA
- 1998 – 2004 Noon Lectures, *"Topics in Endocrinology"*  
Internal Medicine House Staff, Baystate Medical Center, Springfield, MA
- 1999 – 2005 *Outpatient Diabetes Management* (yearly 4-hour program)

	Boston Medical Center Primary Care Residents
2001	<i>Outpatient Management of Diabetes Mellitus</i> University of Massachusetts School of Nursing, Amherst, MA
2004	Visiting Professor, <i>Clinical Pathologic Conference (CPC)</i> Brown University Medical School, Providence, RI
2005	Guest Lecturer, <i>Clinical Applications in Nutrition in Health and Disease</i> , Northeastern University (BHS G530/BHSU230), Boston, MA
2005 – 2007	Course director, <i>Pathophysiology</i> University of Massachusetts (N301), Amherst, MA
2005 – 2007	Course director, <i>Advanced Pathophysiology</i> University of Massachusetts (N615), Amherst, MA
2006 – 2007	Guest Lecturer, Medical Therapy for Diabetes and Obesity, <i>Nutritional problems in the US</i> University of Massachusetts ( <i>Nutrition 577</i> ), Amherst, MA
2010	Guest Lecturer, American College of Cardiology, Core Curriculum for the Cardiovascular Clinician, (1) <i>Diabetes Management of CAD Patients</i> and (2) <i>Thyroid Disease in the Cardiovascular Patient</i> , Washington, DC
2011 –	Guest Lecturer, American College of Cardiology, Core Curriculum for the Cardiovascular Clinician, (1) <i>Metabolic Syndrome and CVD</i> , (2) <i>Diabetes Management of CAD Patients</i> , and (3) <i>Thyroid Disease in the Cardiovascular Patient</i> , October 13-16, 2011, Washington, DC

#### PROFESSIONAL SOCIETIES

- The Endocrine Society
- American Diabetes Association
- American College of Physicians, Fellow
- Massachusetts Medical Society
- American College of Endocrinologists, Fellow
- American Thyroid Association

#### MAJOR RESEARCH INTERESTS

- Interactions between physical activity, nutrition and medical therapies on insulin sensitivity
- Use of public health strategies to impact detection, prevention and treatment of diabetes in diverse communities
- Management of diabetes during peri-operative periods of cardiovascular surgery

#### RESEARCH SUPPORT

1989 – 1990	Juvenile Diabetes Foundation Research Fellowship <i>Glucocorticoids and Hexose Transport across the Blood-Brain Barrier</i>
1990 – 1993	NIDDK-K08 DK 01902, Principal Investigator: SR Chipkin Clinical Investigator Award- <i>Counter-Insulin Hormones and Blood-Brain Barrier Glucose Transport</i>
1992 – 1993	NIDDK-R21 DK 95188, Principal Investigator: SR Chipkin <i>Diabetes Mellitus in Urban Caribbean Latinos</i>
1992 – 1996	Medicaid Voluntary Program for Diabetes Mellitus, Principal Investigator: SR Chipkin
1993 – 1994	Boston Obesity / Nutrition Research Center Pilot Project, Principal Investigator: SR Chipkin
1994 – 2000	NIDDK-R01 DK 48122, Principal Investigator: SR Chipkin <i>Diet Change in NIDDM Caribbean Latinos: A Team Approach</i>

1997 – 1998 NIA-R01 AG019, PA-94-008, Principal Investigator: B Millen  
*Causes / Consequences of Malnutrition in Homebound Elderly*

1997 – 1998 97-021 Abbott Laboratories Inc, Principal Investigator: SR Chipkin  
*Use of Human Tissue Optical Properties to Assess Blood Glucose Concentrations*

1999 ADD-99-023 Abbott Laboratories Inc, Principal Investigator: SR Chipkin  
*Testing of Asteroid Prototype S3*

2000 – 2002 A12510031014 Pfizer Inc, Principal Investigator: SR Chipkin  
*The Safety and Efficacy of Addition of Glucotrol XL® 2.5 versus Placebo in Patients with Type 2 Diabetes Treated with Glucophage®*

2000 – 2001 00-189 University of Massachusetts, Co-Principal Investigators: B Braun and SR Chipkin  
*Effects of Insulin Resistance on Blood Glucose Uptake during Exercise*

2001 -2002 01-119 University of Massachusetts, Co-Principal Investigators: B Braun and SR Chipkin  
*Effects of Estrogen and Progesterone on Substrate Utilization during Exercise*

2001 – 2003 01-244 Sanofi Study, Principal Investigator: SR Chipkin  
*A Randomized, Double-blind, Placebo-controlled, Parallel-group, Fixed-dose, Multi-centre Study of Weight-reducing Effect and Safety of SR141716 in Obese Patients with Untreated Dyslipidemia (RIO-lipids)*

2001 – 2004 The Glass Foundation, Co-Principal Investigators: B Braun and SR Chipkin  
*Changes in Skeletal Muscle Physiology from Insulin Resistance*

2002 02-062 Argose Inc., Principal Investigator: SR Chipkin  
*Pilot Study to Evaluate the Potential of Fluorescence and Diffuse Reflectance Spectroscopy as a Technique for Non-invasive Measurement of Glucose*

2002 Collaborative Biomedical Research Program, Co-Principal Investigators: B Braun and SR Chipkin  
*Role of Testosterone in Regulating Carbohydrate and Fat Utilization during Exercise*

2003 Merck Inc., Principal Investigator (local): SR Chipkin  
*A Multicenter, Double-blind, Randomized, Placebo-controlled Study to Evaluate the Safety and Efficacy of the Addition of MK-0767 to Patients with Type 2 Diabetes with Inadequate Glycemic Control on Combined Metformin and Sulfonylurea Therapy*

2003 - 2004 Pfizer Study, Principal Investigator (local): SR Chipkin  
*A One-year, Open, Randomized, Parallel, Three-arm study, Comparing Exubera® (insulin dry powder pulmonary inhaler) vs. Avandia® (rosiglitazone maleate) as Add-on Therapy vs. Exubera® Substitution of Sulfonylurea in Patients with Ttype 2 Diabetes, Poorly Controlled on Combination Sulfonylurea and Metformin treatment*

2004 - 2006 Glass Foundation, Co-Principal Investigators: B Braun and SR Chipkin  
*Optimizing Fuel Metabolism During Exercise*

2004 – 2007 American Diabetes Association, Principal Investigator: B Braun  
*Interactions between exercise and metformin in pre-diabetes: Glucose metabolism at the cellular, whole-body and clinically relevant levels*

2006-2007 UMass/Baystate Collaborative Biomedical Research Program, Co-Principal Investigators: B Braun and SR Chipkin  
*Neuroendocrine Response to Exercise-Induced Energy Deficit.*

2006 – 2007 Health Resources and Services Administration, Principal Investigator: J DeMartinis  
*Life Matters Program (LifeMAP)- Health Risk Assessment, Health and Lifestyle Management*

2006 – 2009 National Science Foundation, Co-Principal investigators: Y Chait and SR Chipkin  
*Dynamics of the Human Thyroid- Towards Human Applications.*

2007 – 2012 NHLBI- RO1HL081893, Principal Investigator: P Thompson  
*The Effect of Statins on Skeletal Muscle Function*

2008 – 2011 UMass MRI-MRS Pilot Research Grant Application, Principal Investigator: SR Chipkin



