

STUART R. CHIPKIN, MD, FACE

Current Positions

Research Professor, University of Massachusetts
School of Public Health and Health Sciences
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Endocrinology, Diabetes and Metabolism
Valley Medical Group
31 Hall Drive
Amherst, MA 01102
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EDUCATION

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

POSTDOCTORAL TRAINING

- Research Fellow
Department of Physiology
University of Massachusetts Medical School, Worcester, MA
- Research / Clinical Fellow
Division of Endocrinology and Metabolism
University of Massachusetts Medical Center, Worcester, MA
- Intern and Resident, Internal Medicine
St. Vincent Hospital, Worcester, MA

ADDITIONAL EDUCATION/TRAINING

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

LICENSURE and CERTIFICATION

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

ACADEMIC APPOINTMENTS (REVERSE CHRONOLOGY)

- University of Massachusetts, Amherst, MA
 - Research Professor, Department of Kinesiology, School of Public Health and Health Sciences (current)
 - Adjunct Professor, School of Public Health and Health Sciences

- Tufts University School of Medicine, Boston, MA
 - Associate Professor, Department of Medicine
- Boston University School of Medicine, Boston, MA
 - Associate Professor, Department of Medicine
 - Associate Research Professor, Department of Social and Behavioral Sciences, School of Public Health
 - Research Associate Professor, Department of Physiology
 - Assistant Professor, Departments of Medicine and Physiology
 - Instructor of Medicine, Department of Medicine
- University of Massachusetts Medical School, Worcester, MA
 - Instructor of Medicine

HOSPITAL APPOINTMENTS (REVERSE CHRONOLOGY)

- Attending Physician, Cooley-Dickinson Hospital, Northampton, MA (current)
- Attending Physician, Baystate Medical Center, Springfield, MA (current)
- Associate Staff Physician, Boston Medical Center, Boston, MA
- Consulting Staff, Jewish Memorial Hospital, Boston, MA
- Visiting Assistant Physician, Boston City Hospital, Boston, MA
- Associate Staff Physician, The University Hospital, Boston, MA

PROFESSIONAL EXPERIENCE (REVERSE CHRONOLOGY)

- Director, Diabetes Management Program (current)
Valley Medical Group, Amherst/Northampton/Greenfield/Easthampton, MA
- Laboratory Director
Valley Medical Group, Amherst, MA
- Co-Director, Lipid Management Center
Baystate Medical Center, Springfield, MA
- Director, Diabetes / Metabolism Research Laboratory
Baystate Medical Center, Springfield, MA
- Chief, Division of Endocrinology, Diabetes and Metabolism
Baystate Medical Center, Springfield, MA
- Associate Chief, Section of Endocrinology, Nutrition and Diabetes
Boston Medical Center, Boston, MA
- Co-Director Lipid Center
Boston University Medical Center / Boston Medical Center, Boston, MA
- Director, Clinical Endocrinology, Diabetes and Metabolism
Boston University Medical Center / Boston Medical Center, Boston, MA
- Director, Clinical Initiative for Endocrine, Bone Health and Diabetes
Boston University Medical Center, Boston, MA
- Director, Diabetes Management Unit
Boston City Hospital, Boston, MA
- Fellowship Director, Divisions of Endocrinology, Diabetes and Metabolism
Boston City Hospital and The University Hospital, Boston, MA
- Director, Diabetes Service
Boston City Hospital, Boston, MA

- Associate Director, General Clinical Research Center, Boston City Hospital
Boston University School of Medicine, Boston, MA

HOSPITAL, MEDICAL SCHOOL, OR UNIVERSITY COMMITTEE ASSIGNMENTS (REVERSE CHRONOLOGY)

- Personnel Committee
Department of Kinesiology
University of Massachusetts School of Public Health and Health Sciences, Amherst, MA
- Genetics Task Force
Baystate Medical Center
Springfield, MA
- Planning Committee
Baystate/University of Massachusetts Biomedical Research Initiative
Amherst, MA
- Women’s Health Coordinating Team
Baystate Health System
Springfield, MA
- Chairman, Medical Nutrition Committee
Baystate Medical Center
Springfield, MA
- Clinical Care Strategic Planning Committee
Department of Medicine, Boston University Medical Center
Boston, MA
- Promotions Policy Committee
Boston University School of Medicine
Boston, MA
- Ambulatory Care Committee
Department of Medicine
Boston University Medical Center, Boston, MA
- Ambulatory Care Center Review Team
Department of Health and Hospitals
Boston, MA
- Intern Selection Committee
Department of Medicine
Boston City Hospital, Boston, MA
- Advisory Committee
Department of Medicine
Boston University General Clinical Research Center, Boston, MA
- Protocol Review Committee
Department of Medicine
Boston University General Clinical Research Center, Boston, MA

