

CURRICULUM VITAE

July 1, 2021

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Undergraduate Education:

American University of Beirut	1973-1976	B.Sc. With High Distinction
American University of Beirut	1976-1980	M.D. with Distinction and Penrose Award

Post-Graduate Training:

American University Hospital	7/1/79 - 6/30/80	Internship (straight) in Internal Medicine
American University Hospital	7/1/80 - 6/30/82	Residency (Internal Medicine)
University of Minnesota	7/1/82 - 6/30/85	Fellowship - Endocrinology

CERTIFICATIONS AND LICENSURES:

I. General:

Bachelor of Sciences (B.Sc. in Biology), 1976

National Board Examination (Part I), 1977

National Board Examination (Part II), 1979

E.C.F.M.G. Certification, 1979

Doctor of Medicine (M.D.), 1980

F.L.E.X. Certification, 1980

A.C.L.S. Certification, 1984

II. Specialty Boards:

Internal Medicine (Certified, 09/16/1987)

Endocrinology, Diabetes and Metabolism (Certified, 11/07/89)

Geriatric Medicine (Certified, 01/01/1990)

III. Professional Licenses:

New York State (1981) License No. 145493

Minnesota (1982) License No. 27670

California (1985) License No. C41800

Arizona (1988) License No. 18049

Missouri (1991) License No. MDR1P91

Illinois (1992) License No. 003-036-084534-01

Florida (2006) License No. ME 95499

Academic and Professional Appointments:

University of Florida	5/1/2006 - Present	Chairman; Department of Medicine
University of Florida	5/1/2006 - Present	Professor of Medicine Tenured: 5/1/2006
University of Florida	5/1/2011 - 6/30/2013	Director; Clinical Research Unit (CTSI)
Shands Hospital-Jacksonville	5/1/2006- Present	Chief; Medical Service
Saint Louis University	7/1/1991 - 5/14/2006	Director, Division of Endocrinology, Diabetes and Metabolism
Saint Louis University	7/1/1991 - 5/14/2006	Professor of Internal Medicine Tenured: 7/1/1992
Sun Yat-Sen University (People's Republic of China)	4/1/2001 - 4/1/2003	Professor of Internal Medicine/Endocrinology (Honorary)
St. Louis VA Medical Center	7/1/1991 - 5/1/2006	Staff Physician (WOC since 1997)
University of Arizona	7/1/1988 - 6/30/1991	Associate Professor of Internal Medicine Tenured: 7/1/1989
Tucson VA Medical Center	7/1/1988 - 6/30/1991	Staff Physician
University of Arizona	7/1/1988 - 6/30/1991	Director of Gerontological Research
University of California Los Angeles	7/1/1985 - 6/30/1988	Assistant Professor of Internal Medicine
Sepulveda VA Medical Center	7/1/1985 - 6/30/1988	Staff Physician

Honors and Awards:

1. Alpha Omega Alpha Honor Medical Society, 1979.
2. Phi Kappa Phi Honor Society, 1984.
3. Penrose Award, 1980.
4. N.I.H. Individual Fellowship Award 1984.
5. Veterans' Administration Merit Award: 1985
6. Veterans' Administration Merit Award: 1987.
7. Veterans' Administration Merit Award: 1990.
8. Veterans' Administration Merit Award: 1993.
9. Who's Who in Science and Engineering, 1992-
10. Who's Who in the Midwest, 1993-
11. Who's Who in Medicine and Healthcare, 1995-
12. International Who's Who in Medicine, 1995-
13. Who's Who in America (51st edition) 1997-
14. Who's Who in American Education 2003-
15. Guide to America's Top Physicians 2003-
16. Elected foreign member of the National Academy of Sciences, Republic of Armenia, Nov 28, 2008.
17. USA TODAY Most Influential Doctors, 2009-present
18. Best Doctors in America—2009-present
19. National Consumers Survey's Book "Florida: Most Recommended Physicians" 2011-
20. Exemplary Teacher Award, University of Florida College of Medicine, 2012.
21. American Men & Women of Science 33rd, 34th and 35th editions; 2015- current
22. University of Florida Research Foundation (UFRF) Professorship Award 2016-2018.
23. University Term Professor award for the period July 1, 2017 – June 30, 2020.
24. Exemplary Teacher Award, University of Florida College of Medicine, 2020.

Professional Societies:

1. American Association for the Advancement of Science
2. The Endocrine Society
3. Gerontological Society of America
4. American Diabetes Association
5. Saint Louis Society of Internal Medicine
6. Association of Professors of Medicine (APM) 2006-

Editorial Boards:

1. American Journal of Therapeutics: Section Editor for Internal Medicine; March 2010-May 2016
2. Austin Pharmacology and Pharmaceutics
3. Pragmatic and Observational Research; 2010-present
4. World Journal of Diabetes (WJD) 2010-present
5. Academic Internal Medicine Insight 2008-June 2015
6. Drugs 2007-Present
7. Drugs and Aging 1990-Present
8. Diabetes Spectrum 1992-1996
9. Journal of the American Geriatrics Society 1989-1992

Ad Hoc Reviewer for Grant Applications:

1. Veterans Affairs Research Service
2. National Institute of Health
3. Medical Research Council (Canada)
4. The Wellcome Trust
5. Texas Institute for Research and Education on Aging (TIREA)
6. Austrian Science Fund
7. Diabetes UK (the operating name of The British Diabetic Association)
8. National Academy of Sciences, Republic of Armenia; Scientific Advisor
9. The Netherlands Organisation for Health Research and Development (ZonMw).
10. Health Research Board (HRB) (Ireland)
11. MRC - UK-Malaysia Newton Fund

Ad Hoc Reviewer for the Following Journals:

1. Acta Neurochirurgica
2. Acta Neuropathologica
3. The American Journal of Clinical Nutrition
4. The American Journal of Medicine
5. The American Journal of Physiology
6. American Journal of Cardiovascular Drugs
7. The American Journal of Kidney Disease
8. The Archives of Internal Medicine
9. Annals of Nutrition and Metabolism
10. Biochimica et Biophysica Acta (BBA)
11. Brain Research
12. British Journal of Nutrition
13. British Journal of Pharmacology
14. Clinica Chimica Acta
15. Clinical Pharmacology and Therapeutics
16. Diabetes
17. Diabetes Care
18. Diabetic Medicine
19. Diabetes and Metabolism Research and Reviews
20. Diabetes Spectrum
21. Drugs
22. Drugs and Aging
23. Endocrinology
24. Endocrine
25. Expert Opinion on Pharmacotherapy.
26. Life Sciences
27. Metabolism: Clinical and Experimental
28. Obesity
29. Journal of the American Geriatrics Society
30. Journal of Applied Physiology
31. Journal of Gerontology
32. Journal of Clinical Investigation
33. Journal of Clinical Endocrinology and Metabolism
34. Journal of Endocrinology
35. Journal of Hospital Medicine
36. Journal of Laboratory and Clinical Medicine
37. Journal of Molecular Endocrinology
38. Journal of Molecular and Cellular Biochemistry
39. Journal of Neurochemistry
40. Journal of Nutrition, Health and Aging
41. Journal of Nutritional Biochemistry
42. Journal of Pharmacology and Experimental Therapeutics
43. Journal of Physiology.
44. Molecular Endocrinology
45. Neurobiology of Aging
46. Neuroscience Letters
47. Nutrition
48. Pharmacological Research
49. Proceedings of the Society of Experimental Biology and Medicine
50. The Lancet
51. PLOS One
52. Drugs & Therapy Perspective

National /Regional Committees:

1. Association of Professors of Medicine (APM), Communications Committee July 2008- June 2012.
2. Academic Medical Center (AMC) Advisory Board meeting; Pfizer Inc. 2008, 2009.
3. Committee for selection of Diabetes Visiting Professorship sponsored by Pfizer Inc. 2007, 2008, 2009.
4. Reviewer for Effective Health Care Programs; the Agency for Healthcare Research and Quality, Rockville, MD. 2008.
5. American Diabetes Association Task Force for writing Nutrition Principles for the Management of Diabetes and Related Complications, 2005-2006.
6. Scientific Advisory Board of the American Society of Klinefelter's Syndrome, 2000-2005.
7. Society of Internal Medicine (St. Louis) President: Dec.2002-Dec. 2003
8. Society of Internal Medicine (St. Louis) President-elect: Dec.2001-Dec.2002.
9. Chairman of Council on Nutrition and Metabolism, the American Diabetes Association, 7/1/2000-7/1-2002.
10. American Diabetes Association Task Force for writing Nutrition Principles for the Management of Diabetes and Related Complications, 2000-2001.
11. American Diabetes Association Task Force on Diabetes in Older Adults, 1998.
12. V.A./JDF Diabetes Centers of Excellence Review Committee, 1998.
13. Chair, the American Diabetes Association Steering Committee for Continuing Education Programs on Diabetes in the Elderly, 1995-1997.
14. NIH/NIA Claude Pepper Centers Review Committee, 1995.
15. Chair of the American Diabetes Association Task Force on Micronutrients in Diabetes, 1990-1994.