- Low testosterone impact on visceral fat and muscle in type 2 diabetes*
- 2008 – 2009 Interleukin Genetics, Principal Investigator: P Clarkson  
*The Effect of an Antioxidant Supplement on Gene Expression in Response to Exercise Stress*
- 2008 – 2010 NIH/NIDDK R56 DK081038, Principal Investigator: B Braun  
*Combined use of exercise and metformin for metabolic rehabilitation*
- 2008 – 2009 NIH/NIA R01 AG021094-06A1, Principal Investigator: J Kent-Braun  
*Skeletal Muscle Fatigue in Older Adults*
- 2009 – 2011 Department of Defense, Principal Investigator: P Clarkson  
*The Effect of Smoking on Muscle Adaptation to Exercise Stress*
- 2011 – 2014 Health Resource and Services Administration, Co-Principal Investigators: SR Chipkin and D Gerber  
*Western Massachusetts Public Health Training Center Grant: University of Massachusetts*
- 2013 Public Service Endowment Grant, Co-Principal Investigators: D Heffernan and SR Chipkin  
*Sustainable Chronic Disease Management Programming in Communities Surrounding UMass Amherst: A Collaborative Effort Between Students and Community Leaders*
- 2014 Health Care Workforce Transformation Fund Planning Grant, Principal Investigator: SR Chipkin  
*Enhancing Workforce Skills in Health Care Behaviors and Resource Utilization: Assessment for Training in Cultural Competency and Patient Engagement*
- 2014 - 2016 Health Care Workforce Transformation Fund Training Grant, Principal Investigator: SR Chipkin  
*Increasing Workforce Skills: Use of Cultural Competency, Goal-Setting and Knowledge of Existing Resources to Promote Patient Centered Medical Home and Pilot Shared Medical Appointments in Type 2 Diabetes.*
- 2015 - 2021 NIH/NIHLBI R00HL125756, Principal Investigator: G Layec  
*Nitric Oxide Coupling and BH4 Available role in muscle dysfunction with COPD*
- 2017 - 2022 NIH/NIA R01 AG0472245-01A, Principal Investigator: M. Miller  
*Sex-specific adaptation to resistance exercise programs in older adults*
- 2018 - 2020 NIH/NIAMS R21AR073511, Principal Investigator: J Kent  
*Mechanical Disruption of Force Transmission by Adipose Tissue in Human Skeletal Muscle*
- 2019 - 2024 NIH/NIA 1R01AG058607, Principal Investigator: J Kent  
*Muscle Fatigue and its Impact on Mobility Function in Aging*
- 2020-2025 NIH NIA R01 AG068102, Principal Investigator K Boyer  
*Muscle Fatigue, Gait Alterations and Increased Energy Cost of Walking in Aging.*

#### **EDITORIAL BOARDS AND ACTIVITY**

1996 – present	Reviewer Diabetes Care	1995	Reviewer American Journal of Cardiology
2005 – present	Reviewer American Journal of Medicine	1996	Reviewer American Journal of Physiology
2011 – present	Reviewer Endocrine Practice	1996	Grant Review Jewish Hospital Foundation, Louisville, KY
2011 – present	Reviewer Journal of Sexual Medicine	1997 – 2006	Reviewer New England Journal of Medicine
		1998 – 2002, 2004	Reviewer Ethnicity and Disease
		2003	Reviewer Obesity

	2004 – 2010	Reviewer Clinical Endocrinology
	2005	Reviewer Diabetes Research and Clinical Practice
	2007 – 2009	Reviewer Journal of Diabetes Science and Technology
2007- present	Specialty Editor, Endocrinology, Diabetes and Metabolism American Journal of Medicine	
2020 – present	Editor-in-chief American Journal of Medicine- Open Gold Open Access	

#### **PUBLICATIONS: REFEREED, REVIEWS AND BOOK CHAPTERS**

1. **Chipkin SR**, Frid D, Alpert JS, Baker SP, Dalen JE, Aronin N: Frequency of painless myocardial ischemia during exercise tolerance testing. *Am.J.Cardiology*, 1987.
2. Paul TL, Meyers B, Witorsh RJ, Pino S, **Chipkin SR**, Ingbar SH, Braverman LE: A small increase in dietary iodine affects thyroid function in euthyroid subjects. *Metabolism*, 37:121-124, 1988.
3. **Chipkin SR**, Stoff JS, Aronin N: Immunohistochemical evidence for neural mediation of VIP activity in the dogfish rectal gland. *Peptides*, 9:119-124, 1988.
4. **Chipkin SR**, Stoff JS, Aronin N: Immunohistochemical localization of VIP in the dogfish rectal gland. *The New York Academy of Sciences*, 527:605-607, 1988.
5. **Chipkin SR**, Aronin N: Is there a relationship between diabetes mellitus and painless myocardial ischemia? *Journal of Angina and Silent Ischemia*, Vol. III (2), May 1988.
6. **Chipkin SR**, Tai LR, Kostyo JL, Goodman HM: Different growth hormone-receptor interactions mediate insulin-like and lipolytic responses of rat adipose tissue. *Endocrinology*, 125:450-458, 1989.
7. Goodman HM, Tai LR, **Chipkin SR**: Effects of isoquinolinesulfonamide inhibitors of protein phosphorylation on responses of adipose tissue to growth hormone. *Endocrinology*, 126:441-450, 1990.
8. Alpert JS, **Chipkin SR**, Aronin N: Diabetes mellitus and silent myocardial ischemia. *Adv. Cardiology*, 37:297-303, 1990.
9. Goodman MH, Gorin E, Schwartz Y, Tai LR, **Chipkin SR**, Honeyman TW, Frick GP, Yamaguchi H: Cellular effects of growth hormone on adipocytes. *Chinese J. of Physiology*, 34(1):27-44, 1991.
10. **Chipkin SR**, Gottlieb P, Lundstrom R, Leppo J, Aronin N: Painless myocardial ischemia in diabetes mellitus & hypertension: a prospective study using thallium exercise tolerance testing. *Cardiology*, 79:173-79, 1991.
11. **Chipkin SR**, Baran DT: Abnormalities of calcium, magnesium and phosphorous metabolism. In: May HL (ed), *Emergency Medicine*, (2<sup>nd</sup> edition), Little, Brown and Company, Boston, MA, 1283-94, 1992.
12. **Chipkin SR**: Lipoprotein metabolism and coronary heart disease. In: Alpert, JS (ed), *Atlas of the Heart*, (2<sup>nd</sup> edition), Raven Press, New York, 421-36, 1994.
13. **Chipkin SR**: Endocrine disorders and the heart. In: Alpert, JS (ed), *Atlas of the Heart*, (2<sup>nd</sup> edition), Raven Press, New York, 503-16, 1994.
14. **Chipkin SR**, Kelly K, Ruderman NB: Hormone fuel interrelationships: fed state, starvation and diabetes mellitus. In: Kahn CR, Weir GC (eds), *Joslin's Diabetes Mellitus* (13<sup>th</sup> edition), Lea and Febiger Publications, Philadelphia, PA, 97-117, 1994.
15. Berg AM, Anderson JJ, **Chipkin SR**, Lee V, Skinner M, Cohen AS, Simms RW: Autonomic neuropathy in AL (primary) amyloidosis and its effect on survival. *Amyloid: Int. J. Exp. Clin. Invest.*, 1:39-46, 1994.
16. Quatromoni P, Milbauer M, Posner B, Carballeira NP, Brunt MJ, **Chipkin SR**: Use of focus groups to explore nutrition practices and health beliefs of Caribbean Latinos with diabetes mellitus. *Diabetes Care*, 17:869-73,

1994.

