

Jeri Wanzor Nieves, PhD
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Date of Preparation: May 12, 2022

Personal Data:

Name: Jeri Wanzor Nieves
Date of Birth: 12/03/1958
Birthplace: Glen Cove, New York
Citizenship: United States Citizen

Academic Training:

1977-1981 B.S. in Nutrition and Food Science
College of Resource Development
University of Rhode Island, Kingston, RI

1981-1984 M.S. in Nutritional Science
Division of Nutritional Sciences
Cornell University, Ithaca, NY

1987-1993 Ph.D. in Epidemiology
Division of Epidemiology
Graduate School of Arts & Sciences
Columbia University, New York, NY

Doctoral Dissertation, Columbia University, May 1993, Sponsor - Jennifer Kelsey, Ph.D.
Relationship of Dietary Constituents to Bone Mineral Density in Young Women and Hip Fracture in Older Women

Professional Organizations and Societies:

American Society for Bone and Mineral Research
1993 –present

Fellow, American Society for Bone and Mineral Research
2019- present

Fellow, American College of Nutrition
1998- present

Society for Epidemiologic Research
1989 – 2005

Academic and Other Appointments:

Senior Research Scientist
Hospital for Special Surgery
535 E 70th St,
New York, NY 10021

Professor of Clinical Epidemiology
Mailman School of Public Health and Institute of Human Nutrition
Columbia University, New York, NY
2018 – present

Associate Professor of Clinical Epidemiology
Mailman School of Public Health and Institute of Human Nutrition
Columbia University, New York, NY
2006 - 2017

Assistant Professor of Clinical Epidemiology
Mailman School of Public Health and Institute of Human Nutrition
Columbia University, New York, NY
1994 - 2006

Research Scientist V- Epidemiologist
Director, Clinical Research Center
Helen Hayes Hospital, West Haverstraw, NY
New York State Department of Health
December 1998-April 2019 (retired)

Research Scientist III- Epidemiologist
Director, Bone Density Testing Center
Helen Hayes Hospital, West Haverstraw, NY
New York State Department of Health
March 1994- December 1998

Research Scientist II- Epidemiologist
Helen Hayes Hospital, West Haverstraw, NY
New York State Department of Health
March 1992- March 1994

Honors:

Member- A Task Force to Evaluate the Impact of Calcium on Cardiovascular Disease. The National Osteoporosis Foundation, American Society for Nutrition and the American Society for Preventive Cardiology. Published 2016.

Senior Associate Editor, Osteoporosis International, January 2016

Associate Editor, Osteoporosis International, January 2011

Co-Editor with Holick Michael F - Nutrition and Bone Health, second edition. Humana Press, 2015

Invited Commentary in Nature: Reviews in Endocrinology on: Bone. Maximizing Bone Health-- Magnesium, BMD and Fractures. May 2014

Editorial Board: The North American Menopause Society Recommendations for Clinical Care of Midlife Women. Menopause. 2014

Member, American Society for Bone and Mineral Research Second Task Force on Atypical Subtrochanteric and Diaphyseal Femoral Fractures- May 2013

Member, Task force of FRAX® Clinical Regarding International Differences from Joint Official Positions Development Conference of the International Society for Clinical Densitometry and International Osteoporosis Foundation on FRAX®, numerous publications.

Member, American Society for Bone and Mineral Research Task Force on Atypical Subtrochanteric and Diaphyseal Femoral Fractures, published November 2011.

Top 5 Cited Original Research Articles from 2009-2011 in Osteoporosis International for “Fragility fractures of the hip and femur: incidence and patient characteristics”. 2010.

Editorial Board: The North American Menopause Society Position Statement on the Role of Calcium in Postmenopause, published March 2006.

Medical Crossfire: The Role of Calcium and Soy in Bone Health after the Women’s Health Initiative. March 2004.

Invited Member, Nutritional Aspects of Osteoporosis May 1997. Lausanne Switzerland. Roundtable on Recommended Calcium Intakes Revisited

Invited Comment: CNN News, Calcium Intake and Bone Health, June 1997.