Local Committees at the University of Florida:

1. Corporate Structure and Function Evaluation Committee. 2014.
2. Board of Directors, the University of Florida Jacksonville Healthcare, Inc. May 2006-Present.
3. Treasurer University of Florida Jacksonville Healthcare, Inc. June 29, 2011-Present.
4. Executive Committee, the University of Florida, College of Medicine Jacksonville, May 2006-Present.
5. Medical Executive Committee, Shands Hospitals, Jacksonville, FL. May 2006-Present
6. Clinical Operations Committee, University of Florida Jacksonville Healthcare, Inc. May 2006-Present.
7. Best Practices Committee, the University of Florida, College of Medicine Jacksonville, February 2012-2014
8. Executive Committee of the Department of Medicine, University of Florida College of Medicine, Jacksonville, May 2006-Present
9. Search Committee for the Assistant Dean for Research, 2006.
10. Dean's advisory committee for development and promotion of research October 2006-present
11. Scholarly activity taskforce for GME-2006.
12. Academic achievement enhancement committee 2006-2012
13. Chairman of the Search Committee for the Chairman of the Department of Surgery
14. Chairman of the nominating committee for the University of Florida Jacksonville Healthcare, Inc (UFJHI) Board membership at large- August 2007.
15. Finance Committee of University of Florida Jacksonville Healthcare, Inc. August 2007-Present
16. Planning and Development Committee. December 2007-2012
17. International Healthcare Advisory Committee May 2008-2012
18. Chairman of the University of Florida COM-JAX Industry Conflict Task Force. May 2008-Present
19. UF CTSA (Clinical and Translational Science Award) Scientific Advisory Board member 2007-2013
20. UF GRECC (Geriatric Research Education and Clinical Center) Advisory Board member 2008-present.
21. Service Excellence Committee 2009-2013.
22. Self-Pay Policy Task force 2009.
23. Search Committee for the Chairman, Department of Medicine, University of Florida COM Gainesville campus.
24. Investment Committee for the University of Florida Jacksonville Healthcare, Inc. 2010-present.
25. Search Committee for the Chairman, Department of Radiology, University of Florida COM Jacksonville.
26. Search Committee for the Chief Medical Officer, Vice President and Senior Associate Dean for Quality and Patient safety Affairs, Shands Hospital and University of Florida COM Jacksonville.

Local Committees at Saint Louis University:

1. Executive Committee, Department of Internal Medicine, Saint Louis University, 1995-2006.
2. Board of Trustees Saint Louis University, Clinical Affairs Committee: December 2002- 2005.
3. Committee for Conflict of Commitment. 2004.
4. Residency Review Committee of the Division of Plastic Surgery, 2004.
5. Chairman of the Executive Committee of the University Medical Group (UMG), Saint Louis University, 4/2000-4/2002. (*Responsible for overseeing the implementation of policies and procedures as well as financial operations of the UMG*).
6. Governing Board of the University Medical Group (UMG), Saint Louis University, 4/2000-4/2002.
7. Committee for negotiating Master Lease Agreement with Tenet Inc., 6/2002.
8. Physician's Incentive Compensation Committee, Saint Louis University, 1997-2000.
9. Residency Review Committee of the Department of Surgery, 2000.
10. Residency Review Committee of the Department of Psychiatry, 1998.
11. Residency Review Committee for the Department of Orthopedic Surgery, 1996.
12. Diabetes Advisory Committee of Saint Louis University, 1991-1997.
13. Ancillary Testing Committee, St. Louis V.A. Medical Center, 1994-1996.
14. Search Committee OB-Gyn Chairman, 1995-1997.

Organizer of Regional or National Educational Symposia:

1. Annual Symposium on Endocrinology and Diabetes, Saint Louis University, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2003.
2. St. Louis Endocrine Club: Quarterly Meetings, 1991-2006.
3. Directors of Endocrinology Meeting; Caribbean, 1996.
4. National Meeting: Diabetes in Older Adults, Cancun, Mexico, 1998.

Consultant for the following pharmaceutical companies:

1. Alza, Inc.
2. Eli Lilly, Co.
3. Merck, Sharp and Dohme
4. Novartis
5. Andrx Laboratories
6. Pfizer, Inc.
7. Cygnus Therapeutic Systems
8. Bayer Pharmaceutical Company
9. Parke-Davis
10. Alpha Therapeutics
11. Astra Merck
12. Nissan Pharmaceuticals
13. Williamson Major Group
14. Novo Nordisk
15. Toler Rx Inc.
16. Matsutani Co.

Post Doctoral Fellows Mentored/Trained in the Laboratory

1. Gregory A. Mintz, DMD, M.D (Gerodontology) 1987
2. Elaine M. Wynn Pharm D. (Geropharmacy) 1987
3. Shahe' G. Boghosian, M.D. (Geriatrics) 1987
4. Daniel Petrasek, M.D. (Geriatrics) 1988
5. Gary D. Kavonian, M.D. (Geriatrics) 1988
6. Lynn Hernandez, Pharm D (Geropharmacy) 1988
7. Vicky L. Grieff, M.D. (Geriatrics) 1989
8. Joan M. Hartnell, M.D. Ph.D. (Gerontology) 1986-1988
9. Chien C. Lung Ph.D. (Immunology) 1990-1991
10. Mohamad D. Yahya Ph.D.(Immunology) 1990-1991
11. Kent R. Wehmeier, M.D (Endocrinology) 1991-1993.
12. Wael Girgus, M.D. (Endocrinology) 1993-1995
13. Mencio Chez, M.D. (Endocrinology) 1993-1995
14. Jerome E. Thurman, M.D. (Endocrinology) 1995-1997
15. Reza Rofugaran, M.D. (Endocrinology) 1995-1997
16. Joe M. Chehade, M.D. (Endocrinology) 1997-2000
17. Joohee Kim, M.D (Endocrinology) 1997-1999.
18. George Thampy, M.D. Ph. D. (Endocrinology) 2000
19. Christopher C. Case, M.D. (Endocrinology) 2000.
20. Mary J. Deleon, M.D. (Endocrinology) 1999-2001
21. Vikram Chandurkar, M.D. (Endocrinology) 1999-2001.

Post Doctoral Fellows Mentored/Trained in the Laboratory (Cont'd)

22. Khuram Wadud, M.D. (Endocrinology) 2000-2002
23. Bibi Hasanain M.D. (Endocrinology) 2001-2003.
24. Mohamad H. Horani M.D. (Endocrinology) 2001-2003.
25. Rula Sawaf, M.D. (Endocrinology) 2002.
26. Freij Gobal M.D. (Endocrinology) 2003.
27. Amjad Mreyoud, M.D. (Endocrinology) 2001.
28. Mary Hovsepyan, Ph. D. (Endocrinology) 2003.
29. Ralph Oiknine, M.D (Endocrinology) 2002-2004
30. Ann Beers, M.D. M.D. (Endocrinology) 2003-2005.
31. Rachel Fishman, M.D. (Endocrinology) 2003-2005.
32. Shant A. Parseghian, M.D. (Endocrinology) 2004-2006.
33. Baha Laz, M.D (Endocrinology) 2004-2006.
34. Sahar B. Hachem, M.D. (Endocrinology) 2005-2006.
35. Kenneth Ligaray, M.D. (Endocrinology) 2005-2006.
36. Sinan M. Sultan, M.D. (Endocrinology) 2008-2010.
37. Abdul R Alamir, M.D. (Endocrinology) 2008-2010.
38. Imad Naem, M.D. (Endocrinology) 2009-2011.
39. Rosie Alcalde, M.D. (Endocrinology) 2009-2011.
40. Sandra.Mesliniene, M.D. (Endocrinology) 2010-2012.
41. Margaret.Gladysz, M.D. (Endocrinology) 2010-2012.
42. Anna Sweitlik, M.D. (Endocrinology) 2011-2013.