17. Brunt MJ, **Chipkin SR**: Endocrinologic manifestations. In: Libman H, Witzburg RA (eds), *HIV Infection - A primary care manual* (3<sup>rd</sup> edition), Little, Brown and Company, Boston, MA, 225-40, 1995.
18. Brunt MJ, **Chipkin SR**: Exercise programs in minority populations. In: Ruderman N, Devlin JT (eds), *The Health Professional's Guide to Diabetes and Exercise*. American Diabetes Association, Alexandria, VA 251-256, 1995.
19. **Chipkin SR**, Gottlieb PA: Diabetes Mellitus. In: Noble J (ed) *Textbook of Primary Care Medicine* (2<sup>nd</sup> edition). Mosby, St. Louis, MO. pp 476-497, 1996.
20. **Chipkin SR**: Lipid Disorders. In: Noble J. (ed) *Textbook of Primary Care and General Medicine* (2<sup>nd</sup> edition). Mosby, St. Louis, MO. pp 574-586, 1996.
21. Khan FM, Cohen RA, Ruderman NB, **Chipkin SR**, Coffman JD: Vasodilator responses in the forearm of patients with diabetes mellitus. *Vascular Medicine*, 1, 187-93, 1996.
22. Coderre L, Vallega G, Pilch P, **Chipkin SR**: In vivo effects of dexamethasone and sucrose on glucose transport (GLUT-4) protein tissue distribution. *Amer J Physiol.* 271 (*Endocrino.Metab.*34):E643-8, 1996.
23. **Chipkin SR**, van Bueren A, Berceel E, Garrison CR, McCall AL: Effects of dexamethasone in vivo and in vitro on hexose transport in brain microvasculature. *J Neuro Chem Res.* 23(5):649-656, 1998.
24. Brunt MJ, Milbauer MJ, Ebner SA, Levenson SM, Millen BE, Quatromoni P, **Chipkin SR**: Health status and practices of urban Caribbean Latinos with diabetes mellitus. *Ethnicity & Disease*, 8:158-166, 1998.
25. Vazquez IM, Millen BE, Bissett L, Levenson SM, **Chipkin SR**: Buena Alimentacion, Buena Salud: A preventive nutrition intervention in Caribbean Latinos with non-insulin dependent diabetes mellitus. *American Journal of Health Promotion*, 13:116-119, 1998.
26. **Chipkin SR**, deGroot M: Contextual variable influences outcome measures in minority populations with diabetes mellitus. *Diabetes Spectrum*, 11:149-160, 1998.
27. Tangpricha V, Hariram SD, **Chipkin SR**: Compliance with guidelines for thyroid nodule evaluation. *Endocrine Practice*, 5:119-123, 1998.
28. Lazar HL, **Chipkin SR**, Philippides G, Bao Y, Apstein C: Glucose-insulin-potassium solutions improve outcomes in diabetics who have coronary artery operations. *Annals of Thoracic Surgery*, 70(1):145-150, 2000.
29. Ramchandani N, Cantey-Kiser JM, Alter CA, Brink SJ, Yeager SD, Tamborlane WV, **Chipkin SR**: Self-reported factors that affect glycemic control in college students with type 1 diabetes. *The Diabetes Educator*, 26:656-666, 2000.
30. Dillon JS, Yaney GC, Zhou Y, Voilley N, Bowen S, **Chipkin SR**, Bliss C, Schultz V, Schuit FC, Prentki M, Waxman DJ, Corkey BE: Dehydroepiandrosterone sulfate and  $\beta$ -cell function: enhanced glucose-induced insulin secretion and altered gene expression in rodent pancreatic  $\beta$ -cells. *Diabetes*, 49(12):2012-2020, 2000.
31. Millen BE, Silliman RA, Cantey-Kiser J, Copenhafer DL, Ewart CV, Ritchie CS, Quatromoni PA, Kirkland JL, **Chipkin SR**, Fearson NA, Lund ME, Garcia RI, Barry PP: Nutritional risk in an urban homebound older population: the nutrition and healthy aging project. *Journal Nutrition, Health & Aging*, 5:269-277, 2001.
32. **Chipkin SR**, Klugh SA, Chasan-Taber L: Exercise and diabetes. *Cardiology Clinics*, 19:489-505, 2001.
33. D'Eon T, Sharoff C, **Chipkin SR**, Grow D, Ruby B, Braun B: Regulation of exercise carbohydrate metabolism by estrogen and progesterone in women. *Am J Phys*, 283:E1046-E1055, 2002.
34. deGroot M, Welch G, Buckland GT, Fergus M, Ruggiero L, **Chipkin SR**: Cultural orientation and diabetes self-care in low-income African Americans with type 2 diabetes mellitus. *Ethnicity & Disease*, 13:6-14, 2003.
35. Tangpricha V, Ducharme SH, Barber TW, **Chipkin SR**: Endocrinologic treatment for gender identity disorders. *Endocrine Practice*, 9:12-21, 2003.
36. **Chipkin SR**, Lazar H: Benefits of peri- and post- operative glucose control. *Practical Diabetology*, 21(3):33-39, 2003.
37. Bockhorst JL, Ksseiry I, Toye M, **Chipkin SR**, Stechenberg BW, Fisher DJ, Allen HF: Evidence of HIV-associated lipodystrophy syndrome in children treated with protease inhibitors. *Pediatric Infectious Disease*

*Journal*, 22(5):463-465, 2003.

38. **Chipkin SR**, Cohen EA, Smith BW: Endocrine Disorders. *Saunders Manual of Neurologic Practice, Endocrine Disorders*, 830-841, 2003.
39. **Chipkin SR**, Cohen EA, Smith BW: Pituitary Tumors. *Saunders Manual of Neurologic Practice, Pituitary Tumors*, 930-934, 2003.
40. Lazar HL, **Chipkin SR**, Fitzgerald CA, Bao Y, Cabral H, Apstein CS: Tight glycemic control in diabetic coronary artery bypass grafts patients improves perioperative outcomes and decreases recurrent ischemic events. *Circulation*, 109:1497-1502, 2004.
41. Braun B, Sharoff C, **Chipkin SR**, Beaudoin F: Effects of insulin resistance on substrate utilization during exercise in overweight women. *J Appl Physiol* 97:991-7, 2004.
42. Ruderman N, Myers Jr., MG, **Chipkin SR**, Tornheim K; Hormone fuel interrelationships: fed state, starvation and diabetes mellitus. In: Kahn CR, Weir GC (eds), *Joslin's Diabetes Mellitus* (14<sup>th</sup> edition), Lippincott, Williams and Wilkins, 127-144, 2005.
43. **Chipkin SR**, Black SE, Braun B: The balance between exercise and diet: Impact on insulin sensitivity. *Curr Opin Endocrinol Diabetes*, 12:152-156, 2005.
44. **Chipkin SR**: How to Select and Combine Oral Agents. *Am J Med* 118 (Suppl 1): 4S-13S, 2005.
45. Braun B, Gerson L, Hagobian TA, Grow D, **Chipkin SR**: No Effect of Short-Term Testosterone Manipulation on Exercise Substrate Metabolism in Men. *J Appl Physiol*. 99:1930-7, 2005.
46. Black SE, Mitchell E, Freedson PS, **Chipkin SR**, Braun B: Improved insulin action following short-term exercise training: role of energy and carbohydrate balance. *J Appl Physiol*, 99:2285-2293, 2005.
47. Coderre L, Vallega GA, Pilch PF, **Chipkin SR**: Regulation of glycogen concentration and glycogen synthase activity in skeletal muscle of insulin-resistant rats, *Arch Biochem Biophys*, 464:144-150, 2007.
48. Stephens BR, Sautter J, Holtz KA, Sharoff CG, **Chipkin SR**, Braun B: Effect of timing of energy/carbohydrate replacement on post-exercise insulin action. *Appl Phys, Nutrition and Metabolism*, 32:1139-47, 2007.
49. Degon M, **Chipkin SR**, Holloet CV, Zoeller RT, Chait Y: A mathematical model of the human thyroid. *Mathematical Biosciences*, 212:22-53, 2008.
50. Braun B, Eze P, Stephens BR, Hagobian TA, Sharoff CG, **Chipkin SR**, Goldstein B: Impact of metformin on peak aerobic capacity. *Appl Physiol, Nutrit Metab*, 33:61-7, 2008.
51. Allen NA, Fain JA, Braun B, **Chipkin SR**: Continuous glucose monitoring counseling improves physical activity behaviors of individuals with type 2 diabetes: A randomized clinical trial. *Diabetes Res Clin Pract*, 80:371-379, 2008.
52. Vieweg WVR, Levy JR, Fredrickson SK, **Chipkin SR**, Beatty-Brooks M, Fernandez A, Hasnain M, Pandurangi A; Psychotropic drug considerations in depressed patients with metabolic disturbances. *Am J Med*, 121:647-655, 2008.
53. Holtz KA, Stephens BR, Sharoff CG, **Chipkin SR**, Braun B; The effect of carbohydrate availability following exercise on whole body insulin action. *Appl Physiol, Nutrit Metab*, 33:946-56, 2008.
54. Allen NA, Jacelon CS, **Chipkin SR**; Feasibility and Acceptability of Continuous Glucose Monitoring and Accelerometer Technology in Exercising Individuals with Type 2 diabetes. *J Clin Nursing*, 18: 373-83, 2009.
55. Hagobian TA, Sharoff CG, Stephens BR, Wade GN, Silva JE, **Chipkin SR**, Braun B. Effects of exercise on energy regulating hormones in men and women. *Am J Physiol Regul Integr Comp Physiol*, 296:R233-242, 2009.
56. Lazar HL, McDonnell M, **Chipkin SR**, Furnary AP, Engelman RM, Sadhu AR, Bridges CR, Haan CK, Svedjeholm R, Taegtmeier H, Shemin R: Executive summary of the Society of Thoracic Surgeons: Guidelines for blood glucose management during cardiac surgery. *Ann Thorac Surg*, 87:663-9, 2009.
57. Allen NA, Fain JA, Braun B, **Chipkin SR**; Continuous glucose monitoring in non-insulin-using individuals with type 2 diabetes: acceptability, feasibility, and teaching opportunities. *Diabetes Technol and Ther*, 11:151-158, 2009.