National Research Service Award: Pre-Doctoral Trainee in Bone Related Research Division of Epidemiology, Columbia University, 1988-1991

Fellowship and Grant Support:

Ongoing Research Support

1U01AR069869-01A1 Nieves (PI) 2/01/17- 1/30/22 NIH-NIAMS
A clinical trial to evaluate whether treatment with daily teriparatide (20 mcg)/abaloparatide, compared with placebo is effective in enhancing fracture healing in men and postmenopausal women 65 years of age and older. Clinical outcomes include radiographic evidence of healing, pain and physical function.
Role: Principal Investigator

Radius Health Inc. Stein (PI)
Phase II Trial of Abaloparatide vs. Placebo in Post-Menopausal Women Receiving Initial Spinal Fusion Surgery to help establish the benefits of 80 mcg/d sc. abaloparatide/Tymlos therapy in women who are scheduled to undergo spinal fusion surgery and to evaluate surgical outcomes at one year and compare the impact of 6 months of abaloparatide vs. placebo on surgical success.
Role Investigator

Radius Health Inc. Cosman (PI)
Abaloparatide Added to Ongoing Denosumab Versus Continued Denosumab Alone
Trial in women who still appear to be at high risk for fracture while receiving ongoing denosumab therapy, to determine whether adding abaloparatide will increase BMD of the lumbar spine and total hip significantly more than continuing denosumab alone
Role Investigator

R01 FD006372-01-04 Brittenham, Lee Co-PIs) FDA Orphan Drug Application
 Daily Vitamin D for Sickle-cell Respiratory Complications: clinical trial comparing daily and monthly vitamin D3 to reduce respiratory complications in SCD to test the hypothesis that daily oral vitamin D3 will rapidly increase circulating parent compound vitamin D3 and reduce the rate of respiratory complications within the first year of treatment.
 Role: Investigator

Completed Research Support

NA Nieves (PI) 11/01/98-4/11/19

New York State Department of Health-MOU

New York State Osteoporosis Prevention and Education Program- Statewide Osteoporosis Resource Center: To promote osteoporosis education for New York State residents and medical professionals and to maintain an educational website www.NYSOPEP.org.

Role: Principal Investigator

CDC/DHHS GG007600 Mitsumoto, Hiroshi (PI) 9/1/13 – 8/31/19

ALS Environmental Ecologic Study A Prospective Comprehensive Epidemiologic Study in a Large Cohort in the National ALS Registry: Identifying ALS Risk Factors.

Role: Investigator

Amgen Cosman (PI) 12/20/12 – 5/1/2019

Optimizing denosumab and teriparatide for treatment of osteoporosis.

Role: Investigator

Amgen Cosman (PI) 4/2016 – 5/1/2019

Bone histomorphometry of the proximal femur in Denosumab-treated subjects undergoing total hip replacement

Role: Investigator

1U34AR064494 - 01A1

Nieves (PI)

07/01/14-6/30/16

NIH-NIAMS

This clinical trial planning grant was funded to prepare for a clinical trial to evaluate whether treatment with daily teriparatide (20 mcg), compared with the standard management of pelvic fractures (conservative pain management, bed rest, and treatment of comorbid conditions) is effective in enhancing fracture healing in men and postmenopausal women 65 years of age and older.

Role: Principal Investigator

NIH Saag at UAB (PI)9/1/11-8/31/16

Activating Patients to Reduce Osteoporosis (APROPOS). This study will use formative analysis to develop a video-based direct-to-patient intervention, designed to provide personalized feedback regarding patients' risk of subsequent fractures, customized information regarding osteoporosis care, and messaging to activate them to become more proactive in improving communication with their doctor. The content will be uniquely tailored to each person based on their reported barriers to care, fracture risk and race/ethnicity. We will survey APROPOS study participants prior to randomization and at 6 and 18 months post-randomization to determine rates of osteoporosis prescription treatment, calcium/vitamin D, and bone density testing.

