

## CURRICULUM VITAE

### PERSONAL INFORMATION:

Name: Robert Alan Adler, M.D.

Office Address: Chief, Endocrinology & Metabolism (111P)  
Hunter Holmes McGuire Veterans  
Affairs Medical Center  
1201 Broad Rock Blvd.  
Richmond, VA 23249  
(804) 675-5424  
FAX: (804) 675-5453  
[robert.adler@va.gov](mailto:robert.adler@va.gov)  
[Robert.adler@vcuhealth.org](mailto:Robert.adler@vcuhealth.org)

### LICENSURE:

Medical Licenses: 1972 – Maryland (Inactive)  
1972 – Massachusetts (Inactive)  
1973 – Virginia #0101023736  
1976 – New Hampshire #5574 (Inactive)

Certification: Diplomate, National Board of Medical Examiners, 1971  
Diplomate, American Board of Internal Medicine, 1974  
Diplomate, American Board of Internal Medicine,  
Subspecialty Certification in Endocrinology, 1975  
Certified Clinical Densitometrist (ISCD), 1999  
Re-certified 2003, 2008, 2013

### EDUCATION:

M.D., Johns Hopkins University School of Medicine, 1970  
B.A., Johns Hopkins University, 1967  
Franklin & Marshall College, 1963 – 1965

## MILITARY SERVICE RECORD:

Entered Active Duty, United States Army, July 9, 1973  
Endocrinology Service, Walter Reed Army Medical Center, 1973 – 1974  
Promotion to Major, May 29, 1974  
Clinical Investigation Service and Assistant Chief, Endocrinology, Fitzsimons Army Medical Center, 1974 – 1976  
Inactive Reserve, 1976 – 1980  
Honorable Discharge, January 31, 1980

## POSTDOCTORAL TRAINING:

Fellow in Endocrinology, Walter Reed Army Medical Center, 1973 – 1974  
Fellow in Endocrinology, Massachusetts General Hospital, 1972 – 1973  
Assistant Resident (Medicine) Johns Hopkins Hospital, 1971 – 1972  
Intern (Medicine) Johns Hopkins Hospital, 1970 – 1971

## ACADEMIC APPOINTMENTS AND OTHER EXPERIENCE:

Virginia Commonwealth University (Medical College of Virginia):  
Professor of Epidemiology and Community Health 2005-  
Professor of Preventive Medicine and Community Health 2002-04  
Professor of Internal Medicine, 1993 –  
Associate Professor of Internal Medicine, 1984 – 1993  
Tenure Awarded, 1988

McGuire Veterans Affairs Medical Center:  
Chief, Endocrinology and Metabolism, July 1985 –  
Acting Chief of Endocrinology, December 1984 – July 1985  
Assistant Chief of Endocrinology and Metabolism, July – December 1984

Dartmouth Medical School:  
Adjunct Associate Professor of Medicine, 1984 – 1990  
Associate Professor of Medicine 1982 – 1984  
Assistant Professor of Medicine, 1976 – 1982

White River Junction Veterans Administration Medical Center:  
Consultant in Endocrinology, 1976 – 1984

Dartmouth Hitchcock Medical Center:  
Staff Physician, Endocrinology, 1976 – 1984

University of Colorado School of Medicine:  
Clinical Instructor in Medicine, 1975 – 1976

## MEMBERSHIP-SCIENTIFIC, HONORARY AND PROFESSIONAL SOCIETIES:

Endocrine Society  
National Osteoporosis Foundation  
American Society for Bone and Mineral Research  
International Society for Clinical Densitometry  
Richmond Endocrine Club

## SPECIAL AWARDS AND HONORS:

Special Teaching Award, Dartmouth Medical School, 1984  
Nominee for Best Teacher Award, MCV/VCU, 1994, 1995  
Outstanding Teacher Award, MCV/VCU 1998 – 1999, 2014  
Irby-James Award for Excellence in Clinical Teaching, VCU 2004  
International Society for Clinical Densitometry – Clinician of the Year Award, 2012  
American Society for Bone and Mineral Research – Shirley Hohl Service Award, 2016