58. Lazar HL, Joseph L, San Mateo C, Frame J, Cabral HJ, McDonnell, M, **Chipkin SR**: Expression of Inducible nitric oxide synthase in conduits used in patients with diabetes mellitus undergoing coronary revascularization. *J Card Surg*, 25:120-126, 2010.
59. Malin SK, Stephens BG, Hagobian TA, Sharoff CG, **Chipkin SR**, Braun B: Metformin's effect on exercise and postexercise substrate oxidation. *Int J Sport Nutr Exerc Metab*, 20:63-71, 2010.
60. Sharoff C, Hagobian T, Malin S, **Chipkin SR**, Yu H, Hirshman M, Goodyear L and Braun B: Combining short-term metformin treatment and one bout of exercise does not increase insulin action in insulin resistant individuals *Am J Physiology Endocrinol Metab*. 298:E815-23, 2010.
61. Shrestha R, Hollot C, **Chipkin SR**, Schmitt C, Chait Y: A mathematical model of parathyroid hormone response to acute changes in plasma ionized calcium concentrations in humans. *Math Biosci*, 226: 46-57, 2010.
62. Hasson RE, Granados K, **Chipkin SR**, Freedson PS, Braun B: Effects of a single exercise bout on insulin sensitivity in Black and White individuals. *J Clin Endocrin Metab*, 95:E219-23, 2010.
63. Merrill S, Horowitz J, Traino AC, **Chipkin SR**, Hollot CV, Chait Y: Accuracy and optimal timing of activity measurements in estimating absorbed dose of radioiodine in the treatment of Graves' disease. *Phys Med Biol*, 56:557-571, 2011.
64. Hyldahl RD, Xin L, Hubal MJ, Moeckel-Cole S, **Chipkin SR**, Clarkson PM: Activation of Nuclear Factor- $\kappa$ B Following Muscle Eccentric Contractions in Humans is Localized Primarily to Skeletal Muscle Residing Pericytes. *FASEB J.*, 25:2956-66, 2011.
65. Lazar HL, McDonnell MM, **Chipkin S**, Fitzgerald C, Bliss C, Cabral H: Effects of aggressive versus moderate glycemic control on clinical outcomes in diabetic coronary artery bypass graft patients. *Ann Surg*, 254:458-64., 2011.
66. Malin SK, Gerber R, **Chipkin SR**, Braun B: Independent and combined effects of exercise training and metformin on insulin sensitivity in individuals with prediabetes. *Diabetes Care*, 35:131-6, 2012.
67. Malin SK, Nightingale J, Choi SE, **Chipkin SR**, Braun B; Effects of exercise training on cardiovascular disease risk factors in individuals with impaired glucose tolerance. *Obesity*, 21: 93-100, 2013.
68. Parker BA, Capizzi JA, Grimaldi AS, Clarkson PM, Cole SM, Keadle J, **Chipkin SR**, Pescatello, LS, Simpson K, White CM and Thompson PD. The Effect of Statins on Skeletal Muscle Function. *Circulation*, 127:96-103, 2013.
69. Ballard KD, Parker BA, Capizzi JA, Grimaldi AS, Clarkson PM, Cole SM, Keadle J, **Chipkin SR**, Pescatello LS, Simpson K, White CM, Thompson PD; Increases in creatine kinase with atorvastatin treatment are not associated with decreases in muscular performance. *Atherosclerosis*, 230:121-124, 2013.
70. Xin L, Hyldahl R, **Chipkin SR**, Clarkson P; A contralateral repeated bout effect attenuates induction of NF-  $\kappa$ B DNA-binding following eccentric exercise. *J Appl Phys*, 116:1473-80, 2014.
71. Gottlieb O, Ioffe L, **Chipkin SR**, Chait Y; The bifurcation structure of an eight-order nonlinear dynamical systems model of the human thyroid. *Int J Bifurcat Chaos*, in press.
72. Taylor BA, Panza G, Pescatello LS, **Chipkin S**, Gipe D, Shao W, White CM, Thompson PD; Serum PCSK9 Levels Distinguish Individuals Who Do Not Respond to High-Dose Statin Therapy with the Expected Reduction in LDL-C. *J Lipids*. 2014 (doi: 10.1155/2014/140723; epub ahead of print).
73. Zaleski A, Mentch M, Taylor B, Capizzi J, Grimaldi A, Clarkson P, Moeckel-Cole SA, **Chipkin SR**, Keadle J, White CM, Thompson P and Pescatello L; Effects of Atorvastatin on Resting and Peak Exercise Blood Pressure Among Normotensive Men and Women. *Cholesterol*. (doi:10.1155/2014/720507; epub ahead of print).
74. Hyldahl RD, Nelson B, Xin L, Welling T, Groscost L, Hubal MJ, **Chipkin S**, Clarkson PM, Parcell AC; Extracellular matrix remodeling and its contribution to protective adaptation following lengthening contractions in human muscle. *FASEB J*. 29:2894-904, 2015. (doi: 10.1096/fj.14-266668).
75. Panza GA, Taylor BA, Thompson PD, Erhard L, Capizzi JA, Grimaldi AS, Cole SM, **Chipkin S**, Keadle J, White CM, Pescatello LS; The Effect of Atorvastatin on Habitual Physical Activity among Healthy Adults. *Med Sci Sports Exerc*. [Epub ahead of print].