Role: Principal Investigator at Helen Hayes Hospital

FDA Orphan Drug Application Brittenham (PI) 6/2011-6/2017

Studies have found that most children with sickle-cell disease have low serum 25-hydroxyvitamin D levels. This randomized clinical trial will test the hypothesis that high-dose oral vitamin D3 (cholecalciferol), 100,000 IU (2.5 mg) given once a month, will reduce the risk of pulmonary complications (infections, exacerbations of asthma, and the acute chest syndrome) in children and adolescents with sickle-cell disease.

Role: Investigator

AR059204-01 Cosman (PI) 04/1/10 to 3/31/15 NIH-NIAMS

Early Effects of PTH on the proximal femur

Teriparatide (Forteo) is a potent osteoporosis medication that helps prevent fractures. However, we know little about its effect on the hip. The purpose of this study is to determine what changes Teriparatide has on hip structure and how teriparatide might help reduce hip fracture risk. We will evaluate hip bone samples from patients that we will be treating with either teriparatide (Forteo) or a placebo (an inactive substance) before their surgical hip replacement.

Role: Investigator

Takeda Nieves (PI) 6/1/10-5/31/15

A Phase 1, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Effect of Dexamethasone 60 mg Delayed Release Capsules and Esomeprazole 40 mg Delayed Release Capsules on Bone Homeostasis in Healthy Postmenopausal Female. Bone density quality control.

Role: Principal Investigator

AR056651 Lindsay (PI) 12/1/10-11/30/14

NIH-NIAMS

A mechanistic study of skeletal actions of 1-34h PTH

The major goals of this project are to determine the cellular and histologic effects of PTH in combination with acute and chronic administration of bisphosphonates and to determine if cyclic PTH administration is as effective as daily PTH on bone density and bone structure.

Role: Investigator

Novartis Cosman (PI) 6/1/09 to 6/30/11

“Health Outcome study of a Fracture Liaison Service for Hip Fractures”

Role: Investigator

NIH-NIEHS GG005166 Mitsumoto (PI) 7/22/09 to 4/30/15

ALS Cohort Study of Multicenter Oxidative Stress and Disease Progress(ALS-COSMOS):

Dietary Measures. To determine whether markers of increased exposure to oxidative stress (OS), measured via questionnaire or biomarkers, are associated with ALS progression / survival. To evaluate associations between lipid profiles and ALS progression, measured by ALS-FRS and survival. To determine whether a variety of environmental, psychological and lifestyle factors are associated with increased levels of OS biomarkers at baseline.

Role: Investigator

NIH-NIA Scarmeas, (PI) 12/1/2007-9/30/2012

Mediterranean Diet and Other Dietary Patterns in Alzheimer’s disease: The goal of this project is to determine why higher adherence to the Mediterranean Diet appears to be related to decreased risk for incident Alzheimer’s disease and to investigate possible biological mechanisms of this association and determine which, if any, particular components of the diet are mostly responsible for this association.

Role: Investigator

NA Nieves (PI) 2/1/07 – 1/31/12

U MASS Subcontract

Global Longitudinal Registry of Osteoporosis in Women

The goal of this research is to improve our understanding of the risk and prevention of osteoporosis-related fractures among female residents of 9 countries who are 55 years of age and older.

Role: Principal Investigator

NCI Neugut (PI) 6/1/06-5/30/13

Training Program in Cancer-Related Population Sciences

To advise pre and post-doctoral students in cancer related projects, specifically those with a nutritional component.

Role: Faculty Advisor

AR051454-01 Lindsay (PI) 12/1/05 to 11/30/10

NIH-NIAMS RO1 "A Mechanistic Study of the Skeletal Actions of 1-34PTH"

Role: Investigator

Wyeth Ayerst Research Division Lindsay (PI) 01/01/02-03/31/07

"A Double-Blind, Randomized, Placebo and Historical Controlled Study of the Safety and Efficacy of Premarin/Trimegestone for Postmenopausal Hormone Replacement Therapy- Bone Quality Control Center"

Role: Investigator

RO1 AR051454-01 Lindsay (PI) 12/1/05 to 11/30/10

NIH-NIAMS "A Mechanistic Study of the Skeletal Actions of 1-34PTH"

Role: Investigator

NIH-NIAMS AR39191 Nieves (PI) 10/1/98-9/30/04

Specialized Center of Research Lindsay (PI)

The goal of this project is to provide high quality bone densitometry to the SCOR clinical projects (3 and 4) and the animal project (2). Role on Project: Principal Investigator, Core D "Non-invasive measurement of bone mass and bone structure".