## REVIEWING EXPERIENCE:

Journals: Journal of Clinical Endocrinology and Metabolism, Endocrinology, Molecular and Cellular Biochemistry, Archives of Internal Medicine, Life Sciences, Proceedings of the Society for Experimental Biology and Medicine, Acta Endocrinologica, Neuroendocrinology, Alcoholism: Clinical and Experimental Research, American Journal of Physiology, Thyroid, Journal of Bone and Mineral Research, NeuroImmunoModulation, Clinical Endocrinology, Journal of the American Medical Association, Journal of Endocrinology, American Journal of the Medical Sciences, Osteoporosis International, Calcified Tissue International, Consultant, NACB Thyroid Testing Guidelines, Journal of Rheumatology, Journal of Clinical Densitometry, Medical Principles and Practice (Kuwait), American Journal of Epidemiology, The Lancet, Value in Health (ISPOR journal), Lasers in Medical Science, Endocrine Practice, Controlled Clinical Trials, Annals of Internal Medicine (Outstanding Reviewer 2009), The Journal of Women's Health, Chest, Southern Medical Journal, Journal of the National Medical Association, Clinical Interventions in Aging, Nature Clinical Practice Endocrinology and Metabolism, European Respiratory Journal, Journal of the National Cancer Institute, Endocrine Research, Therapeutic Advances in Musculoskeletal Disease, Translational Research in Endocrinology and Metabolism, Sarcoidosis Vasculitis and Diffuse Lung Disease, Journal of Urology, Journal of the American Geriatrics Society, BMC Geriatrics, Arthritis Care and Research, Drugs, COPD: Journal of Chronic Obstructive Pulmonary Disease, Diabetologia, Spinal Cord, Archives of Physical Medicine and Rehabilitation, Bone Research, Endocrine, Mayo Clinic Proceedings, BMJ, European Journal of Endocrinology, Expert Review of Clinical Pharmacology, Journal of the American Medical Directors Association, The Lancet Diabetes & Endocrinology, New England Journal of Medicine.

Research Grant Proposals (Ad hoc):

Department of Veterans Affairs Merit Review Grant Program  
March of Dimes Grant Program  
American Federation for Aging Research  
Spinal Cord Foundation  
Veterans Affairs Cooperative Studies Program  
Jeffress Foundation  
May Day Foundation

NIH Special Study Section – Prevention of Osteoporosis

NIH Study Sections: DDK – B Subcommittee, SBSR, NIAMS Special Emphasis

NIH Study Section (ad hoc) – SBDD 2003-2011

US Army Congressionally Directed Medical Research 2009, 2010, 2012

Editorial Board:

Journal of Clinical Endocrinology and Metabolism, 1988 – 1992; 2012-  
Endocrinology and Metabolism Editor, Plexus, 1991- 1993

Journal of Clinical Densitometry, 1997 –

American Journal of Physiology, Endocrinology Section, 1998 – 2001

Endocrine Research, 2008-

Journal of Bone and Mineral Research 2010-2014

Osteoporosis International 2012-2015;

Associate Editor 2015-

Section Editor, Current Osteoporosis Reports 2012-2015

Osteoporosis Subspecialty Consultant, Prescriber's Letter 2012-

Endocrine 2015-2018

Journal of Endocrinological Investigation 2018-

Accreditation:

Endocrinology Subspecialty Programs Pre-Reviewer, Accreditation

Council for Graduate Medical Education, 1994 – 1998

Endocrinology Subspecialty Appeals Panel, ACGME, 2000 –

RECENT COMMITTEE ASSIGNMENTS

McGuire Veterans Affairs Medical Center:

Research Committee, 2003-2006

Research Safety Subcommittee, 2003- Chair, 2006-

Department of Veterans Affairs

Endocrinology/Diabetes Field Advisory Committee 2008-

Chair, Male Osteoporosis Technical Advisory Panel 2007-

International Society for Clinical Densitometry

Scientific Advisory Committee 2003-2011

Subcommittee on using QUS in FRAX 2010-2011

Virginia Commonwealth University

Search Committee, Department of Medicine Chair 2010

Chair, Search Committee for Endocrine Division Chair 2011-2013

American Society for Bone and Mineral Research

Professional Practice Committee 2004-2011; Chair 2007-2011

Science Policy Committee (*ex officio*) 2007-2011

Atypical Femoral Fracture Task Force 2009-

Clinician Outreach Task Force 2009-

Co-Chair, Taskforce on ASBMR-Industry Relationships 2009-2011

Taskforce on Osteoporotic Fracture Secondary Prevention 2011-2012

Clinical Program Co-Chair ASBMR 2012 Annual Meeting 2011-2012

Strategic Planning Team 2010-

Council (elected) 2012-2015

Co-Chair, Task Force on Managing Osteoporosis Patients After Long-Term

Biphosphonate Treatment 2013-2016

American College of Rheumatology Glucocorticoid-Induced Osteoporosis Expert Panel 2009, 2015

Osteoporosis Working Group (American Medical Association, American Academy of Family Physicians, American Academy of Orthopaedic Surgeons, American Association of Clinical Endocrinologists, American College of Rheumatology, The Endocrine Society, Physician Consortium for Performance Improvement) 2006