76. Zaleski A, Taylor B, Armstrong B, Puglisi M, Clarkson P, **Chipkin SR**, White CM, Thompson PD, Pescatello LS. Associations of 25-Hydroxyvitamin D With the Blood Pressure Response to Maximal Exercise Among Healthy Adults.. *Int J Sport Nutr Exerc Metab*, 29: 303-308, 2019.
77. Han H, Lim J, Viskochil R, Aguiar EJ, Tudor-Locke C, **Chipkin SR**. Pilot study regarding impact of a pedal-desk on post-prandial responses in sedentary workers. *Med Sci Sports Exerc*; 50:2156-2163, 2018.
78. Blankenship J, **Chipkin SR**, Freedson P, Staudenmayer J, Lyden K, Braun B. Managing Free-Living Hyperglycemia with Exercise or Interrupted Sitting in Type 2 Diabetes: An Ecological Approach. *Journal of Applied Physiology*, 29:303-308, 2019.
79. Tudor-Locke C, Aguiar EJ, Han H, Ducharme SW, Schuna JM Jr, Barreira TV, Moore CC, Busa MA, Lim J, Sirard JR, **Chipkin SR**, Staudenmayer J. Walking cadence (steps/min) and intensity in 21-40 year olds: CADENCE-adults. *Int J Behav Nutr Phys Act*.16(1):8. doi: 10.1186/s12966-019-0769-6.PMID: 30654810, 2019
80. Tudor-Locke C, Ducharme SW, Aguiar EJ, Schuna Jr.JM, Barreira TV. Moore CC, Chase CJ, Gould ZR, Amalbert-Birriel MA, Mora-Gonzalez J, **Chipkin SR**, Staudenmayer J; Walking cadence (steps/min) and intensity in 41 to 60-year-old adults: The CADENCE-Adults study. *Int J Behav Nutr Phys Act*. 17:137, 2020 doi.org/10.1186/s12966-020-01045-z.

#### CASE REPORTS, EDITORIALS AND BOOKS EDITED

1. **Chipkin SR** (section editor): Endocrinology and Metabolism. In: Noble J (ed) *Textbook of Primary Care Medicine* (2<sup>nd</sup> edition). Mosby, St. Louis, MO 476-586, 1996.
2. Dunzendorfer T, Lee VW, Levine S, de las Morenas A, Beazley RM, **Chipkin SR**: Refractory constipation and megacolon in MEN 2b. *Dig Dis Sci*, Vol. 41(11), Nov 1996.
3. Tangpricha V, Afdhal NH, **Chipkin SR**: Autoimmune hepatitis in a male to female transsexual treated with conjugated estrogens. *Int J Transgenderism*, Vol. 5 (3), July-Sep 2001.
4. **Chipkin SR** and Goldberg RJ: Obesity Surgery and Diabetes: Does a Chance to Cut Mean a Chance to Cure? *Am J Med*, 122:205-6, 2009.
5. **Chipkin SR**: Weight and weight change-think about the context. *Am J Med*. 124(10):891-2, 2011
6. **Chipkin SR**: Medical Care for Transgender Individuals: Changing Perspectives with Changing Demographics. *Endocrine Practice*. 11:1-6, 2013.
7. **Chipkin SR**, Paul TL. The Passing of a Mentor. *Am J Med*. 2020 May;133(5):532-533. doi: 10.1016/j.amjmed.2019.12.018. Epub 2020 Jan 21.PMID: 31978384

#### BOOKS

1. Vázquez IM, Wood J, **Chipkin SR**: *Salud con Sabor Criollo (Health with Caribbean Flavor) - Low-fat Traditional Recipes from the Latino Caribbean*, Bassette Printers, LLC, 2004

#### ABSTRACTS

1. **Chipkin SR**, Frid D, Alpert JS, Baker SP, Dalen JE, Aronin N: Painless myocardial ischemia in diabetic and non-diabetics during exercise tolerance testing. Presented: *AFCR (Eastern) Clinical Research*, 34(3):879A, 1986.
2. **Chipkin SR**, Stoff J, Aronin N: Immunohistochemical localization of vasoactive intestinal peptide in the dogfish ractal gland. Presented: *16<sup>th</sup> Annual Meeting, Society for Neuroscience*, Abstract 399.6, 1986.
3. **Chipkin SR**, Kostyo JL, Tai LR, Goodman HM: Different growth hormone-receptor interactions produce early insulin-like and late lipolytic responses in rat adipose tissue. Presented: *70<sup>th</sup> Annual Meeting, Endocrine Society*, Abstract 255, 1988.
4. Goodman HM, **Chipkin SR**, Honeyman TW: Effects of inhibitors of protein kinase on responses of adipose tissue to growth hormone (GH). Presented: *70<sup>th</sup> Annual Meeting, Endocrine Society*, Abstract 244, 1988.
5. **Chipkin SR**, McCall AL: Dexamethasone decreases hexose uptake by isolated cerebral microvessels. Presented: *Society for Neuroscience* 1989, Abstract 4327, 1989.
6. Pilch PF, Brecher P, Chen K, **Chipkin SR**, Coderre L, Kotliar N, Mamuya W, Monfar M, Ruderman N, Thoidis G: Modulation of glucose transporter expression (GLUT4) in animal models of impaired insulin action. Presented:

*Keystone Symposium on Molecular and Cellular Biology - Diabetes and Insulin Action, Jan 1991.*

7. McCall AL, **Chipkin SR**, Garrison CP: Paradoxical effects of dexamethasone on brain glucose transport. Presented: *AFCR (Western) Clinical Research* 39(1):38A, 1991
8. **Chipkin SR**, Thoidis G, Mamuya W, Kotliar N, Coderre L, Pilch P: Alterations in insulin-sensitive (GLUT4) glucose transport protein in deoxycorticosterone (DOC)/salt hypertensive rats. Presented: *Am. Phys. Soc. Conference. The Physiologist*, 34:38.2, 1991
9. **Chipkin SR**, Vallega G: Glucocorticoid-induced hypertension decreases insulin-sensitive glucose transport protein (GLUT4). Presented: *AFCR (National) Clinical Research* 40:141A, 1992.
10. Ikegawa S, Cohen A, Araki S, **Chipkin SR**, Skinner M: Cardiovascular autonomic dysfunction in primary (AL) and five subtypes of familial (ATTR) amyloidosis. Presented: 2<sup>nd</sup> International *Symposium on Familial Amyloidosis*, Skelleftia, Sweden. June 1992. *J Rheum* 20:183, 1993.
11. Karasik MS, Dunzendorfer T, Lee V, **Chipkin SR**, Afdhal N: Acute hyperglycemia impairs gallbladder and small intestinal motility in normal males. Presented: American Gastroenterological Association, *American Association for the Study Of Liver Diseases*, May 1993.
12. Coderre L, Vallega G, Pilch P, **Chipkin SR**: Effects of dexamethasone and sucrose on skeletal muscle glucose transport and storage. *Diabetes*, 42 (suppl 1):224A.
13. **Chipkin SR**, Quatromoni P, Milbauer M, Posner B, Ebner S, Levenson S: Nutritional attitudes and practices of urban Caribbean Latinos with diabetes mellitus. *Diabetes* 42(1):48A.
14. Milbauer M, Carballeira NP, Ebner S, Posner B, Quatromoni P, **Chipkin SR**: Developing a culturally appropriate questionnaire for Caribbean Latino diabetics. Presented: *American Public Health Association Meeting*, Oct 1993.
15. Milbauer M, Carballeira NP, Ebner S, Posner B, Quatromoni P, Budlong L, **Chipkin SR**: Using focus groups with urban Caribbean Latino diabetics. Presented: *American Public Health Association Meeting*, Oct 1993.
16. Brunt MJ, Posner B, Ebner SA, Quatromoni P, Milbauer M, **Chipkin SR**: Demographics, diabetes knowledge, nutrition practices and health status among urban Caribbean Latinos with diabetes. Presented: *American Public Health Association Meeting*, Nov 1994.
17. Kopp J, Gaffey J, Platt L, **Chipkin SR**: Practice makes perfect: TQM transforms a hospital-based medical team. Boston Section *American Society for Quality Control*, 1995 Boston Quality Conference, Mar 1995.
18. Civelek V, Hamilton JA, **Chipkin SR**, Tornheim K, Kelly KL, Corkey BE: Intracellular pH regulation in adipocytes: effects of free fatty acids, lipolytic agents and insulin. *55<sup>th</sup> Scientific Sessions, American Diabetes Association*, June 1995.
19. Karasik M, Dunzendorfer T, Lee V, **Chipkin SR**, Afdhal N: Acute hyperglycemia impairs gallbladder motility in normal but not in diabetic men. *Am J Gastroent*, 90(9) 1606, #212, Sept 1995.
20. Dunzendorfer T, Lee V, **Chipkin SR**, Afdhal N, Karasik M: HIDA Scintigraphy as a test for small intestinal motility: effect of acute hyperglycemia. *Am J Gastroent*, 90(9) 1631, #308, Sept 1995.
21. Civelek VN, Tornheim K, Wilkison WO, Kelly KL, Hamilton JA, **Chipkin SR**, Corkey BE: Dynamics of intracellular pH and free fatty acid release in insulin sensitive and resistant adipocytes. *Diabetologia* 38:A144 (#558).
22. Leaf MD, **Chipkin SR**: Literacy rates in an urban hospital-based diabetes clinic. Presented: *56<sup>th</sup> Scientific Session American Diabetes Association*, June 1996
23. **Chipkin SR**, Ebner SA, Brunt MJ, Levenson S, Millen B: Cardiovascular risk factors in urban Caribbean Latinos with NIDDM, *Diabetes*, 46(1)302A, #1157, June 1997.
24. Portales AL, Villavicencio A, Brunt M, Ebner S, Levenson S, Millen B, **Chipkin SR**: Depression and Glycemic Control in urban Caribbean Latinos with NIDDM entering a weight loss program. *Diabetes*, 46(1)380A, #1444, June 1997.
25. **Chipkin SR**, Vazquez I, Bissett L, Levenson SM, Millen B: Effects of culturally sensitive diet intervention on urban Caribbean Latinos with type 2 diabetes. *Diabetes*, 47(1), #1649, May 1998.
26. **Chipkin SR**, Buckland FT, Bissett L, Levenson SM, Brunt MJ, Ebner SA: Correlation between measures of body fat and cardiovascular risk factors in Caribbean Latinos with type 2 diabetes. Presented: *58<sup>th</sup> Scientific Session American Diabetes Association*, Chicago, IL, #1206, June 1998.
27. Ramchandani N, **Chipkin SR**, Kiser JC, Tamborlane WV, Yeager SD, Brink SJ, Alter CA: Self-reported factors