Role: Core Principal Investigator

NA Nieves (PI) 12/01/01- 11/30/04

Bristol Myers Squibb

Evaluation of Continuous Summary Physical Performance Score in the Elderly

To serve as a clinical site and the data coordinating site for a study of a modified measure of physical performance in the elderly.

Role: Principal Investigator

Wyeth Ayerst Research Division (Lindsay) 12/02/05-9/30/08

"A Double Blind, Randomized, Placebo Controlled and Active Controlled Efficacy and Safety Study of Bazedoxifene/Conjugated Estrogens Combination for Prevention of Endometrial Hyperplasia and Prevention of Osteoporosis in Postmenopausal Women"

Role: Investigator

Department of Army- MRC DAMD 179818518 (Kelsey) 12/99 to 11/05

Oral Contraceptives and bone accrual and stress fractures in female distance runners.

Role : Investigator

NIH- National Institute of Aging Nieves (PI) 3/1/98- 2/28/03

Vitamin D Supplementation in Postmenopausal Black Women

The goal of this study was to compare the effect of vitamin D versus placebo on bone density, bone turnover and calcium absorption in postmenopausal black women.

Role: Principal Investigator

DAMD179818539 Cosman/ Nieves (Co-PIs) 7/1/98- 6/30/04

Department of the Army- MRC

Determinants of Stress Fractures and Bone Mass in Elite Military Cadets.

The goal of this study was to determine the determinants of stress fracture and peak bone mass in males and females attending the United States Military Academy.

Role: Co-Principal Investigator

Teaching Experience and Responsibilities:

Introductory Epidemiology for Nutritionists- 3 credit course, Institute of Human Nutrition

Fall 2004- present, enrollment 75/semester

US and International Nutrition Policy and Programs- 3 credit course

Spring 2007- present, enrollment 50 students, Institute of Human Nutrition

Topics in Public Health Nutrition- 3 credit course, Institute of Human Nutrition

Fall 2016- present, enrollment 75/semester (co-Instructor)

Tutorial in Institute of Human Nutrition- 1 credit course on statistics and SAS

Fall 2008- 2010

Nutritional Epidemiology - 3-credit course. Summer 1994- 2013.

Enrollment 10-15/ semester; Co Instructors in 2013 J Genkinger, M Hall

Postdoctoral Fellows:

Endocrine Fellows June 2000- 2018. Epidemiology and Nutrition in Osteoporosis Research

Doctoral Students:

Jingyan Yang, PhD Candidate- Graduated 2019

Improving the effectiveness of osteoporosis related fracture prediction and prevention.

Elisandra Reyes-Perez, PhD candidate currently on leave

Early Childhood Protein Energy Malnutrition as a Risk Factor for Enamel Hypoplasia and Dental Caries

Jamie Ruffing, PhD Candidate Graduated 2011

The role of lifestyle on bone mass in elite military cadets.

Joseph Jaeger PhD Candidate Graduated 2011

Parental Tobacco and Alcohol Use and Medulloblastoma/Primitive Neuroectodermal Tumors in Children.

Elizabeth Grubert, DrPH New York Medical College, Graduated 2010

The combined effects of exercise and teriparatide on bone mass in women with osteoporosis.

Julia Heck, PhD Candidate Graduated May 2006

Dietary intake of methionine, cysteine, and protein and urinary arsenic excretion in Bangladesh.

Ai Kubo, PhD Candidate Graduated 2007

The role of diet in Barrett's Esophagus.