Endocrine Society- Osteoporosis in Men Clinical Guideline Committee (ASBMR Representative) 2009- 2012

American Dental Association Council on Scientific Affairs Advisory Committee on Medication-Associated Osteonecrosis of the Jaw 2009-2012

Panel Member, NASA Summit on the Risk for Early Onset Osteoporosis Due to Spaceflight 2010-

International Advisory Board, Glucocorticoid Induced Osteoporosis Skeletal Endocrinology Group 2011-

American Academy of Orthopaedic Surgeons Clinical Practice Guideline on Management of Hip Fractures in the Elderly (Endocrine Society Representative) 2012-2014

University of Gent, Belgium, PhD Reading Committee for Stefan Goemaere 2014

Panel Member, FDA Review of Testosterone Replacement Therapy, 2014, 2016

Co-Chair, National Bone Health Alliance 2014-

Panel Member, FDA Osteoporosis Workshop, October 2015

Scientific Steering Committee, First and Second International Conference on Controversies in Vitamin D, 2016-

## ARTICLES:

1. Burman KB, Wartofsky L, Adler RA: Hemiogenesis of the thyroid gland. *American Journal of Medicine* 58:143-146, 1975.
2. Hofeldt FD, Adler RA, Boland MJ, Block MB: Galactorrhea: What does it mean? *Rocky Mountain Medical Journal* 73:252-254, 1975
3. Adler RA, Noel GL, Wartofsky L, Frantz AG: Failure of oral water loading and intravenous hypotonic saline to suppress plasma prolactin in man. *Journal of Clinical Endocrinology and Metabolism* 41:383-389, 1975.
4. Hofeldt FD, Adler RA, Herman RH: Postprandial hypoglycemia, fact or fiction. *Journal of the American Medical Association* 233:1309, 1975
5. Wartofsky L, Dimond RC, Noel GL, Adler RA, Frantz AG, Earll JM: The effect of an oral water load on serum TSH in normal subjects and on TSH and prolactin responses to thyrotropin releasing hormone (TRH) in patients with primary hypothyroidism. *Journal of Clinical Endocrinology and Metabolism* 41:784-787, 1975.
6. McCowen KD, Adler RA, Ghaed N, Verdon TA, Hofeldt FD: Low dose radioiodide thyroid ablation in post-surgical patients with thyroid cancer. *American Journal of Medicine* 61:52-58, 1976.
7. Hofeldt FD, Weled BJ, Brown JE, Adler RA, Ghaed N, Hirata RM: "Silent Thyroiditis" versus thyrotoxicosis factitia. *Minnesota Medicine* 59: 380-382, 1976.
8. Adler RA, Corrigan DF, Wartofsky L: Hypothyroidism after X-irradiation to the neck. *Johns Hopkins Medical Journal* 138:180-184, 1976.
9. Adler RA: The evaluation of galactorrhea. *American Journal of Obstetrics and Gynecology* 127: 569-571, 1977.
10. Zwillich CW, Matthay M, Potts DE, Adler RA, Hofeldt F, Weil JW: Thyrotoxicosis: comparison of effects of thyroid ablation and beta adrenergic blockade on metabolic rate and ventilatory control. *Journal of Clinical Endocrinology and Metabolism* 46: 491-500, 1978.
11. McCowen KD, Adler RA, O'Barr TP, Hofeldt FD: Clinical implications of the flat oral glucose tolerance test. *Military Medicine* 144: 177-179, 1979.
12. Adler RA, Dophin S, Szeffler M, Sokol HW: The effects of elevated circulating prolactin in rats with hereditary hypothalamic diabetes insipidus (Brattleboro strain). *Endocrinology* 105: 1001-1006, 1979.