Post Doctoral Fellows Mentored/Trained in the Laboratory (Cont'd)

43. Hagop Kojanian, M.D. (Endocrinology) 2011-2013.
44. Salma M.D. (Endocrinology) 2012-2014
45. Melanie Thomas, M.D. (Endocrinology) 2012-2014
46. Harshit Shah, M.D. (Endocrinology) 2013-2015
47. William Kurban, M.D. (Endocrinology) 2013-2015
48. Monica Plazarte, M.D. (Endocrinology) 2014-2016
49. Ayham Chamssedin, M.D. (Endocrinology) 2014-2016
50. Mary lou Jurado-Flores, M.D. (Endocrinology) 2015-2017
51. Ramadan Hammoud, M.D. (Endocrinology) 2015-2017
52. Victoria Feng, M.D. (Endocrinology) 2016-2018
53. Krista Gonzales, M.D. (Endocrinology) 2016-2018
54. Priyanka Bikkina, M.D. (Endocrinology) 2017-2019
55. Marie Angelica Landicho, M.D. (Endocrinology) 2017-2019
56. Shrina Parekh, M.D. (Endocrinology) 2018-2020
57. Poonam Kapadia, M.D. (Endocrinology) 2018-2020

Research Grants (Investigator initiated):

1. N.I.H. Individual Fellowship Award 1984; “Trans-cellular transport of thyroid hormone”
2. Veterans’ Administration RAG Award: 1985-1987; “Effect of age on the blood-brain barrier”; (Role: PI).
3. Burroughs Wellcome 1988-1991; “Preclinical trials of a novel class of gluconeogenesis inhibitors”; (Role: PI).
4. Veterans’ Administration Merit Award: 1985-1987; “Effect of age on the blood-brain barrier”; (Role: PI).
5. Veterans’ Administration Merit Award: 1987-1990; “Effect of age and diabetes on the blood-brain barrier”; (Role: PI).
6. Veterans’ Administration Merit Award: 1990-1993; “Effect of age and diabetes on the blood-brain barrier”; (Role: PI).
7. Veterans’ Administration Merit Award: 1993-1997; (Role: PI) “Effect of age and diabetes on the blood-brain barrier”; (Role: PI).
8. Pfizer Investigator Initiated Grant 1995-1997; “The effect of Glipizide GITS on islet cell hormonal responses”; (Role: PI).
9. Bayer Investigator Initiated Grant 1997-1998; “Role of acarbose in the elderly diabetic subjects“; (Role: PI).
10. Thyroid Research Advisory Council Award 1998-2000; “Characterization of thyroid hormone responsive proteins in the brain”; (Role: PI).
11. Takeda Investigator Initiated Grant 1999-2001; “Mechanisms of apo AI expression in HepG2 cells; (Role: PI).
12. NHLBI. , National Institute of Health, Grant # U01 HL61744-01; 3/1/2001-11/1/2009 “Bypass Angioplasty Revascularization Investigation in type 2 diabetes”; (Role: Site PI).
13. AstraZeneca Investigator Initiated Grant 2003-2004; “Diabetes-related alterations in endothelial barrier function: The role of Rho inactivation with rosuvastatin”; (Role: PI)
14. Merck Investigator Initiated Grant 2003-2004; “Amelioration of diabetes-related alterations in endothelial barrier function with simvastatin”; (Role: PI)

Research Grants (Investigator initiated) (Cont'd):

15. NIH- National Institute on Aging Small Business Innovation Research Grant 1 R43 AG028218-01; (SBIR) 2007-2009 “Formulated Phytosterols – A New Treatment for Benign Prostatic Hyperplasia,” Protocol No. ZNX 1.003-C (Role: CO-PI)
16. American Heart Association “Role of novel Na⁺/H⁺ antiporters in essential hypertension” 07/01/2010-06/30/2014; (Role: CO-PI); Xiang M (PI).
17. American Association of Diabetes Educators (AADE) “Integration of diabetes self management education into a patient centered medical home: demonstration project” 4/2011-4/2012; (Role CO-Investigator); Dr. Kenyata Lee (PI).
18. NIH RO1DK091710 “Mechanism of diet induced leptin resistance in ARC and VTA” 6/2012-5/2017; (Role Consultant); Dr. Philip Scarpace (PI).
19. NIH R33AG056540 “The University of Florida Jacksonville Aging Studies Center (JAX-ASCENT)” 9/15/2017-5/31/2022; (Role CO-Investigator 5% FTE); Dr. Marco Pahor (PI) \$3,696,891
20. NIH- National Institute on Aging/National Heart Lung and Blood Institute, NCT04262206 “PRagmatic EVAluation of evENTs And Benefits of Lipid-lowering in oldEr adults (PREVENTABLE)” 5/2020 -6/2025; (Role site PI).

Clinical Trials Funded by Pharmaceutical Industry (Role PI):

1. Clinical trials of Simvastatin® (Merck, Sharp and Dohme); 1989-1991.
2. The role of growth hormone in the management of frail elderly (Genentech, Inc.); 1990-1992.
3. The role of growth factors in healing diabetic foot ulcers (Merck, Sharp and Dohme); 1992-1994.
4. The efficacy of enalapril/diltiazem combination in the treatment of essential hypertension (Merck, Sharp and Dohme); 1992-1994.
5. The efficacy of enalapril/Felodipine combination in the treatment of essential hypertension (Merck, Sharp and Dohme); 1992-1994.
6. The role of insulin analogues in the management of non-insulin dependent diabetic patients (Eli Lilly Co.); 1993-1994.
7. The safety and efficacy of Miglitol in non-insulin dependent diabetic patients (Miles, Inc.); 1994-1996.
8. The safety and efficacy of Glipizide GITS in Type II diabetes mellitus (Pratt/Pfizer); 1995-1996.
9. The pharmacokinetic comparison of serum testosterone levels following Testoderm I application compared to intramuscular Testosterone cypionate (Alza, Inc.); 1995-1996.
10. The pharmacokinetics of serum testosterone following Testoderm II applications (Alza, Inc.); 1995-1996.
11. A comparative study of Testoderm II and Androderm (Alza, Inc.); 1995-1996.
12. The safety and efficacy of pimagedine in the treatment of diabetic nephropathy of insulin dependent diabetic subjects (Hoechst Marion Merrell Dow); 1995-1999.
13. The safety and efficacy of pimagedine in the treatment of diabetic nephropathy of non-insulin dependent diabetic subjects (Hoechst Marion Merrell Dow); 1995-1999.
14. The role of Sibutramine in obese hypertensive patients on ACE inhibitors (Knoll Pharmaceutical); 1996-1997.
15. The role of Sibutramine in obese hypertensive patients treated with calcium channel blockers (Knoll Pharmaceutical); 1996-1997.