OTHER MAJOR NATIONAL AND REGIONAL COMMITTEE ASSIGNMENTS, EXTERNAL ACTIVITIES AND HONORS (REVERSE CHRONOLOGY)

- 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*
- Disease Management and Wellness: Diabetes Task Force

Commonwealth of Massachusetts

- Committee Leadership Service Award
Massachusetts Medical Society
- Member, Task Force on Blood Glucose Management in Cardiac Surgery
Society of Thoracic Surgeons
- Chair, Committee on Nutrition
Massachusetts Medical Society
- Member, Committee on Public Health
Massachusetts Medical Society
- Executive Committee Member, Diabetes Coalition of Massachusetts
- Honorary Chair, ADA Walk for Diabetes
Springfield, MA
- Vice chair, Committee on Nutrition
Massachusetts Medical Society
- Special Recognition Award
Western Area Massachusetts Dietetic Association
- Recipient, Baystate Health System Presidential Quality Award
“Implementation of Staged Diabetes Management”
- Ad-hoc grant reviewer
Scottish Hospital Endowments Research Trust
- Recipient, Baystate Health System Presidential Quality Award
“Surgical Infection Prevention Project”
- Session Chair, “Non-glycemic targets in type 2 diabetes: how aggressive should we be?”, American Diabetes Association, 63rd Scientific Sessions, New Orleans, LA
- Session Chair, “Glucose Control in Critical Care Settings”
American Diabetes Association, 63rd Scientific Sessions, New Orleans, LA
- Reviewer, Pilot and Feasibility application
Yale Diabetes Endocrinology Research Center
- Session Chair, “Oral Agents to Treat Insulin Resistance”
American Diabetes Association, 62nd Scientific Sessions, San Francisco, CA
- Scientific Sessions Committee
American Diabetes Association
- Grand Rounds Faculty Member
Reducing Cardiovascular Morbidity & Mortality in Diabetes
American Diabetes Association
- Academic Planning Committee
Baystate Medical Center / University of Massachusetts Research Institute
- Committee on Guidelines Implementation and Education
Massachusetts Department of Public Health
- Diabetes Guidelines Work Group, Diabetes Control Project
Massachusetts Department of Public Health
- Committee on Nutrition
Massachusetts Medical Society
- Medical Consultant, Diabetes Control Program
Massachusetts Department of Public Health

- Research Grant Review Panel
American Diabetes Association
- Board of Directors
American Diabetes Association, Massachusetts Affiliate
- Grant Review
Jewish Hospital Foundation, Louisville, KY
- Task Force on Underserved Communities
American Diabetes Association, Massachusetts Affiliate
- Ad Hoc Reviewer, Space Physiology and Countermeasures Panel
American Institute of Biological Sciences
- Contributor, Re-certification Examination Questions, Endocrinology, Diabetes and Metabolism, American Board of Internal Medicine
- Massachusetts General Hospital Laboratory of Computer Science, Software Design and Development “Clinical Problems in Hyponatremia”
G. Octo Barnett, MD, Boston, MA
- National Institutes of Health, Computers in Clinical Medicine
D. Rodbard, MD, Bethesda, Maryland

TRAINING OF GRADUATE STUDENTS / POST-DOCTORAL (REVERSE CHRONOLOGY)