13. Kidd GS, Schaaf M, Adler RA, Lassman MN, Wray HL: Skeletal responsiveness in pseudo-hypoparathyroidism: a spectrum of clinical disease. *American Journal of Medicine* 68: 772-781, 1980.
14. Adler RA, Brown SJ Sokol HW: Characteristics of prolactin secretion from anterior pituitary implants. In: L'Hermite M and Judd SJ, Eds., *Progress in reproductive biology: advances in prolactin*. Vol, 6, pp. 24-30, (Karger, Basel 1980).
15. Smith RE, Adler RA, Clark P, Brinck-Johnsen T, Tulloh ME Colton T: Thyroid function after mantle irradiation in Hodgkin's disease. *Journal of the American Medical Association* 245: 46-49, 1981.
16. North WG, Gellai M, Sokos HW, Adler RA: Demonstration that rat prolactin has no intrinsic antidiuretic activity in the rat. *Hormone Research* 15: 55-64, 1981.
17. Adler RA, Marceau M, Borst DW, Sokol HW, Culp WJ: Preparation of a biologically active rat prolactin devoid of antidiuretic activity. *Endocrinology* 110: 674-676, 1982.
18. Adler RA, Sokol HW: Glucose tolerance in rats with elevated circulating prolactin levels. *Hormone and Metabolic Research* 14: 307-310, 1982.
19. Adler RA, Sokol HW: Prolactin and growth hormone in the unstressed homozygous Brattleboro rat. In: Sokol HW and Valtin H, Eds., *The Brattleboro Rat*, *Annals of New York Academy of Science*, 394: 607-613, 1982.
20. Merlis AL, Schaiberger CL, Adler RA: External carotid-cavernous sinus fistula simulating unilateral Graves Disease. *Journal of Computer Assisted Tomography* 6: 1006-1009, 1982.
21. Adler RA, Sokol HW: Studies of anterior pituitary-grafted rats: I. Abnormal prolactin response to thyrotropin releasing hormone, clonidine, insulin and fasting. *Life Sciences* 32: 2949-2956, 1983.
22. Adler RA, Herzberg VL, Sokol HW: Studies of Anterior pituitary-grafted rats: II Normal growth hormone secretion. *Life Sciences* 32: 2957-2963, 1983.
23. Adler RA: Lower doses of thyroxine replacement for older patients. *Clinical Practice Update* 2:81-82, 1983.
24. Adler RA, Stauffer M, Gutman J, Brinck-Johnsen T: Hypercalciuria and bone changes in male hyperprolactinemic rats. In: MacLeod RM, Thorner MO, and Scapagnini U, Eds., *Prolactin-basic and clinical correlates*, Liviana Press, Padua, 385-389, 1985.
25. St.Germain DL, Adler RA, Galton VA: Thyroxine 5'-deiodinase activity in anterior pituitary glands transplanted under the renal capsule in the rat. *Endocrinology* 117: 55-63, 1985.

26. Adler RA, Herzberg VL, Brinck-Johnsen T, Sokol HW: Increased water excretion in hyperprolactinemic rats, *Endocrinology* 118: 1519-1524, 1986.
27. Moussalli C, Adler RA: Hypothalamic dysfunction from a stab wound. *Military Medicine* 151: 120-122, 1986.
28. Adler RA, Costanzo LS, Stauffer ME: Hypercalciuria in hyperprolactinemic rats: Effects of benzthiazide. *Metabolism* 35: 668-672, 1986.
29. Adler RA: The anterior pituitary-grafted rat: A valid model of chronic hyperprolactinemia. *Endocrine Reviews* 7: 302-313, 1986.
30. Costanzo LS, Smith B, Adler RA: Examination of hypercalciuria in the anterior pituitary-implanted rat. *American Journal of Physiology* 252: F916-F921, 1987.
31. Castellucci RP, Gardner DF, Haden HT, Adler RA: Autoimmune thyroiditis presenting as a systemic, febrile illness diagnosed with gallium scan and fine needle aspiration biopsy. *Southern Medical Journal* 82: 647-649, 1989.
32. Adler RA, Farrell ME, Krieg RJ, Deiss WP: Hypogonadism does not mediate calcium loss in pituitary-grafted rats. *Metabolism* 38: 805-809, 1989.
33. Barlascini CO, Schmitt JK, Adler RA: Insulin pump therapy of diabetes mellitus in quadriplegia. *Archives of Physical Medicine and Rehabilitation* 70:58-60, 1989.
35. Krieg RJ, Jr., Johnson JH, Adler RA: Growth hormone (GH) secretion in the pituitary-grafted male rat: In vivo effects of GH-releasing hormone and isoproterenol, and in vitro release by individual somatotropes. *Endocrinology* 125: 2273-2278, 1989.
36. Davee AM, Rosen CJ, Adler RA: Exercise patterns and trabecular bone density in college women. *Journal of Bone and Mineral Research* 5: 245-250, 1990.
37. Rosen CJ, Usiskin K, Owens M, Barlascini CO, Belsky M, Adler RA: T-lymphocyte surface antigen markers in osteoporosis. *Journal of Bone and Mineral Research* 5: 851-855, 1990.
38. Adler RA, Krieg RJ, Farrell ME, Deiss WP, MacLeod RM: Characterization of a new model of chronic hyperprolactinemia. *Metabolism* 40: 286-291, 1991.
39. Adler RA, Farrell ME, Deiss WP, Krieg RJ, MacLeod RM: Hypercalciuria in a new rat model of hyperprolactinemia. *Metabolism* 40: 292-296, 1991.
40. Adler RA: Osteoporosis and exercise. *Current Opinion in Orthopaedics* 2: 98-102, 1991.