Clinical Trials Funded by Pharmaceutical Industry (Role PI) (cont'd):

16. The role of Sibutramine in the management of obese patients with Type II diabetes (Knoll Pharmaceutical); 1996-1997.
17. The comparative efficacy and safety of Bay W6228 400 µg compared to 200 µg once daily in primary hypercholesterolemia. (Bayer Corporation); 1996-1998.
18. The role of Amylin in management of Type I diabetes. (Amylin Pharmaceuticals); 1996-1998.
19. Management of diabetes in the elderly: role of voglibose (Takeda, Inc.); 1997-1999.
20. The efficacy of metformin-glyburide combination therapy in Type II diabetes (Bristol Myers Squibb); 1997-1998.
21. The efficacy and safety of nerve growth factor (NGF) in treatment of diabetic peripheral neuropathy. (Genentech, Inc.); 1997-1998.
22. The efficacy and safety of sildenafil in the treatment of erectile failure in diabetes. (Pfizer, Inc.); 1997-1998.
23. Safety and efficacy of fixed combination metformin/glyburide products as first line therapy in patients with type 2 diabetes. (Bristol Myers Squibb); 1998 – 2000.
24. The safety and efficacy of a long acting insulin analogue in the management of type 2 diabetes. (Hoechst Marion Roussel); 1998-2000.
25. Comparison of an incremental weight-based dose regimen with an individualized dosage adjusted according to the IGF-1 response in adults with growth hormone deficiency (Eli Lilly Co.); 1998-2002.
26. Antiproteinuric effects of Omapatrilat and amlodipine in Type 2 diabetics with hypertension and microalbuminuria or overt nephropathy. Bristol Myers Squibb; 1998-1999.
27. Safety and efficacy of sibutramine 20 mg given in titrated doses to patient with obesity (Knoll Pharmaceutical) 1998-2000. (Bristol Myers Squibb) 1998-2000.
28. Pharmacokinetic studies of V2001: a novel hypoglycemic agent. (Purdue Pharmaceuticals); 1998-1999.
29. The efficacy of Avasimibe in patients with peripheral arterial disease. (Parke-Davis); 1999-2000.

Clinical Trials Funded by Pharmaceutical Industry (Role PI) (cont'd):

30. The role of Zenestatin in comparison to simvastatin and pravastatin in the treatment of hypercholesterolemia. (Zeneca Pharmaceuticals); 1999-2000.
31. Effects of chronic somatropin treatment on bone mineral density in patients diagnosed with adult onset growth hormone deficiency. (Eli Lilly); 1999-2001.
32. The efficacy of omapatrilat in hypertensive subjects poorly controlled on calcium channel blocker monotherapy. (Bristol Myers Squibb); 1999-2000.
33. The efficacy of omapatrilat in hypertensive subjects poorly controlled on ACE inhibitor monotherapy. (Bristol Myers Squibb); 1999-2000.
34. The efficacy of Orlistat plus diet as compared to Orlistat plus phentermine plus diet in severely obese patients. (Roche); 2000-2001.
35. The efficacy of cerivastatin in the treatment of osteoporosis in postmenopausal women (CHARMstudy). (SmithKline Beecham); 2000 - 2002.
36. The efficacy of omapatrilat in poorly controlled hypertensive subjects (OCTAVE) trial. (Bristol Myers Squibb); 2000-2001.
37. Safety and efficacy of fixed combination therapy of metformin/glipizide in Type 2 diabetic subjects. (Bristol Myers Squibb), 2000-2001.
38. Efficacy, safety and tolerability of metformin ER and metformin immediate release in Type 2 diabetes mellitus. (Depo Med Inc.), 2001-2002.
39. Randomized, double blind multicenter study comparing glycemic control characteristics of carvedilol and metoprolol in hypertensive patients with Type 2 diabetes mellitus. (Glaxo Smith Kline Beechem), 2001-2002.
40. Multicenter trial of raloxiphen and alendronate comparison in post menopausal women with osteoporosis. (Eli Lilly Co.) 2001-2005.
41. Phase II randomized, double blind, placebo controlled dose ranging study to determine the efficacy, tolerability and pharmacokinetics of RO 205-2349 in patients with type 2 diabetes. (Roche Pharmaceuticals) 2002-2003.
42. Multicenter, randomized, double-blind study to evaluate the tolerability and efficacy of the co-administration of simvastatin and fenofibrate in patients with combined hyperlipidemia. Merck & Co. 2002.

Clinical Trials Funded by Pharmaceutical Industry (Role PI) (cont'd):

43. Multicenter, randomized, double-blind study to evaluate the tolerability and efficacy of metformin/glipizide combination pill in subjects with type 2 diabetes. PPD Inc. 2002-2003.
44. A multicenter, double blind study to evaluate the effect of pre-treatment with a daily dose of viagra (sildenafil citrate) on the PRN efficacy of viagra in men with erectile dysfunction and type 2 diabetes, Pfizer Co. 2003-2004.
45. Clopidogrel for high atherothrombotic risk and ischemic stabilization, management and avoidance (CHARISMA). Sanofi Pharmaceuticals; 2003-2007.
46. A phase 3, randomized, double-blind, placebo controlled, multicenter trial to evaluate the safety and efficacy of BMS-298585 in combination with glyburide therapy in subjects with type 2 diabetes who have inadequate glycemic control on sulfonylurea therapy alone. Bristol-Myers Squibb, 2003- 2004.
47. A phase 3, randomized, double-blind, placebo controlled, multicenter trial to evaluate the safety and efficacy of BMS-298585 in combination with metformin therapy in subjects with type 2 diabetes who have inadequate glycemic control on metformin therapy alone. Bristol-Myers Squibb, 2003-2004.
48. An-open label study to evaluate the efficacy and safety of tadalafil administered “on demand” to men of various populations with erectile dysfunction. Lilly/ICOS. 2003-2004.
49. A multicenter, double-blind, randomized, parallel-group study to compare the effect of 24 weeks treatment and 28 week extension with LAF237 (50mg qd or bid) to placebo as add-on therapy to glimepiride in patients with type 2 diabetes inadequately controlled with sulfonylurea monotherapy. Novartis. 2004-2005.
50. A multicenter, double-blind, randomized, parallel-group study to compare the effect of 24 weeks treatment and 28 week extension with LAF237 (50mg qd or bid) to placebo as add-on therapy to pioglitazone 45 mg qd in patients with type 2 diabetes inadequately controlled with thiazolidinedione monotherapy. Novartis, 2004-2005.
51. A multicenter, double-blind, randomized, parallel-group study to compare the effect of 24 weeks treatment and 28 week extension with LAF237 (50mg qd or bid) to placebo as add-on therapy in patients with type 2 diabetes inadequately controlled with metformin monotherapy. Novartis, 2004-2005.
52. A double blind placebo controlled study of the effect of formulated soy sterols on circulating levels of testosterone and dihydrotestosterone. Life Technologies, 2004-2005.

Clinical Trials Funded by Pharmaceutical Industry (Role PI) (cont'd):

53. The safety and efficacy of a combination of niacin ER and simvastatin in patients with dyslipidemia: a dose-ranging study. Kos Pharmaceuticals 2005-2006.
54. Apidra (insulin glulisine) administered premeal vs postmeal in adult subjects with type 2 diabetes mellitus receiving Lantus (insulin glargine) as basal insulin: a multicenter, randomized, parallel, open label clinical study. Aventis, 2005-2006.
55. A 24-week randomized, double-blind, multicenter, placebo-controlled study to evaluate the efficacy, safety and tolerability of tesaglitazar therapy when added to the therapy of patients with type 2 diabetes poorly controlled on insulin.(GALANT 9) , Astra Zeneca 2005-2006.
56. Double blind, placebo controlled, multicenter, pharmacokinetic, pharmacodynamics and tolerability study of ETC-588 in patients with stable atherosclerosis. Pfizer 2005-2006.
57. A multicenter, randomized, double-blind, prospective study comparing the safety and efficacy of fenofibric acid and rosuvastatin calcium combination therapy to fenofibric acid and rosuvastatin calcium monotherapy in subjects with mixed dyslipidemia. Abbott 2006-2007.
58. A multicenter, randomized, double-blind, prospective study comparing the safety and efficacy of fenofibric acid and simvastatin combination therapy to fenofibric acid and simvastatin monotherapy in subjects with mixed dyslipidemia. Abbott 2006-2007.
59. PRagmatic EValuation of evENTs And Benefits of Lipid-lowering in oldEr adults (PREVENTABLE)” NIH- National Institute on Aging/National Heart Lung and Blood Institute, NCT04262206. 5/2020 -6/2025; (Role site PI).