- affecting glycemic control in college students with type 1 diabetes mellitus. Presented: *58<sup>th</sup> Scientific Sessions, American Diabetes Association*, Chicago, IL, #1264, June 1998.
28. Fleming CA, Cilento JJ, Steger KA, Frank EL, **Chipkin SR**, Craven DE: New onset diabetes mellitus related to protease inhibitors: clinical features, demographics and insulin levels. Presented: *36<sup>th</sup> Annual Meeting, Infectious Diseases Society of America*, Denver, CO, #481, Nov 1998.
  29. Lazar HR, **Chipkin SR**, Philippides G, Bao Y: Glucose-insulin-potassium solutions improve clinical outcomes in diabetic patients undergoing coronary bypass grafting. Presented: *79<sup>th</sup> Annual Meeting of the American Association of Thoracic Surgery*, New Orleans, LA, Scientific Session, Apr 1999.
  30. Welch GW, deGroot M, Buckland FT, **Chipkin SR**: Risk stratification of diabetes patients using diet barriers and self care motivation in an inner city hospital setting. *59<sup>th</sup> Scientific Sessions, American Diabetes Association*, 48 (suppl 1), #1395, 1999.
  31. Welch GW, deGroot M, Buckland GT, **Chipkin SR**: Patient satisfaction with a computerized diabetes psychosocial assessment tool in a low literacy, inner-city hospital setting. *59<sup>th</sup> Scientific Sessions, American Diabetes Association*, 48 (suppl 1), #1408, 1999.
  32. Bockhorst JL, Allen HF, Ksseiry I, Stechenberg BW, Toye MP, **Chipkin SR**, Reiter EO: Evidence of HIV-associated lipodystrophy syndrome in children treated with protease inhibitors. *Amb Ped Soc/Soc Ped Res*, Apr 2001.
  33. Lazar HR, **Chipkin SR**, Apstein C, Ruderman N, Fitzgerald C, Bao Y: Acute benefits of glucose-insulin-potassium (GIK) infusion in patients with diabetes undergoing coronary bypass (CABG) surgery. Presented: *61<sup>st</sup> Scientific Sessions, American Diabetes Association*, #490-P, 2001.
  34. Wilson PWF, D'Agastino RB, Parise H, Beiser A, Siegel RD, **Chipkin SR**: Lifetime Risk of type 2 diabetes mellitus. Presented: *61<sup>st</sup> Scientific Sessions, American Diabetes Association*, #816-P, 2001.
  35. D'Eon TM, Grow D, **Chipkin SR**, Sharoff C, Braun B: The effects of estrogen and progesterone on carbohydrate utilization during exercise in women. Presented: *NEACSM Conference*, Fall 2001.
  36. deGroot M, Welch G, Ruggiero L, **Chipkin SR**: Acculturation and ethnic identify among African-Americans with type 2 diabetes: overlapping or separate constructs? Presented: *Society of Behavioral Medicine*, Washington DC, Apr 2002.
  37. D'Eon TM, Sharoff CG, **Chipkin SR**, Grow D, Braun B: Regulation of substrate utilization by estrogen and progesterone during exercise. Presented: *ACSM, Med Sci Sports Exerc* 34:S203, 2002.
  38. Sharoff CG, D'Eon TM, **Chipkin SR**, Grow D, Braun B: Regulation of insulin sensitivity and leptin concentrations by estrogen and progesterone. Presented: *ACSM, Med Sci Sports Exerc* 34:S70, 2002.
  39. Wood J, Mehroatra P, Cohen EA, Coffman G, Rogalski MJ, Philippides G, **Chipkin SR**: Inpatients with diabetes represent missed opportunity to achieve blood pressure standards. Presented: *63<sup>rd</sup> Scientific Sessions, American Diabetes Association*, #1171, 2003.
  40. **Chipkin SR**, Metchick LN, Rousou J, Kanter G, Flack J, Deaton D, Engelman D, Lindenauer P, Fitzgerald J, Mayausky D, Skorupski D, Engelman R: Multidisciplinary approach to implementation of an intra- and post-operative intravenous insulin protocol for cardiac surgery patients. Presented: *63<sup>rd</sup> Scientific Sessions, American Diabetes Association*, #1113, 2003.
  41. deGroot M, Welch G, **Chipkin SR**: Patient readiness to improve diabetes self care behaviors is associated with a high level of diabetes-related emotional distress in an inner diabetes clinic population. *63<sup>rd</sup> Scientific Sessions, American Diabetes Association*, #1783, 2003.
  42. **Chipkin SR**, Engelman R, Wood J, Nutting L, Wang B, Eastman R: Use of the GlucoWatch® G2™ Biographer for Monitoring Glucose Levels in the Postoperative Cardiac Surgical Patient. Presented: *3<sup>rd</sup> Annual Diabetes Technology Society Meeting*, November 2003.
  43. Braun B, Sharoff C, **Chipkin SR**, Beaudoin F: Glucose utilization during exercise in equally obese insulin-resistant and insulin sensitive women. Presented: *ACSM, Med Sci Sports Exerc* 35:S11, 2003.
  44. Allen N, Jacelon C, **Chipkin SR**: Evaluating the Use of Technology to Monitor Exercise and Glucose Control in Individuals with Diabetes. Presented: *16<sup>th</sup> Annual Scientific Sessions, Eastern Nursing Research Society*, April 2004.
  45. Gerson L, Hagobian T, Grow D, **Chipkin SR**, Braun B: Role of testosterone in the regulation of substrate use during exercise. *The Physiologist*, 47:301, 2004.