41. Adler RA, Krieg RJ: Normal food intake and growth in hyperprolactinemic rats. *American Journal of Physiology: Regulatory, Integrative and Comparative Physiology* 261: R548-R552, 1991.
42. McMurtry CT, Young SC, Downs RW, Adler RA: Mild vitamin D deficiency and secondary hyperparathyroidism in nursing home patients receiving adequate vitamin D. *Journal of the American Geriatrics Society* 40: 343-347, 1992.
43. Guan J-X, Spangelo BL, Judd AM, Naylor PH, Goldstein AL, Kreig RJ, Adler RA, MacLeod RM: Prolactin-secreting tumors stimulate the release of interleukin 6 from the anterior pituitary in vitro. *Progress in Neuro Endocrin Immunology* 4: 195-201, 1991.
44. Adler RA: Clinically important effects of alcohol on endocrine function. *Journal of Clinical Endocrinology and Metabolism* 75: 1531-1534, 1992.
45. Saudek CD, Duckworth WC, Veterans Affairs Study Group. The Department of Veterans Affairs Implanted Insulin Pump Study. *Diabetes Care* 15: 567-570, 1992.
46. Rosen CJ, Adler RA: Longitudinal changes in lumbar bone density among thyrotoxic patients after attainment of euthyroidism. *Journal of Clinical Endocrinology and Metabolism* 75: 1531-1534, 1992.
47. McMurtry CT, Godschalk M, Malluche HH, Geng Z, Adler RA: Oncogenic osteomalacia associated with metastatic prostate carcinoma: Case report and review of the literature. *Journal of the American Geriatrics Society* 41:983-985, 1993.
48. Hobbs CJ, Plymate SR, Rosen CJ, and Adler RA: Testosterone administration increases insulin-like growth factor I (IGF-I) levels in normal men. *Journal of Clinical Endocrinology and Metabolism* 77: 776-779, 1993.
49. Adler RA, Naumann SA, Mansouri A, Krieg RJ, Latta K, Sanders KM: Anti-proliferative effects of deflazacort on Nb2 lymphoma cells as quantitated by formazan production. *Life Sciences* 55: 1823-1831, 1994.
50. Adler RA, Rosen CJ: Glucocorticoids and osteoporosis, *Endocrine and Metabolism Clinics of North America* 276: 1322-1327, 1996.
51. Saudek CD, Duckworth WC, Hurder A, Henderson WG, Henry RR, Kelley DE, Edelman SV, Zieve F, Adler RA, Anderson JW, Anderson RJ, Hamilton BP, Donner TW, Kirkman S, Morgan NA: Comparison of the implantable insulin pump with multiple dose insulin in the treatment of non-insulin-dependent diabetes mellitus: The Veterans Affairs implantable insulin pump study. *Journal of the American Medical Association* 276: 1322-1327, 1996.
52. Rosenthal AJ, Sanders KM, McMurtry CT, Jacobs MA, Thompson DD, Gheorghiu D, Little KL, Adler RA: Is malnutrition overdiagnosed in older hospitalized patients?

Association between the soluble interleukin-2 receptor and serum markers of malnutrition. *Journal of Gerontology: Medical Sciences* 53A: M81-M86, 1998.

53. Rosenthal AJ, McMurtry CT, Sanders KM, Jacobs M, Thompson DD, Adler RA: The soluble interleukin-2 receptor predicts mortality better than albumin or cholesterol in older hospitalized men. *Journal of the American Geriatrics Society* 45: 1362-1364, 1997.

54. Gunnison AF, Bowers A, Nadziejko C, Adler RA: Modulation of the inflammatory effects of inhaled ozone in rats by subcutaneous prolactin-secreting, pituitary-derived tumors. *Fundamental and Applied Toxicology* 37: 88-94, 1997.

55. Adler RA, Evani R, Mansouri A, Krieg RJ, Jr.: Relative effects of prolactin excess and estrogen deficiency on bone in rats. *Metabolism* 47: 425-428, 1998.

56. Adler RA: The diagnosis and treatment of testosterone deficiency: an overview. *Federal Practitioner* 14: (Supplement5S): 7-11, 1997.

57. Rosen CJ, Kurland ES, Vereault D, Adler RA, Rackoff PJ, Craig WY, Witte S, Rogers J, Bilezikian JP: An association between serum IGF-I and a simple sequence repeat in the IGF-I gene: implications for genetic studies of bone mineral density. *Journal of Clinical Endocrinology and Metabolism*: 83: 2286-2290, 1998.