Visiting Professorships:

1. University of California in Los Angeles, Department of Internal Medicine. 1990.
2. Washington University, Department of Neurobiology, 1992
3. University of Wisconsin, Division of Endocrinology, 1994.
4. Cleveland Clinic Foundation, Division of Endocrinology, 1995.
5. University of Missouri, Kansas City, MO, School of Pharmacy, 1995.
6. Southern Illinois University Carbondale, IL, Department of Physiology, 1996.
7. University of Calgary, Calgary, Canada, Division of Endocrinology, 1997.
8. Brown University, Providence RI, Division of Endocrinology, 1997.
9. University of Arkansas, Little Rock, AK, Division of Endocrinology, 1998.
10. University of Arizona, Tucson, AZ. Division of Endocrinology, 1998.
11. University of Missouri, Columbia, MO, Division of Endocrinology, 1998.
12. Bombay University, Endocrinology and Diabetes Group, Bombay, India.
13. Tufts University, New England Medical Center, Boston, MA, 1998.
14. State University of New York at Stony Brook, Nassau County Medical Center, Department of Medicine, New York, NY, 1999.
15. University of Wisconsin, Division of Endocrinology, Madison, WI, 1999.
16. University of Southern Alabama, Division of Endocrinology, Mobile, AL, 2000.
17. University of Kansas School of Medicine, Wichita, KS. 2001.
18. Peking Union Medical College Hospital of the Chinese Academy of Medical Sciences, Beijing, China. 2001.
19. Harbin Medical University, Harbin, China, 2001.
20. Sun Yat-sen University of Medical Sciences, Guangzhou, China, 2001.

Visiting Professorships (Cont'd):

21. Case Western Reserve University, Department of Internal Medicine/ Division of Endocrinology, Cleveland, Ohio, 2001.
22. Texas A & M University, Department of Internal Medicine, College Station/ Temple, Texas, 2001.
23. Texas Tech University, Department of Research and Development, El Paso, Texas 2002.
24. University of Wisconsin, Division of Endocrinology, Madison, Wisconsin, 2002.
25. Rush-Presbyterian-Saint Lukes Medical Center, Department of Internal Medicine, Chicago, IL, 2003.
26. Cleveland Clinic Foundation, Department of Endocrinology, Cleveland, OH. 2006.
27. University of Wisconsin, Division of Endocrinology, Madison, Wisconsin, 2006.
28. Saint Louis University, Department of Medicine, Saint Louis, MO., 2007.
29. Loyola University, Department of Medicine/Cardiology, Chicago, IL. 2011.
30. University of California in Davis, Department of Medicine, Sacramento, CA. 2011.
31. Robert Wood Johnson Medical School, Department of Medicine, New Brunswick, NJ. 2011
32. Kagawa University Medical School, Kagawa, Japan; March 2018

Invited Presentations at National/International Symposia:

1. The role of micronutrients in aging. GRECC Nutrition Conference; Sepulveda, CA 1986.
2. Nutritional management of the elderly diabetic. American College of Physicians Intensive Course in Geriatric Medicine, Santa Monica, CA, 1987.
3. Aging blood brain barrier. Gerontologic Society of America Research Symposium, Washington, DC, 1987.
4. Theories of Aging. American College of Physicians Intensive Course in Geriatric Medicine, Beverly Hills, CA, 1988.
5. Sexual dysfunction in the Elderly. University of Arizona Postgraduate Course in Geriatrics. Tucson, AZ, 1988.
6. Management of Sexual dysfunction. American Geriatric Society Symposium on Sexuality, Chicago, IL, 1989.
7. Micronutrient in Diabetes. Arizona Geriatrics Society Meeting, Phoenix, AZ, 1989.
8. Endocrine changes of aging. University of Arizona Postgraduate Course in Geriatrics, Tucson, AZ, 1990.
9. Biology of Aging. University of Arizona Postgraduate Course in Geriatrics, Tucson, AZ, 1990.
10. Sexual dysfunction. University of Arizona Postgraduate Course in Internal Medicine, Tucson, AZ, 1990.
11. Thyroid disease in the elderly. Arizona Geriatrics Society meeting, Phoenix, AZ, 1991.
12. Diabetes-related changes in blood-brain barrier. Juvenile Diabetes Foundation Symposium, Washington, DC, 1991.
13. Diabetes in the Elderly. Annual Update of Diabetes, St. Louis, MO, 1991.
14. CNS effects of diabetes. NIH Symposium on Neurobiology, Bethesda, MD, 1992.
15. Insulin resistance. V.A. National Training Program, Symposium on Diabetes. St. Louis, MO, 1992.
16. Management of Dyslipidemia. V.A. National Training Program, Symposium on Diabetes. St. Louis, MO, 1993.

Invited Presentations at National/International Symposia (cont'd):

17. Theories of Aging. GRECC annual meeting, St. Louis, MO, 1993.
18. Micronutrient in Diabetes. Nutrition Symposium, Annual Meetings of the American Diabetes Association, Las Vegas, NV, 1993.
19. Diabetes and heart Disease. GRECC Annual Meeting, St. Louis, MO, 1995.
20. Diabetes in the Elderly. American Association of Osteopathic Instructors, Ft. Lauderdale, FL, 1995.
21. Thyroid hormone and aging. GRECC Annual Meeting, St. Louis, MO, 1996.
22. Micronutrients in Diabetes. American Diabetes Association Postgraduate Course. New York, NY, 1996.
23. Age-related changes in blood brain barrier. International Symposium of Neurobiology and Neuroendocrinology, Bregenz, Austria, 1996.
24. Diabetes in the Elderly. University of Rochester, Symposium on Diabetes, Rochester, NY, 1996.
25. Micronutrients in Diabetes. American Diabetes Association Postgraduate Course. Kingston, Jamaica, 1997.
26. Diabetes in the older adult. American Diabetes Association Postgraduate Course. New Orleans, LA, 1997.
27. Diabetes in the Elderly. American Association of Clinical Endocrinologists. Keystone, CO, 1997.
28. Nutritional Therapy of Diabetes. Case Western University Symposium on Clinical Advances in Geriatric Nutrition. Cleveland, OH, 1997.
29. Diabetes in older Adults. American Geriatrics Society Bayer Symposium on Diabetes. Atlanta, GA, 1997.
30. Drug Therapy of Diabetes. Annual meeting of Consultants for Long Term Care. Scottsdale, AZ, 1997.
31. The role of antioxidants in diabetes. Nutrition Symposium in Annual meetings of the American Diabetes Association, Boston, MA, 1997.

Invited Presentations at National/International Symposia (cont'd):

32. Diabetes in Older Adults. The Endocrine Society/NIA Symposium on Endocrinology and Aging. Minneapolis, MN, 1997.
33. Diabetes in Older Adults. Annual Meeting of the National Association of Directors of Nursing Homes, Austin, TX, 1997.
34. Pharmacokinetic Profile of Statins. St. Louis College of Pharmacy Symposium on Cholesterol, St. Louis, MO, 1997.
35. Glucotoxicity. Annual GRECC Meeting, St. Louis, MO, 1997.
36. Diabetes in Older Adults. St. Louis University Annual Symposium on Diabetes, St. Louis, MO, 1997.
37. Diabetes in Older Adults. American Dietetics Association Annual Meeting, Boston, MA, 1997.
38. Diabetes in the Elderly. State University of New York, Buffalo, NY, Symposium on Diabetes, Buffalo, NY, 1997.
39. Diabetes in Older Adult, Providence Endocrine Society Meeting, Providence, RI, 1997.
40. Drug Therapy of Type 2 Diabetes. Annual Meetings of Missouri Chapter of American College of Physician, Osage Beach, MO, 1997.
41. Diabetes in Older Adult, University of Arkansas Annual Symposium on Diabetes Little Rock, AK, 1998.
42. Diabetes in Older Adult. Southern Illinois University Annual Symposium on Diabetes, Springfield, IL, 1998.
43. Drug Therapy of Older Diabetic. NIH/American Diabetes Association Symposium on Type 2 diabetes in the elderly, Phoenix, AZ, 1998.
44. Drug Therapy of Diabetes in Older Adult. National Symposium on Diabetes in Elderly, Cancun, Mexico, 1998.
45. Thiazolidinediones: role in management of diabetes Washington University Symposium on Excellence in Diabetes care. St. Louis, MO, 1998.
46. Diabetes in older adult. Annual Meetings of the Association of Consultant Pharmacists. Orlando, FL, 1998.