46. Degon M, Chait Y, Hollot CV, **Chipkin SR**, Zoeller T: A Quantitative Model of the Human Thyroid: Development and Observations. *Proceedings, American Control Conference*, 2:961-966, June 2005.
47. Allen NA, Fain JF, Bova C, Braun B, **Chipkin SR**: Effect of Counseling with Continuous Glucose Monitoring on Physical Activity Behaviors. Presented: *66<sup>th</sup> Scientific Sessions, American Diabetes Association*, June 2006.
48. Kearns AK, **Chipkin SR**, Clarkson PM: Acute Effects of Exercise on Vascular Function: A Preliminary Report. Presented: *Am Coll Sports Med, Med Sci Sports Exerc* 38: S197, June 2006.
49. Sharoff CG, Hagobian TA, **Chipkin SR**, Yu H, Hirshman MF, Goodyear LJ, Braun B: Combined effects of metformin and exercise on AMPK activity and insulin sensitivity in insulin resistant individuals. Presented: *Am Coll Sports Med Conference on Integrative Physiology of Exercise*, Indianapolis, IN, September 2006.
50. Stephens BR, Hagobian TA, Sharoff CG, Eze PN, Goldstein B, **Chipkin SR**, Braun B: Effects of the antidiabetic drug metformin on maximal aerobic capacity. Presented: *ACSM Conference on Integrative Physiology of Exercise Conference*, Indianapolis, IN, September 2006.
51. Hagobian TA, Sharoff C, Stephens-Hasson B, **Chipkin SR**, Braun B: Neuroendocrine response to short-term energy surplus and exercise. Presented: *ACSM Conference on Integrative Physiology of Exercise Conference*, Indianapolis, IN, September 2006.
52. Allen NA, Fain J, Braun B, **Chipkin SR**: Use of Technology in a physical activity intervention for individuals with type 2 diabetes. Presented: *Council for the Advancement of Nursing Science* October 2006.
53. Sharoff CG, Hagobian TA, **Chipkin SR**, Haiyan Y, Hirshman MF, Goodyear LJ, Braun B: Combined effects of metformin and exercise on AMPK  $\alpha$ 2 activity and insulin action in insulin resistant individuals. Presented: *67<sup>th</sup> Scientific Sessions, American Diabetes Association*, Chicago IL, June 2007 (1084P).
54. Merrill S, **Chipkin SR**, Chait Y, Traino T, Ospedaliero A, Horowitz J: Patient-specific radioiodine dosage for Graves' disease using a computational model of the thyroid. Presented: *Society for Industrial and Applied Mathematics*, Philadelphia, PA, October 11, 2007.
55. Shrestha R, Chait Y, **Chipkin SR**, Hollot K, Schmitt CP: Computational model of acute response of PTH to changes in plasma ionized calcium in humans. Presented: *Society for Industrial and Applied Mathematics*, Philadelphia, PA, October 11, 2007.
56. Malin SK, Stephens BR, Sharoff CG, Hagobian TA, **Chipkin SR**, Braun B: Effect of metformin on substrate utilization and perception of effort during submaximal exercise. Presented: *American College of Sports Medicine*, Indianapolis, IN, May 2008.
57. Sharoff CG, Malin SK, Hagobian TA, **Chipkin SR**, Braun B. The combined effects of metformin and exercise on metabolic flexibility and substrate utilization during exercise and insulin stimulation in insulin resistant individuals. *American College of Sports Medicine*, Indianapolis, IN, May 2008.
58. Holtz KA, Stephens BR, Sharoff CG, **Chipkin SR**, Braun B. The role of carbohydrate availability in mediating post-exercise insulin action. *American College of Sports Medicine*, Indianapolis, IN, May 2008.
59. Hagobian TA, Sharoff CG, Stephens BR, Reusch S, Ead G, Silva JE, Wade GN, **Chipkin SR**, Braun B. Effects of exercise on energy regulating hormones in men and women. *American College of Sports Medicine*, Indianapolis, IN, May 2008.
60. Sharoff CG, Hagobian TA, Malin SK, **Chipkin SR**, Yu H, Hirshman MF, Goodyear LJ, Braun B: Combining short-term metformin treatment and acute exercise does not improve insulin sensitivity. Presented: *68<sup>th</sup> Scientific Sessions- American Diabetes Association*, San Francisco, CA, June 2008.
61. Shrestha R, Chait Y, Hollot K, **Chipkin SR**, Schmitt CP: A mathematical model of acute response of parathyroid hormone to changes in plasma ionized calcium in humans. Accepted for presentation at: *Int Mech Eng Cong Expo*. Boston, MA, November 2008.
62. Lazar HL, McDonnell M, **Chipkin SR**, Bao Y, Fitzgerald C, Hunter C, Shapira O, Shemin RJ, Cabral H; Insulin is the protective component of glucose-insulin-potassium solutions during coronary artery bypass graft surgery in patients with diabetes mellitus. Presented: *American Heart Association*, *Circulation* 118:S705, New Orleans, LA, November, 2008.
63. Malin SK, Stephens BR, Sharoff CG, **Chipkin SR**, and Braun B. Metformin treatment decreases fat utilization after exercise (2008). Presented: *American Physiol Society Intersociety Meeting: Integrative Biology of Exercise*. V: 22.23, 59, 2008
64. Hagobian TA, Sharoff CG, Stephens B, Reusch S, Ead G, **Chipkin SR**, Wade GN, Silva JE, Braun B. Effects of