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

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

TEACHING RESPONSIBILITIES

- Guest Lecturer, American College of Cardiology, Core Curriculum for the Cardiovascular Clinician, (1) *Metabolic Syndrome and CVD*, (2) *Diabetes Management of CAD Patients*, and (3) *Thyroid Disease in the Cardiovascular Patient*, Washington, DC
- Guest Lecturer, American College of Cardiology, Core Curriculum for the Cardiovascular Clinician, (1) *Diabetes Management of CAD Patients* and (2) *Thyroid Disease in the Cardiovascular Patient*, Washington, DC
- Guest Lecturer, Medical Therapy for Diabetes and Obesity, *Nutritional problems in the US*, University of Massachusetts (*Nutrition 577*), Amherst, MA
- Course director, *Advanced Pathophysiology* University of Massachusetts (N615), Amherst, MA
- Course director, *Pathophysiology* University of Massachusetts (N301), Amherst, MA
- Guest Lecturer, *Clinical Applications in Nutrition in Health and Disease* Northeastern University (BHS G530/BHSU230), Boston, MA
- Visiting Professor, *Clinical Pathologic Conference (CPC)* Brown University Medical School, Providence, RI
- *Outpatient Management of Diabetes Mellitus* University of Massachusetts School of Nursing, Amherst, MA
- Diabetes Update, *Broadening the Skills of the Internist* American College of Physicians, Boston, MA
- Noon Lectures, *"Topics in Endocrinology"* Internal Medicine House Staff, Baystate Medical Center, Springfield, MA
- *Outpatient Diabetes Management* (yearly 4-hour program) Boston Medical Center Primary Care Residents
- Guest Lecturer, *Community Intervention Strategies: Latino Diabetes Project*

Boston University School of Public Health (GMS NU 700/SPH80), Boston, MA

- Guest Lecturer, *Diet and The Global Prevention of Chronic Disease*
Boston University School of Public Health, Boston, MA
- *Thyroid Disorders: Update for the Non-Endocrinologist*
Boston University Continuing Medical Education
- Morning Report Attending (1 month/year)
Boston City Hospital / Boston Medical Center
- Diabetes Section, *Biology of Disease*
Boston University School of Medicine (second year students)
- Guest Lecturer, Noontime House Officers' Lecture Series
University Hospital / Boston City Hospital / Boston Medical Center
- *Endocrine Emergencies*, House Staff Emergency Medicine Lecture Series
Boston City Hospital / Boston Medical Center

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

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

RESEARCH SUPPORT

- Center for the Promotion of Health in the New England Workplace: *Effects of Using a Pedal Desk on Postprandial Glucose and Insulin Responses*.
Principal Investigator: SR Chipkin
- NIH R01 AG049024: *CADENCE-Adults: Cadence and Intensity Across the Adult Lifespan*. Principal Investigator: C Tudor-Locke
- Health Care Workforce Transformation Fund Training Grant: *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*. Principal Investigator: SR Chipkin.
- Health Care Workforce Transformation Fund Planning Grant: *Enhancing Workforce Skills in Health Care Behaviors and Resource Utilization: Assessment for Training in Cultural Competency and Patient Engagement*. Principal Investigator: SR Chipkin
- Public Service Endowment Grant: *Sustainable Chronic Disease Management Programming in Communities Surrounding UMass Amherst: A Collaborative Effort Between Students and Community Leaders*. Co-Principal Investigators: D Heffernan and SR Chipkin
- Health Resource and Services Administration: *Western Massachusetts Public Health Training Center Grant: University of Massachusetts*. Co-Principal Investigators: SR