Invited Presentations at National/International Symposia (cont'd):

47. Management of type 2 diabetes. Missouri Department of Health seminar. A look at diabetes care and coverage in Missouri. St. Louis, MO, 1999.
48. Sexual dysfunction in diabetes. The Annual meetings of the American Urological Association, Dallas, TX, 1999.
49. Hypothyroidism: a new look at an old problem. Wisconsin Endocrine Society, Madison, WI, 1999.
50. The treatment of postprandial hyperglycemia. University of Oklahoma Symposium: Diabetes in the New Millennium, Afton, OK, 1999.
51. New drug therapies for type 2 diabetes. University of Kansas Symposium; Demystifying drug therapy: New treatments for common problems, Wichita, KS, 1999.
52. New drug therapies for hyperlipidemia. University of Kansas Symposium; Demystifying drug therapy: New treatments for common problems. Wichita, KS, 1999.
53. Diabetes in older adults. American Diabetes Association Symposium, Springfield, IL, 2000.
54. Micronutrients in diabetes mellitus. The American Diabetes Association Annual meetings. Nutrition symposium, San Antonio, TX, 2000.
55. Obesity: A rational target for managing Type 2 diabetes. 30th International Symposium on Growth Hormone, Monte Carlo, Monaco, 2000.
56. The role of Thiazolidinediones in the treatment of diabetes. Annual meetings of Mississippi Academy of Family Medicine, Natchez, MI. 20001
57. Increased oxidative load in diabetes. American Diabetes Association Annual Meetings. Symposium on Diabetes and Antioxidants, Philadelphia, PA 2001.
58. Drug therapy of type 2 diabetes. Annual Meetings of Southern Illinois Medical Association, Bellville IL 2002.
59. Erectile dysfunction in aging men. Rocky mountain androgen conference, Banff, Alberta, Canada 2002.
60. Cardiovascular Disease in Diabetes. Annual Meeting of American Association of Osteopathic Family Physicians, Kansas City, MO. 2003.

Invited Presentations at National/International Symposia (cont'd):

61. New insulin therapies. Western Hormone Alliance Meetings. Kananaskis, Alberta, Canada, 2003.
62. The rationale for combination therapy in diabetes. Post Graduate Course of Mexican Diabetes Society, Mexico City, Mexico. 2003.
63. Diabetes in long term care. Annual Symposium of the California Association of Long Term Care Physicians, Los Angeles, CA 2004.
64. Towards a single tablet therapy of type 2 diabetes. Annual Meetings of Mexican Society of Internal Medicine, Veracruz, Mexico, 2004.
65. Nutritional therapy of diabetes. Annual Meetings of Mexican Society of Internal Medicine, Veracruz, Mexico, 2004.
66. Nutritional therapy of diabetes. Middle East Medical Assembly, Beirut, Lebanon, 2005.
67. Novel therapies for type 2 diabetes. Middle East Medical Assembly, Beirut, Lebanon, 2005.
68. New insulin therapies. Armenian Medical World Congress; San Francisco, CA. 2005
69. Antioxidants and diabetes. Nestle Nutrition Workshop, Hangzhou, China 2005.
70. The role of dietary and supplemental antioxidants in diabetes, The American Diabetes Association Annual Meetings, Washington, DC, 2006.
71. Diabetes in Klinefelter's syndrome; Causes and management. Seventh National conference of the American Association for Klinefelter syndrome; Saint Louis, MO 2006.
72. Obesity in the Elderly. First International Obesity Congress, Cleveland, OH, 2006.
73. ADA 2006 nutrition guidelines for people with diabetes. 17th Annual advances and controversies in clinical nutrition, Mayo College of Medicine; Savannah, GA, 2007.
74. Evidence based recommendation guidelines for the prevention and treatment of diabetes. International Armenian Medical Society meetings, Yerevan, Armenia June 2007.
75. Drug therapy of diabetes. International Armenian Medical Society meetings, Yerevan, Armenia, June 2007.
76. Obesity in the elderly. 8th Annual Conference in obesity, University of Southern Florida, Clearwater FL, 2007.

Invited Presentations at National/International Symposia (cont'd):

77. Dietary guidelines for diabetes. 8th Annual Conference in obesity, University of Southern Florida, Clearwater FL, 2007.
78. ADA nutrition guidelines for people with diabetes. 10th symposium of Diabetes and Endocrinology, Saint Louis University, Saint Louis, MO. 2008
79. Obesity in the elderly. 9th Annual Conference in obesity, University of Southern Florida, Orlando, FL, 2008.
80. Dietary guidelines for diabetes. 9th Annual Conference in obesity, University of Southern Florida, Orlando, FL, 2008.
81. Obesity in the elderly. 10th Annual Conference in obesity, University of Southern Florida, Orlando, FL, 2009.
82. Dietary guidelines for diabetes. 10th Annual Conference in obesity, University of Southern Florida, Orlando, FL, 2009.
83. Clinical Pharmacology of diuretics. American Thoracic Society meeting, New Orleans, LA. May, 2010.
84. Diabetes in the Elderly. Endocrine Society meetings, San Diego CA, June 2010.
85. A tale of two diets: Low carb vs. Low fat. 11th Annual Conference in Obesity, University of Southern Florida, Orlando, FL, 2010.
86. Therapeutic targeting of HDL through enhanced production of apolipoprotein AI production. National Academy of Sciences, Republic of Armenia, Yerevan, Armenia, April 2011.
87. Insulin therapy in type 2 diabetes: When and How? International University of Ecuador, Quito, Ecuador, April, 2015
88. Insulin therapy in hospitalized patient. International University of Ecuador, Quito, Ecuador, April 2015.
89. Dyslipidemia in Diabetes: 27th Multidisciplinary Course of Diabetes in Mexico City; Oct. 2017.
90. Dyslipidemias. Special presentaion for the National Academy of Sciences, Mexico City; Oct. 2017.
91. Effect of naturally occurring rare sugars on cellular stress: Japan Physiologic Society; March 2018.

Presentations at Scientific Meetings (Abstracts):

1. Cortas N, Mooradian A, Abras E, Walser M. The response to aldosterone of toad and turtle bladder is associated with changes in adenine nucleotide levels. *Kidney Int.* 21:270, 1982.
2. Frayha RA, Mooradian A, Abdelnoor A, Shamma'a M, Tamar H. Familial clustering of hepatitis B and multiple vasculopathies. *Arthritis Rheum.* 25 (suppl.) E2, 1982.
3. Suidan JS, Arngoat M, Zaydan R, Mooradian A, Cortas N. Relative estrogen excess in pregnancy-induced hypertension. *Clinical and Experimental Hypertension B1:* 250, 1982.
4. Mooradian AD, Beyer HS, Ma KW, Kaiser F, Levine AS, Korchick W, Brown DM, Morley JE. The effect of aging, chronic renal failure and diabetes mellitus on human red and white cell calmodulin levels. *Endocrinology* 112:839A, 1983.
5. Shafer RB, Mooradian AD, Morley JE, Ma KW, Korchik W. Thyroid function in hemodialysis patients. *J. Nucl. Med.* 24:65, 1983.
6. Mooradian AD, Billington CJ, Nuttall FQ. Effect of co-ingestion of protein and glucose on the plasma glucose and insulin response to a glucose load. *J. Am. College of Nutr.* 2:102A, 1983.
7. Morley GK, Mooradian AD, Levine AS, Morley JE. Glucose infusion produces hyperalgesia in humans. *Clin. Res.* 31(2):392A, 1983.
8. Billington CJ, Mooradian AD, Duffy L, Lange P, Morley JE. Testosterone therapy in impotent patients with normal testosterone. *Clin Res.* 31(4):713A, 1983.
9. Mooradian AD, Schwartz HL, Oppenheimer JH. Free intranuclear and cytosolic T₃: Evidence for reduction in active transport of T₃ in the isolated hepatocyte as compared to in situ cells. Program of 60th Annual Meeting of American Thyroid Association, 1984.
10. Freake HC, Mooradian AD, Schwartz HL, Oppenheimer JH. Stereospecific transport of T₃ to cytoplasm and nucleus in GH cells. Program of the Annual Meeting of the Endocrine Society, 1985.
11. Mooradian AD, Mariash CN. Effect of insulin on gene expression in isolated hepatocyte cultures. Program of the Annual Meeting of the Endocrine Society, 1986.
12. Mooradian AD. Blood-brain barrier (BBB) choline transport in aged rats. 16th Annual Neuroscience Meeting, 409.10, 1986.
13. Hartnell JM, Mooradian AD, Morley JE. DNA strand breaks in white blood cells of young, aged, and aged diabetic subjects. *Clin. Res.* 35(1):97A, 1987.