58. Adler RA, Nordlie RR, Burke TS: Case Report: Increased bone mineral density in a man with known compression fractures. *Journal of Clinical Densitometry* 1: 275-278, 1998.

59. Duckworth WC, Saudek CD, Giobbie-Hurder A, Henderson WG, Henry RR, Kelley DE, Edelman SV, Zieve FJ, Adler RA, Anderson JW, Anderson RJ, Hamilton BP, Donner TW, Kirkman MS, Morgan NA: The Veterans Affairs implantable insulin pump study: effect on cardiovascular risk factors. *Diabetes Care* 21: 1596-1602, 1998.

60. Levy JR, Gyarmati J, Lesko JM, Adler RA, Stevens W: Dual regulation of leptin secretion: intracellular energy and calcium dependence of regulated pathway. *American Journal of Physiology* 278: E892-E901, 2000.

61. Adler RA: Sex steroids and osteoporosis: The role of estrogens and androgens. *Clinics in Laboratory Medicine* 20: 549-558, 2000.

62. Levy JR, Lesko J, Krieg RJ, Adler RA, Stevens W: Leptin responses to glucose infusions in obesity-prone rats. *American Journal of Physiology* 279: E1088-1096, 2000.

63. Adler RA, Funkhouser HL, Holt CM: Utility of heel ultrasound bone density in men. *Journal of Clinical Densitometry* 4: 225-230, 2001.

64. Funkhouser HL, Adera T, Adler RA: The effect of HMG-CoA reductase inhibitors (statins) on bone mineral density, *Journal of Clinical Densitometry* 5:151-158, 2002.

65. Vieweg WVR, Adler RA, Fernandez A: Antipsychotic drugs, weight gain, and diabetes mellitus: new approaches, *Current Psychiatry* 1(8):10-19, 2002.
66. Via PS, Wamsley C, Haselbush AM, Adler RA: Osteoporosis education: Reducing risk and preventing fracture, *Federal Practitioner* 20(5):25-38, 2003.
67. Adler RA, Funkhouser HL, Petkov VI, Elmore BL, Via PS, McMurtry CT, Adera T: Osteoporosis in pulmonary clinic patients: does point of care screening predict central dual energy x-ray absorptiometry?, *Chest* 123:2012-2018, 2003.
68. Adler RA, Funkhouser HL, Petkov VI, Berger MM: Glucocorticoid-Induced Osteoporosis (GIOP) in patients with sarcoidosis, *American Journal of the Medical Sciences* 325:1, 2003.
69. Adler RA, Hochberg MC: Suggested guidelines for evaluation and treatment of glucocorticoid induced osteoporosis for the Department of Veterans Affairs, *Archives of Internal Medicine* 163:2619-2624, 2003.
70. Stern AG, de Carvalho MR, Buck GA, Adler RA, Rao TPS, Disler D, Moxley G: Association of erosive hand osteoarthritis with a single nucleotide polymorphism on the gene encoding interleukin-1 beta, *Osteoarthritis and Cartilage* 11:394-402, 2003.
71. Adler RA, Tran MT, Petkov VI: Performance of the OST screening tool for osteoporosis in American men, *Mayo Clinic Proceedings* 78:723-729, 2003.
72. Johnson SL, Petkov VI, Williams MI, Via PS, Adler RA: Improving osteoporosis management in patients with fractures, *Osteoporosis International* 16:1079-1085, 2005.
73. Adler RA, Fractures syndromes in men, *Advances in Osteoporotic Fracture Management* 3:112-117, 2005.
74. Adler RA: Osteoporosis Treatment in 2005, *Southern Medical Journal* 98:963, 2005.
75. Adler RA: The need for increasing awareness of osteoporosis in men, *Clinical Cornerstone* 8: (Supplement 3)S7-S13, 2006.
76. Adler RA: Epidemiology and pathophysiology of osteoporosis in men, *Current Osteoporosis Reports* 4:110-115, 2006.
77. Leslie WD, Adler RA, El-Hajj Fuleihan G, Hodsmann AB, Kendler DL, McClung M, Miller PD, Watts NB: Application of the 1994 WHO Classification to Populations Other Than Postmenopausal Caucasian Women: The 2005 ISCD Official Position, *Journal of Clinical Densitometry* 9:22-30, 2006
78. Adler RA: Cancer treatment-induced bone loss, *Current Opinion in Endocrinology, Diabetes & Obesity* 14:442-445, 2007.