- exercise on energy regulating hormones in men and women. *Med Sci Sports Exerc*;40(5 Suppl), 2008
65. Xin L, Hyldahl RD, Riska KL, **Chipkin SR**, Hubal MJ, Greger V, Prabhakar P, Shaver K, Clarkson PM; The Effects Of Two Botanical Supplements On Gene Expression Following Eccentric Exercise. *American College of Sports Medicine*, Baltimore MD, May 2010.
  66. Riska KL, Xin L, Hyldahl RD, **Chipkin SR**, Hubal MJ, Greger V, Prabhakar P, Shaver K, Clarkson PM; Gene Expression Profiling of Skeletal Muscle after Eccentric Exercise. *American College of Sports Medicine*. Baltimore MD, May 2010.
  67. Hyldahl RD, Xin L, Riska K, **Chipkin SR**, Greger V, Prabhakar P, Shaver K, Clarkson PM; Two Botanical Supplements with Antioxidant and Anti-inflammatory Properties Protect Against Eccentric Exercise-Induced Strength Loss. *American College of Sports Medicine*, Baltimore MD, May 2010.
  68. Gerber R, Malin SK, **Chipkin SR**, Freedson P, and Braun B. Relationship between habitual physical activity and whole-body insulin sensitivity in individuals with prediabetes. *Medicine and Science in Sports and Exercise*, 2010.
  69. Malin SK, Gerber R, **Chipkin S**, and Braun B. Effect of Exercise Training with and without Metformin on Insulin Sensitivity in Individuals with Prediabetes. (2010). *Integrative Physiology of Exercise Conference*, Miami, FLA, September 2010.
  70. Oliver C, Malin SK, **Chipkin S**, and Braun B. Exercise Training, with and without metformin, improves markers of cardiometabolic health in Adults with Prediabetes. (2010). *Integrative Physiology of Exercise Conference*. Miami, FLA, September 2010
  71. Viskochil R, Malin SK, Gerber R, **Chipkin S**, and Braun, B. (2010).Metformin Enhances the Effects of Exercise Training on Fasting insulin Secretion in Adults with Prediabetes. (2010). *Integrative Physiology of Exercise Conference*, Miami, FLA, September 2010.
  72. Shrestha RP, Hollot CV, Schmitt CP, Chait Y, **Chipkin S**. The Reverse Sigmoid Ca-PTH Relationship Is Not Symmetrical. *Dynamic Systems and Control Division of the ASME*, Boston, MA September 13-15, 2010.
  73. Malin, SK, Gerber, R, **Chipkin, SR**, and Braun, B. Adding metformin to exercise attenuates gains in insulin sensitivity in individuals with prediabetes. (2010). *New England Chapter of the American College of Sports Medicine*, Providence, RI, October 2010.
  74. Shrestha RP, Hollot CV, Schmitt CP, Chait Y, **Chipkin SR**. A Mathematical Model Based Protocol for Constructing the Calcium-PTH Curve. Presentation at: *Int Mech Eng Cong Expo*, Vancouver, BC, November 12-18, 2010.
  75. Lazar HL, McDonnell, M, **Chipkin SR**, Fitzgerald C, Bliss C, Cabral H. Effects of Aggressive Versus Moderate Glycemic Control on Clinical Outcomes in Diabetic Coronary Artery Bypass Graft Patients. *American Surgical Association*, Boca Raton, FLA, April 14-16, 2011.
  76. Parker BA, Capizzi JA, Grimaldi AS, Polk DM, Clarkson PM, Cole SM, Keadle J, **Chipkin SR**, Pescatello, LS, Simpson K, White CM and Thompson PD. The Effect of Statins on Skeletal Muscle Function. *American College of Cardiology*, Chicago, March 24-27, 2012.
  77. Clarkson PM, **Chipkin SR**, Moore NA. Smokers Exhibit Blunted Changes in Muscle NFkB Activity after Eccentric Exercise. *American College of Sports Medicine*, San Francisco, CA. May 31, 2012.
  78. Xin L, Hyldahl RD, Riska KL, **Chipkin SR**, Ramakrishnan S, Murray MA, Hubal MJ, Greger V, Prabhakar P, Shaver K, Clarkson PM. Botanical supplement effects on nuclear factor kappa B DNA-binding activity following eccentric exercise. *American College of Sports Medicine*. May 31, 2012.
  79. Heffernan D, Meckel M, Rossi N, Kayan L, Rataj S, Gerber D, **Chipkin SR**; Western Massachusetts Public Health Training Center (WMPHTC): Designing and implementing training programs for community health workers. Am Soc Public Health, Boston, MA November 2013.
  80. Brandauer J, Malin S, Berardinelli D, Viskochil R, **Chipkin S**, Braun B . Metformin blunts reductions in serum retinol binding protein 4 following exercise training. *FASEB Supplement 958.2; Experimental Biology*, Boston MA, March 28, 2015.
  81. Aronstein NM, **Chipkin SR**, Clarkson PM, Schwartz LM, Hubal MJ Elevated Nerve Growth Factor/p75NTR Co-localization In Smokers After Eccentric Exercise; *Med Sci Sports Exerc*: 48 (5 Suppl 1):728; June 3, 2016. doi: 10.1249/01.mss.0000487184.91790.bd.
  82. Skinner SC, Choi S, **Chipkin SR**, Braun B, Malin S; Variations in Dietary Fat Associate with Insulin Sensitivity

and Appetite Following Exercise in IGT Adults: *Medicine & Science in Sports & Exercise* 47:280 · May 2015.  
DOI: 10.1249/01.mss.0000477190.01113.89.

83. Aguiar EJ, Ducharme SW, Han H, Lim J, Moore C, Busa MA, **Chipkin SR**, Staudenmayer J, Tudor-Locke C Relationship between walking cadence and percentage of heart rate reserve. *International Society of Behavioral Nutrition and Physical Activity Annual Meeting*, Victoria, Canada, Jun 7-10, 2017.
84. Aguiar EJ, Ducharme SW, Han H, Lim J, Moore CC, Busa MA, Sirard JR, **Chipkin SR**, Staudenmayer JW, Tudor-Locke C; The Relationship between Walking Cadence and Percentage of Maximum Heart Rate. ACSM, Denver CO, 2017
85. Tudor-Locke C, Han H, Ducharme SW, Schuna JM, Barreira TV, Aguiar EJ, Lim J, Moore C, Busa MA, Sirard JR, **Chipkin SR**, Staudenmayer J; Waist and wrist accelerometer step outputs in treadmill and simulated activities of daily living. *International Society of Behavioral Nutrition and Physical Activity Annual Meeting*, Victoria, Canada, Jun 7-10, 2017.
86. Blankenship J, **Chipkin SR**, Freedson P, Staudenmayer J, Lyden K, Braun B; Interfacing Continuous Glucose and Activity Measurement to Compare Glycemia after Exercise or Breaks from Sitting; ACSM Denver CO, 2017.
87. Tudor-Locke C, Schuna JM, Barreira TV, Aguiar EJ, Ducharme SW, Moore CC, Chipkin SR, Staudenmayer J. Moderate and Vigorous Intensity Walking Cadence (steps/min) Thresholds in 41-60 year old Adults. ACSM Minneapolis MN, 2018.
88. Moore CC, Ducharme SW, Aguiar EJ, Staudenmayer J, **Chipkin SR**, Schuna JM, Barreira TV, Tudor-Locke C. Revisiting the ACSM Metabolic Equation for Walking: Development of a Cadence (Steps/Min) Metabolic Equation. ACSM Minneapolis MN, 2018.
89. Gould Z, Ducharme S, McCullough AK, Moore, CC, Sands C, Amalbert-Birrirel M, Aguiar EJ, Schuna J, Barreira T, Staudenmayer J, **Chipkin SR**, Tudor-Locke C. Cadence (steps/min) Thresholds for Relative Intensity Indicators for Older Adults. ACSM Orlando FLA, 2019.
90. Amalbert-Birrirel MA, Moore CC, McCullough AK, Sands CJ, Ducharme SW, Aguiar EJ, Gould ZR, Schuna, JM2, Barreira TV, Staudenmayer J, **Chipkin SR**, Tudor-Locke C; Device-Specific Cadence (steps/min) Thresholds for Metabolic Intensities for Walking. ACSM Orlando, FLA, 2019
91. Ducharme SW, Aguiar EJ, McCullough AK, Moore CC, Sands CJ, Amalbert-Birrirel, MA, Gould ZR, Schuna JM, Barreira TV, **Chipkin SR**, Tudor-Locke C. Do Older Adults Achieve Moderate Intensity when Walking at their Self-Selected Pace? ACSM 2019.
92. Moore, CC, Aguiar, EJ, Ducharme, SW, Gould, ZR, Amalbert-Birrirel, MA, Chase, CJ, **Chipkin, SR**, Staudenmayer, J, Barreira, TV, Schuna, JM Jr, & Tudor-Locke, C. Device-Specific Cadence Thresholds for Moderate and Vigorous Intensity Walking: The CADENCE-Adults Study. *American College of Sports Medicine Annual Meeting*, San Francisco, CA, 2020 (accepted but meeting canceled).
93. Gordon JA, Remillard NM, Straight CR, Nagarajan R, Damon BM, **Chipkin SR**, Miller MS, Kent JA. Age-Related Changes in Molecular and Whole Muscle Function: Role of Fat Content? Gerontological Society Meeting 2020.
94. Straight CR, Gordon JA, Foster AD, Remillard NM, Nagarajan R, Damon BM, **Chipkin SR**, Kent JA, Miller MS; Sex-Dependent Effects of Quadriceps Fat Content on Single Muscle Fiber Size in Older Adults. Gerontological Society Meeting 2020.