Presentations at Scientific Meetings (Abstracts) (cont'd):

14. Osterweil D, Mooradian AD, Petrasek D, Morley JE. Diabetes mellitus in ambulatory elderly and nursing home patients: A survey of clinical characteristics and management. Clin. Res. 35(1):98A, 1987.
15. Korenman SG, Stanik-Davis S, Mooradian AD, Viosca S, Garza D. Evidence for a high prevalence of hypogonadotropic hypogonadism in sexually dysfunctional older men. Clin. Res. 35(1):182A, 1987.
16. Mooradian AD, Song MK. Using chamber studies of intestinal zinc transport rate in the aged rat. Clin. Res. 34(1):98A, 1987.
17. Mintz GA, Mooradian AD. Age-related morphologic changes in rat sublingual salivary glands. Fed. Proc. 46(3):1091, 1987.
18. Song MK, Mooradian AD. Effects of streptozotocin-induced diabetes, insulin and arachidonic acid on the intestinal zinc flux rate of rats. Fed. Proc. 46(3):599, 1987.
19. Flood JM, Morley JE, Mooradian AD. Learning and memory impairment in diabetic mice. Fed. Proc 46(3):1279, 1987.
20. Hartnell JM, Husain K, Mooradian AD, Morley JE. DNA strand breaks in white blood cells of young, aged and aged diabetic subjects. Clin. Res. 35:505A, 1987.
21. Mooradian, AD. Blood-brain barrier choline transport is reduced in diabetic rats. Clin. Res. 35:512A, 1987.
22. Mooradian, AD. The effect of ascorbate and dehydroascorbate on tissue uptake of glucose. Clin. Res. 35:512A, 1987.
23. Kaiser FE, Viosca SP, Morley JE, Mooradian AD, Davis SS, Korenman SG. Clinical and hormonal correlates of impotence in men over the age of 40. Clin. Res. 36(1):123A, 1988.
24. Korenman SG, Mooradian AD, Kaiser FE, Morley JE, Davis SS, Viosca SO. Treatment of vasculogenic sexual dysfunction with pentoxifylline. Clin. Res. 36(1):123A, 1988.
25. Mooradian AD, Norman DC, Morley JE. The effect of zinc status on the immune function of diabetic rats. Clin. Res. (36):157A, 1988.
26. Kaiser FE, Viosca SP, Mooradian AD, Morley JE, Korenman SG. Impotence and aging: alterations in hormonal secretory patterns with age. Clin. Res. 21.

Presentations at Scientific Meetings (Abstracts) (cont'd):

27. Mooradian, A.D. Blood-brain barrier choline transport is reduced in diabetic rats. Clin. Res. 35:512A, 36(1):96A, 1988.
28. Deebaj L, Song MK, Mooradian AD. The effect of dietary zinc content on micronutrient status of control and diabetic rats. Clin. Res. 36(1):166A, 1988.
29. Mooradian AD, Lieberman J. The serum angiotensin-converting enzyme (ACE) activity is decreased in the aged rat. The role of thyroidal status and food intake. Clin. Res. 36(1):96A, 1988.
30. Hartnell JH, Mooradian AD. Alkali-induced DNA unwinding is reduced in the liver and brain of aged rats. Clin. Res. 36(1):96A, 1988.
31. Mooradian AD, Song MK. Age-related alterations in intestinal calcium transport rate in rats. Clin. Res. 36(1):97A, 1988.
32. Deebaj L, Song MK, Mooradian AD. Levels and distribution of zinc, copper, magnesium, and calcium in control and diabetic rats fed different levels of dietary zinc. J. FASEB 2:A635, 1988.
33. Kaiser FE, Viosca SP, Mooradian AD, Morley JE, Korenman SG. Impotency and aging: Alterations in hormonal secretory patterns with age. Program of the Annual Meeting of the Endocrine Society, p. 215, 1988.
34. Mooradian AD. Effect of aging on stereospecific transport of 3-5-3' triiodothyronine (T₃) to cytoplasm and nucleus in rat liver. Program of the Annual Meeting of the Endocrine Society, p 217, 1988.
35. Hartnell JM, Storrie MC, Mooradian AD. Alkali-induced DNA unwinding is reduced in liver and brain of aged rats. Program of the Annual Meeting of the Gerontological Society of America, 1988.
36. Hartnell JM, Storrie MD, Mooradian AD. Alkali-induced DNA unwinding is reduced in diabetic rats and mice. Clin. Res. 37(1), 1989.
37. Deebaj L, Song MK, Mooradian AD. The effect of dietary zinc content on the levels and distribution of copper and zinc in control and diabetic rats. American Chemical Society Symposium Copper Bioavailability and Metabolism. Dallas, Texas, 1989.
38. Clements N, Bluestein M, Reed R, Mooradian AD. Bacterial pneumonia in hospitalized young, old, and old-old patients: Comparison of presentation on admission. The Annual Meeting of the American Geriatrics Society, Boston, MA, 1989.

Presentations at Scientific Meetings (Abstracts) (cont'd):

39. Mooradian AD, Deebaj L, Wegerhoff J, Wong NCW. Age-related alterations in the response of hepatic lipogenic enzymes to altered thyroid states. The Program of the Annual Meeting of the Endocrine Society, Seattle, WA, 1989.
40. Kershner Riggs G, Greiff V, Mooradian A, Meredith K, Reed R, Yochum K, Martinez C. Medical and psychosocial determinants of sexuality in elderly women. Program of the Annual Meeting of the Gerontological Society of America, 1989, p 48A.
41. Hartnell J, Mooradian AD. Alkali-induced DNA unwinding rate: A potential biomarker of aging. Program of the Annual Meeting of the Gerontological Society of America, 1989. Session #86.
42. Reed RL, Mooradian AD, Osterweil D, Clements N, Scuderi P. Lack of an association between the presence of tumor necrosis factor or interleukin-1 alpha in the blood and weight loss among elderly patients. Clin. Res. 38:82A, 1990.
43. Mooradian AD. The blood-brain barrier transport of glucose and butyrate is reduced in aged rats. Clin. Res. 38:81A, 1990.
44. Osterweil D, Mooradian AD, Mazonza L, Marshall CE. The effect of body weight loss on blood glucose levels in institutionalized diabetic patients. Program of the Annual Meeting of the American Geriatrics Society, 1990.
45. Habib M, Dickerson F, Mooradian AD. Increased in vivo ethane production in diabetes. Program of the Annual Meeting of the American Thoracic Society, 1990, Am. Rev. Resp. Dis. 141:A544, 1990.
46. Mooradian AD, Dickerson F, Habib M. The effect of age and food restriction on thyroid hormone-induced lipid peroxidation. Program of the Annual Meeting of the Endocrine Society. Atlanta, GA, 1990.
47. Romney JS, Solyol MA, Deschamps BJ, Wanke IE, Carr FE, Mooradian AD, Wong NCW. L-triiodothyronine (T₃) regulates S11/Apolipoprotein A₁ (APO A₁) gene expression in rat liver and small intestine. Program of the Annual Meeting of the Endocrine Society, Atlanta, GA, 817 A, 1990.
48. Evans SE, Lee I, Yee D, Nixon B, Mooradian AD. The prevalence and nature of podiatric problems in elderly diabetic patients. Program of the Annual Meeting of the Gerontological Society of America, Boston, 1990.
49. Scuderi P, Reed R, Mooradian AD. In vitro interleukin-1 beta production is reduced in healthy elderly subjects. Program of the Annual Meeting of the Gerontological Society of America, Boston, 1990.