79. Lynn HS, Woo J, Leung PC, Barrett-Connor EL, Nevitt MC, Cauley JA, Adler RA, Orwoll ES, for the Osteoporosis Fractures in Men (MrOS) Study, An evaluation of osteoporosis screening tools for the The Osteoporosis Fractures in Men (MrOS) Study, *Osteoporosis International* 19:1087-1092, 2008.
80. Simonelli C, Adler RA, Blake GM, Caudill JP, Khan A, Leib E, Maricic M, Prior JC, Eis SR, Rosen C, Kendler DL: Dual energy x-ray absorptiometry technical issues: The 2007 ISCD Official Positions. *Journal of Clinical Densitometry* 11:109-122, 2008.
81. Frey ME, Kasturi G, Adler RA, Cifu DX, Qutubuddin A: Curve/Countercurve – Management of sacral insufficiency fractures. *Spine* 9:10-16, 2008.
82. Hochberg MC, Adler RA: Screening for osteoporosis in men: Comment on the American College of Physician's Clinical Guidelines, *Nature Clinical Practice: Rheumatology* 4:626-627, 2008.
83. Devogelaer J-P, Adler RA, Recknor C, See K, Warner M, Wong M, Krohn K: Relationship between baseline glucocorticoid dose and bone mineral density response with teriparatide or alendronate therapy in patients with glucocorticoid-induced osteoporosis, *Journal of Rheumatology* 37:141-148, 2010.
84. Kasturi, G, Cifu DX, Adler RA: A review of osteoporosis, Part I: Impact, pathophysiology, diagnosis, and the unique role of the physiatrist, *PM&R* 1:254-260, 2009.
85. Saag, KG, Zanchetta JR, Devogelaer J-P, Adler RA, Eastell R, See K, Kresge JH, Krohn K, Warner MR: Effects of teriparatide versus alendronate for treating glucocorticoid-induced osteoporosis: Thirty-six-month results of a randomized, double-blind, controlled trial, *Arthritis and Rheumatism* 60:3346-3355, 2009.
86. Adler RA, Hastings FW, Petkov VI: Treatment thresholds for osteoporosis in men on androgen deprivation therapy: T-score versus FRAX™, *Osteoporosis International* 21:647-653, 2010.
87. Ryan CS, Petkov VI, Adler RA: Osteoporosis in men: the value of laboratory testing, *Osteoporosis International* 22:1845-1853, 2011.
88. Johnson DA, Williams MI, Petkov VI, Adler RA: Zoledronic acid treatment of osteoporosis: Effects in men, *Endocrine Practice* 16:960-967, 2010.
89. Adler RA, Favus MJ: Following bone density in patients on bisphosphonates – another perspective, *Journal of Bone and Mineral Research* 24:1647-1648, 2009.
90. Orwoll E, Miller P, Adachi J, Brown J, Adler RA, Kendler D, Bucci-Rechtweg C, Radies A, Mesenbrink P, Weinstein R: Efficacy and safety of once-yearly i.v. infusion of zoledronic acid 5 mg versus once-weekly 70 mg oral alendronate in the treatment of male osteoporosis: a

randomized, multicenter, double-blind, active-controlled study, *Journal of Bone and Mineral Metabolism* 25:2239-2250, 2010.

91. Adler RA: Preventing the next “bone event,” *Journal of the American Geriatrics Society* 58:762-764, 2010.

92. Adler RA: Glucocorticoid-induced osteoporosis: management update, *Current Osteoporosis Reports* 8:10-14, 2010.

93. Qutubuddin A, Cifu DX, Adler RA, Carne W, Gitchel G: A pilot study of Vitamin D and balance characteristics in middle-aged, healthy individuals, *PM&R* 2:23-26, 2010.

94. Adler RA: Osteoporosis, androgen levels, and urologic care, *Journal of Urology*, 183:2122-2123, 2010.

95. Kasturi G, Adler RA: The extent of diagnosis and treatment in a Veterans Affairs population undergoing vertebral augmentation, *PM&R* 2:811-816, 2010.

96. Kasturi G, Adler RA: Osteoporosis: Non-pharmacologic management, *PM&R* 3:562-572, 2011.

97. Shane E, Burr DB, Ebeling PE, Abrahamsen B, Adler RA, Brown TD, Cheung AM, Cosman F, Curtis JR, Dell R, Dempster D, Einhorn TA, Genant HK, Geusens P, Klaushofer K, Koval K, Lane JM, McKiernan F, McKinney R, Ng A, Nieves J, O’Keefe R, Papapoulos S, Tet Sen H, van der Meulen MCH, Weinstein RS, Whyte M: Atypical subtrochanteric and diaphyseal femoral fractures: report of a task force of the American Society for Bone and Mineral Research, *Journal of Bone and Mineral Research* 25:2267-2294, 2010.