Chipkin and D Gerber

- Department of Defense: *The Effect of Smoking on Muscle Adaptation to Exercise Stress*. Principal Investigator: P Clarkson
- NIH/NIA R01 AG021094-06A1: *Skeletal Muscle Fatigue in Older Adults*. Principal Investigator: J Kent-Braun
- NIH/NIDDK R56 DK081038: *Combined use of exercise and metformin for metabolic rehabilitation*. Principal Investigator: B Braun
- Interleukin Genetics: *The Effect of an Antioxidant Supplement on Gene Expression in Response to Exercise Stress*. Principal Investigator: P Clarkson
- UMass MRI-MRS Pilot Research Grant Application: *Low testosterone impact on visceral fat and muscle in type 2 diabetes*. Principal Investigator: SR Chipkin
- NHLBI- RO1HL081893: *The Effect of Statins on Skeletal Muscle Function*. Principal Investigator: P Thompson
- National Science Foundation: *Dynamics of the Human Thyroid- Towards Human Applications*. Co-Principal investigators: Y Chait and SR Chipkin
- Health Resources and Services Administration: *Life Matters Program (LifeMAP)- Health Risk Assessment, Health and Lifestyle Management*. Principal Investigator: J DeMartinis.
- UMass/Baystate Collaborative Biomedical Research Program: *Neuroendocrine Response to Exercise-Induced Energy Deficit*. Co-Principal Investigators: B Braun and SR Chipkin
- American Diabetes Association: *Interactions between exercise and metformin in pre-diabetes: Glucose metabolism at the cellular, whole-body and clinically relevant levels*. Principal Investigator: B Braun
- Glass Foundation: *Optimizing Fuel Metabolism During Exercise*. Co-Principal Investigators: B Braun and SR Chipkin
- Pfizer Study: *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 Type 2 Diabetes, Poorly Controlled on Combination Sulfonylurea and Metformin treatment*. Principal Investigator (local): SR Chipkin
- Merck Inc.: *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*. Principal Investigator (local): SR Chipkin
- Collaborative Biomedical Research Program: *Role of Testosterone in Regulating Carbohydrate and Fat Utilization during Exercise*. Co-Principal Investigators: B Braun and SR Chipkin
- 02-062 Argose Inc.: *Pilot Study to Evaluate the Potential of Fluorescence and Diffuse Reflectance Spectroscopy as a Technique for Non-invasive Measurement of Glucose*. Principal Investigator: SR Chipkin
- The Glass Foundation: *Changes in Skeletal Muscle Physiology from Insulin Resistance*. Co-Principal Investigators: B Braun and SR Chipkin
- 01-244 Sanofi Study: *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)*. Principal Investigator: SR Chipkin
- 01-119 University of Massachusetts. *Effects of Estrogen and Progesterone on Substrate Utilization during Exercise*. Co-Principal Investigators: B Braun and SR Chipkin
- 00-189 University of Massachusetts: *Effects of Insulin Resistance on Blood Glucose Uptake*

during Exercise. Co-Principal Investigators: B Braun and SR Chipkin

- A12510031014 Pfizer Inc.: *The Safety and Efficacy of Addition of Glucotrol XL® 2.5 versus Placebo in Patients with Type 2 Diabetes Treated with Glucophage®*. Principal Investigator: SR Chipkin
- ADD-99-023 Abbott Laboratories Inc.: *Testing of Asteroid Prototype S3*. Principal Investigator: SR Chipkin
- 97-021 Abbott Laboratories Inc.: *Use of Human Tissue Optical Properties to Assess Blood Glucose Concentrations*. Principal Investigator: SR Chipkin
- NIA-R01 AG019, PA-94-008: *Causes / Consequences of Malnutrition in Homebound Elderly*. Principal Investigator: B Millen
- NIDDK-R01 DK 48122: *Diet Change in NIDDM Caribbean Latinos: A Team Approach*. Principal Investigator: SR Chipkin
- Boston Obesity / Nutrition Research Center: Pilot Project. Principal Investigator: SR Chipkin
- Medicaid Voluntary Program for Diabetes Mellitus. Principal Investigator: SR Chipkin
- NIDDK-R21 DK 95188: *Diabetes Mellitus in Urban Caribbean Latinos*. Principal Investigator: SR Chipkin
- NIDDK-K08 DK 01902: Clinical Investigator Award- *Counter-Insulin Hormones and Blood-Brain Barrier Glucose Transport*. Principal Investigator: SR Chipkin
- Juvenile Diabetes Foundation Research Fellowship. *Glucocorticoids and Hexose Transport across the Blood-Brain Barrier*. Principal Investigator: SR Chipkin

EDITORIAL BOARDS AND ACTIVITY

PRESENT (WITHIN PAST 2 YEARS):

Specialty Editor, Endocrinology, Diabetes and Metabolism, American Journal of Medicine

Diabetes Care- Reviewer

American Journal of Medicine- Reviewer

Endocrine Practice- Reviewer

Journal of Sexual Medicine- Reviewer

BMC Cardiovascular Disorders- Reviewer

Journal of Clinical and Translational Endocrinology- Reviewer

PREVIOUS:

American Journal of Cardiology

American Journal of Physiology

New England Journal of Medicine

Ethnicity and Disease

Obesity

Clinical Endocrinology

Diabetes Research and Clinical Practice

Journal of Diabetes Science and Technology

PUBLICATIONS: REFEREED, REVIEWS AND BOOK CHAPTERS (CHRONOLOGICAL)

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*, 59:61-5.