Presentations at Scientific Meetings (Abstracts) (cont'd):

50. Reed RL, Perlmutter L, Yochum K, Meredith KE, Mooradian AD. The relationship between muscle mass and muscle strength in the elderly. Program of the Annual Meeting of the Gerontological Society of America, Boston, 1990.
51. Mooradian AD, Scarpace PJ. Adrenergic beta receptor activity of cerebral microvasculature is reduced in aged rats. Program of the Annual Meeting of the Gerontological Society of America, Boston, 1990.
52. Mooradian AD. Biomarkers of Aging. Program of the 26th Annual Meeting of the Society of Prospective Medicine, Mesa, 1990.
53. Reed RL, Osterweil D, Scuderi P, Mooradian AD. Elevated serum levels of tumor necrosis factor alpha predicts early mortality in elderly institutionalized patients. Clin. Res. 39:87A, 1991.
54. Mooradian AD. Age-related changes in protein profile of rat cerebral microvessels. Computer analysis of two-dimensional (2D) electrophoresis. Clin. Res. 39:87A, 1991.
55. Ruttinger AC, Reed R, DenHartog R, Perlmutter L, Yochum K, Mooradian AD. A comparison of hand held isometric strength measurement with isokinetic muscle strength measurement in the elderly. Program of the 48th Annual Meeting of the American Geriatrics Society. Chicago, 1991 p. 43.
56. Reed R, Yochum K, Perlmutter L, Mooradian AD. The level of physical exercise in healthy elderly population is not a predictor of body adiposity. Program of the 48th Annual Meeting of the American Geriatrics Society. Chicago, 1991, p. 76.
57. Friedman D, Mooradian AD. The prevalence of overmedication with levothyroxine in ambulatory elderly patients. Program of the 48th Annual Meeting of the American Geriatrics Society. Chicago, 1991, p. 44.
58. Scuderi P, Reed R, Duerr M, Mooradian AD. The effect of age and diabetes mellitus on serum levels of lymphotoxin tumor necrosis factor beta (TNF β). Program of the Annual Meeting of the Gerontological Society of America. San Francisco, 1991; p 79.
59. Escobar G, Mooradian AD. Age-related differences in dietary regulation of lipogenic enzymes in rat liver and adipose tissue. Program of the Annual Meeting of the Gerontological Society of America. San Francisco, 1991, p 76.
60. Reed R, Kligman E, Yochum K, Perlmutter L, Meredith K, Mooradian AD. Predictors of the serum lipid profile in a healthy elderly population. Program of the Annual Meeting of the Gerontological Society of America. San Francisco, 1991, p 360.

Presentations at Scientific Meetings (Abstracts) (cont'd):

61. Mooradian AD, Smith TL. The effect of age on lipid composition and order of rat cerebral microvessels. Program of the Annual Meeting of the Gerontological Society of America. San Francisco, 1991, P 279.
62. Mooradian AD, McCuskey RS. In vivo microscopic studies of age-related changes in the structure and the reactivity of cerebral microvessels. Clin Res. 40: 17A, 1992.
63. Mooradian AD, Scarpace PJ. Beta-adrenergic receptor activity of cerebral microvessels. Clin Res. 40:108A, 1992.
64. Mooradian AD, Scarpace PJ. Beta-adrenergic receptor activity of cerebral microvessels in experimental diabetes mellitus. 74th Annual Meeting of the Endocrine Society, 1992, p 92.
65. Mooradian AD, Grabau G, Uko-eninn A. In Situ quantitation of the age-related and diabetes-related changes in cerebral endothelial barrier antigen. Clin Res 41:9A, 1993.
66. Mooradian AD, Pinna JL, Lung CC, Yahya MD, Meredith K. Diabetes-related changes in the protein composition of rat cerebral microvessels. Clin Res 41:69A, 1993.
67. Meijer ME, Mooradian AD, Wong NCW. Aging alters the activity of specific transcription factors that regulate the thyroid hormone responsive S₁₄ gene. Clin Res 41:83A, 1993.
68. Reed R, Kligman E, Abyad A, Yochum K, Mooradian A. Predictors of the lipid profile in a healthy elderly population. Clin Res 41:103A, 1993.
69. Giddings SS, Carnaghi LR, Mooradian AD. Effects of aging on gene expression in islet cells. 75th Annual Meeting of the Endocrine Society 1993, p. 368.
70. Wehmeier KR, Mooradian AD. Antioxidative potential of glucose and other simple carbohydrates. 75th Annual Meeting of the Endocrine Society 1993, P 424.
71. Friedman D, Reed R, Verdari R, Mooradian AD. Growth hormone therapy in the elderly. Annual Meeting of Am Geriatric Society 1993.
72. Fox-Robichaud A, Mooradian AD, Wong NCW. Senescence alters the activity of specific transcription factors that regulate the thyroid hormone responsive S₁₄ gene. Canadian Society of Clinical Investigation 1993.
73. Mooradian AD, Bastani B. The blood brain barrier proton translocating ATPases in diabetic and aged rats. Clin Res 42:13A, 1994.

Presentations at Scientific Meetings (Abstracts) (cont'd):

74. Shah G, Byers P, Mahmoud S, Wong NC, Mooradian AD. Age-related changes in thyroid hormone induced hepatic Apo A₁ mRNA expression. 76th Annual Meeting of the Endocrine Society, 1994, P538.
75. Shah G, Mooradian AD. Age-related shortening of poly (A) tail of albumin mRNA. J. Invest. Med. 43:156A. 1995.
76. Shah G, Byers P, Mooradian AD. Identification of thyroid hormone responsive genes in adult rat cerebral tissue. 77th Annual Meeting of the Endocrine Society 1995. P2-447.
77. Shah GN, Mooradian AD. Differential display of thyroid hormone responsive mRNA in adult rat cerebral tissue. J. Invest. Med. 44:104A, 1996.
78. Shah, GN, Giddings SJ, Mooradian AD. Shortening of poly (A) tail of GLUT-1 mRNA in experimental diabetes mellitus. 10th International Congress of Endocrinology, 1996 P2-68.
79. Shah GN, Mooradian AD. Cloning of the cDNA and characterization of a thyroid hormone responsive protein in adult rat cerebrum. J. Invest Med. 1997.
80. Mooradian AD, Shah GN. Age-related changes in GLUT-1 mRNA structure and function. J. Invest. Med. 1997.
81. Mooradian AD, Neumann C. PRECOSE resolution of optimal titration to enhance current therapies (PROTECT) study: Experience in the elderly. Annual Meeting of the American Geriatrics Society, Atlanta, GA, 1997.
82. Shah GN, Li J-P, Schneiderjohn P, Mooradian AD. Characterization of a thyroid hormone responsive protein in adult rat cerebrum. Annual Meeting of the Endocrine Society, Minneapolis, MN, 1997.
83. Shah GN, Mooradian AD. Cerebral tissue responsiveness to thyroid hormones in aging rats. J. Invest Med. 1998.
84. Shah GN, Mooradian AD. Cerebral tissue responsiveness to thyroid hormones in aging rats. Annual Meeting of the Endocrine Society, New Orleans, LA, 1998.
85. Freedman BI, Weurth JP, Cartwright K, Bain RP, Dippe S, Hershon K, Mooradian AD, Spinowitz BS. Design end baseline characteristics for the aminoguanidine clinical trial in overt type II diabetic nephropathy. (ACTION II). Annual Meeting of the American Diabetes Association, Chicago, IL, 1998.

Presentations at Scientific Meetings (Abstracts) (cont'd):

86. Fujioka K, Weinstein SP, Rowe E, Mooradian AD. Sibutramine enhances weight loss and maintenance in obese hypertensive patients taking calcium channel blocker. European Congress on Obesity, Milan, Italy, 1999.
87. Chehade J, Kim J, Pinnas J, Mooradian AD. Malondialdehyde modification of rat cerebral proteins is reduced in experimental hypothyroidism. Annual Meetings of the Western Society of Clinical Investigation, Carmel, CA, 1999.
88. Thampy KJ, Haas MJ, Mooradian AD. Troglitazone activates acetyl-coenzyme A carboxylase at a post-translational level. The Annual Meeting of the Endocrine Society, San Diego, CA, 1999. p.464.
89. Thampy KJ, Haas MJ, Li J-P, Mooradian AD. Age-related changes in mRNA expression and activity of acetyl-coenzyme A carboxylase. The Annual Meeting of the Endocrine Society, San Diego, CA, 1999. p. 228.
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Google Scholar statistics as of July 1, 2021:

Citations = 38,605; H-Index = 83; i-10 Index = 326