98. Adler RA: Osteoporosis in Men: What has Changed? *Current Osteoporosis Reports*, 9:31-35, 2011.

99. LaFleur J, Nelson RE, Yao Y, Adler RA, Nebeker JR: Validated risk rule using computerized data to identify males at high risk for fracture, *Osteoporosis International* 23:1017-1027, 2012.

100. Adler RA: Management of osteoporosis in men on androgen deprivation therapy, *Maturitas* 68:143-147, 2011.

101. Adler RA: Osteoporosis in prostate disease, *Current Medical Literature-Rheumatology* 30:1-7, 2011.

102. Hansen KE, Fink H, Minisola S, Wilson HA, Zapalowski C, Adler RA: Uncertainties in the prevention and treatment of glucocorticoid-induced osteoporosis, *Journal of Bone and Mineral Research* 26:1989-1996, 2011.

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#### ABSTRACTS:

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## RECENT AND UPCOMING INVITED PRESENTATIONS:

February 12, 2016: McGuire VAMC Medical Grand Rounds: Osteoporosis Update

March 5, 2016: American College of Physicians, Virginia Chapter Meeting, Osteoporosis: Advances in Management, Charlottesville, VA.

March 19, 2016: Glucocorticoid-Induced Osteoporosis International Congress: Guidelines Vs Clinical Reality in Glucocorticoid-Induced Osteoporosis, Rome, Italy.

May 14, 2016: Interdisciplinary Symposium on Osteoporosis 2016, National Osteoporosis Foundation, Miami, FL: Expert panel on challenging cases in osteoporosis.

May 15, 2016: Interdisciplinary Symposium on Osteoporosis 2016, National Osteoporosis Foundation, Miami, FL: Osteoporosis in patients with mobility disorders (plenary lecture).

May 20, 2016: American Geriatrics Society Annual Meeting: Long term management of osteoporosis, Long Beach, CA.

October 24-25, 2016: NASA Bone Summit III, Houston, TX.

November 4, 2016: Ohio State Bone Day: Long term management of osteoporosis (keynote address), Columbus, OH.

November 14, 2016: American College of Rheumatology Annual Meeting: Report of the ASBMR Long Term Bisphosphonate Task Force, Washington, DC.

December 6, 2016: FDA Panel: Designing studies of agents for secondary hypogonadism in men, Silver Spring, MD.

January 13, 2017: Geriatrics Grand Rounds, McGuire Veterans Affairs Medical Center, Richmond, VA: Long term management of osteoporosis.

February 17, 2017: Medical Grand Rounds, McGuire Veterans Affairs Medical Center, Richmond, VA: Testosterone Update 2017.

April 4-8, 2017: 1. Estrogen vs. Testosterone effects on bone: population studies and clinical implications. 2. A New Paradigm for Osteoporosis Treatment. Advances in Mineral Metabolism, Snowmass, CO.

April 21, 2017: Clinical Osteoporosis 2017: Osteoporosis in patients with decreased mobility, Orlando, FL.

May 10, 2017: Endocrine Grand Rounds: Osteoporosis in Men. University of Pennsylvania, Philadelphia, PA

June 14-16, 2017: 1<sup>st</sup> International Conference on Controversies in Vitamin D, Pisa, Italy

July 29, 2017: AACE Ohio River Chapter Meeting: GIOP and Long Term Osteoporosis Rx, Columbus, OH.

September 19, 2017: Department of Veterans Affairs VISN 6 Mini-Residency in Women's Health – Osteoporosis.

January 9-10, 2018: FDA Panel on Testosterone, College Park, MD

February 2, 2018: McGuire VAMC Medical Grand Rounds: Osteoporosis Update

March 2, 2018: McGuire VAMC Geriatrics Grand Rounds: Testosterone Update

March 18, 2018: Endocrine Nurses Society, Chicago, IL: Update on testosterone replacement in men

March 20, 2018: Endocrine Society Annual Meeting, ENDO 2018, Chicago, IL: Meet the professor: Osteoporosis in Men

March 28, 2018: Brown University Endocrine Grand Rounds, Providence, RI: Osteoporosis in Men

April 9, 2018: NASA Bone Expert Panel

April 21, 2018: International Osteoporosis Foundation Meeting, Krakow, Poland: The ASBMR roadmap to meeting the crisis in osteoporosis treatment

April 28, 2018: Virginia Geriatrics Society, Richmond, VA: Update on testosterone replacement in older men

September 12, 2018: Second International Conference on Controversies in Vitamin D, Monteriggioni, Italy: Value of observational/association studies of Vitamin D