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.
3. **Chipkin SR**, Stoff JS, Aronin N: Immunohistochemical evidence for neural mediation of VIP activity in the dogfish rectal gland. *Peptides*, 9:119-124.
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.
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).
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.
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.
8. Alpert JS, **Chipkin SR**, Aronin N: Diabetes mellitus and silent myocardial ischemia. *Adv. Cardiology*, 37:297-303.
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.
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.
11. **Chipkin SR**, Baran DT: Abnormalities of calcium, magnesium and phosphorous metabolism. In: May HL (ed), *Emergency Medicine*, (2nd edition), Little, Brown and Company, Boston, MA, 1283-94.
12. **Chipkin SR**: Lipoprotein metabolism and coronary heart disease. In: Alpert, JS (ed), *Atlas of the Heart*, (2nd edition), Raven Press, New York, 421-36.
13. **Chipkin SR**: Endocrine disorders and the heart. In: Alpert, JS (ed), *Atlas of the Heart*, (2nd edition), Raven Press, New York, 503-16.
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* (13th edition), Lea and Febiger Publications, Philadelphia, PA, 97-117.
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.
16. **Chipkin SR**: Complications of exercise in patients with diabetes mellitus. *Challenge*, Vol VIII(1) 6-7.
17. 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.
18. Brunt MJ, **Chipkin SR**: Endocrinologic manifestations. In: Libman H, Witzburg RA (eds), *HIV Infection - A primary care manual* (3rd edition), Little, Brown and Company, Boston, MA, 225-40.
19. 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.
20. **Chipkin SR**, Gottlieb PA: Diabetes Mellitus. In: Noble J (ed) *Textbook of Primary Care Medicine* (2nd edition). Mosby, St. Louis, MO. pp 476-497.
21. **Chipkin SR**: Lipid Disorders. In: Noble J. (ed) *Textbook of Primary Care and General Medicine* (2nd edition). Mosby, St. Louis, MO. pp 574-586.
22. 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.
23. 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.
24. **Chipkin SR**, van Bueren A, Bercel 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.
25. 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.
26. 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.
 27. **Chipkin SR**, deGroot M: Contextual variable influences outcome measures in minority populations with diabetes mellitus. *Diabetes Spectrum*, 11:149-160.
 28. Tangpricha V, Hariram SD, **Chipkin SR**: Compliance with guidelines for thyroid nodule evaluation. *Endocrine Practice*, 5:119-123.
 29. 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.
 30. 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.
 31. 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 β -cell function: enhanced glucose-induced insulin secretion and altered gene expression in rodent pancreatic β -cells. *Diabetes*, 49(12):2012-2020.
 32. 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.
 33. **Chipkin SR**, Klugh SA, Chasan-Taber L: Exercise and diabetes. *Cardiology Clinics*, 19:489-505.
 34. 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.
 35. 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.
 36. Tangpricha V, Ducharme SH, Barber TW, **Chipkin SR**: Endocrinologic treatment for gender identity disorders. *Endocrine Practice*, 9:12-21.
 37. **Chipkin SR**, Lazar H: Benefits of peri- and post-operative glucose control. *Practical Diabetology*, 21(3):33-39.
 38. 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.
 39. **Chipkin SR**, Cohen EA, Smith BW: Endocrine Disorders. *Saunders Manual of Neurologic Practice, Endocrine Disorders*, 830-841.
 40. **Chipkin SR**, Cohen EA, Smith BW: Pituitary Tumors. *Saunders Manual of Neurologic Practice, Pituitary Tumors*, 930-934.
 41. 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.
 42. 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.
 43. 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* (14th edition), Lippincott, Williams and Wilkins, 127-144.
 44. **Chipkin SR**, Black SE, Braun B: The balance between exercise and diet: Impact on insulin sensitivity. *Curr Opin Endocrinol Diabetes*, 12:152-156.
 45. **Chipkin SR**: How to Select and Combine Oral Agents. *Am J Med* 118 (Suppl 1): 4S-13S.
 46. 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.
 47. 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.
48. 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.
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