Masters Student Advisor

Each year I am an academic advisor for approximately 12 students in the Institute of Human Nutrition

Aravinda Ganapathy October 2020 MS in the Institute of Human Nutrition

Melinda Ellers May 2015 MPH Epidemiology graduate

Tracy Hedberg, MS Candidate August 2007 IHN graduate

Laurie Melton, MS Candidate May 2006 graduate

Other Professional Activities:

Member of the Data Safety Monitoring Committee (DSMB) for NCR on behalf of NIAMS for the study: Limited-duration anabolic therapy in postmenopausal osteoporosis. Benjamin Leder, MD, Principal Investigator NIAMS Grant # R21 AR079718

Review of Grants for the NIH-NIAMS and NIA, March 2016, March 2018, November 2019, February 2021

Chairperson of Hospital Quality Management Committee for Helen Hayes Hospital, 2010 to 2019

Chairperson of the DSMB for KAI Research on behalf of NIAMS for Dr. Dawson-Hughes' study "Musculoskeletal Benefits of Bicarbonate in Older Adults - A Dose-finding Trial" 2011-2015

Chairperson of the Columbia University DSMB for HEXT (Hypo EXTension): PTH1-84 Use Beyond the Conclusion of the REPLACE, RELAY, RACE and HYPO Study with the Principal Investigator: John P. Bilezikian, MD. October 2011-2018

Review of Grants for the Department of Army through the American Institute of Biological Sciences, September 2011

Co-Chair of the National Osteoporosis Council for the National Association of Chronic Disease Directors. 2010-2013.

Publications:

Original, peer reviewed articles:

1. Hatch MC, Beyea J, **Nieves JW**, Susser M. Cancer near the Three Mile Island nuclear plant: Radiation Emissions. *Am J Epidemiol* 1990;132:397-412.
2. *Neugut AI and **Nieves JW**. The use of clinical data in studies of cancer etiology. *Cancer Prev* 1990;1:8-12.
3. Neugut AI, Robinson EZ, **Nieves JW**, Murray T, Tsai-WY. Poor survival of treatment-related acute non-lymphocytic leukemia (ANLL): A population based study. *JAMA* 1990;264:1006-1008.

4. Hatch MC, Wallenstein S, Beyea J, **Nieves JW**, Susser MW. Cancer rates after the Three Mile Island nuclear accident and proximity of residents to the plant. *Am J Pub Health* 1991;81:719-724.
5. Luo J-CJ, Neugut AI, **Nieves J**, Benson M, Niman H, Brandt-Rauf P. Presence of int-1 related protein in serum of prostate cancer patients and controls. *Med Sci Res* 1991;19:453-454.
6. *Neugut AI, Sherr D, Robinson E, Murray T, **Nieves J**. Differences in histology between first and second primary lung cancer. *Cancer Epidemiol Biomarkers Prev.* 1992 Jan-Feb;1(2):109-12.
7. ***Nieves JW**, Grisso JA, Kelsey JL. A Case-Control study of hip fracture: Evaluation of selected dietary variables and teenage physical activity. *Osteoporosis Int* 1992;2:122-127.
8. ***Nieves JW**, Cosman F, Mars C, Lindsay R. Comparative Assessment of Bone Mineral Density of the Forearm Using Single Photon and Dual X-Ray Absorptiometry. *Calcif Tissue Int* 1992;51:352-355.
9. Neugut AI, Garbowski GC, Lee WC, Murray T, **Nieves JW**, Forde KA, Treat MR, WayeJD, Fenoglio-Preiser C. Dietary risk factors for the incidence and recurrence of colorectal adenomatous polyps. A case-control study. *Ann Intern Med.* 1993 Jan 15;118(2):91-5.
10. Komar L, **Nieves JW**, Cosman F, Rubin A, Shen V, Lindsay R. Calcium homeostasis of an elderly population upon admission to a nursing home. *J Am Geriatr Soc* 1993;41:1057-1064.
11. Lindsay R, **Nieves J**, Golden A, Kelsey JL. Bone mass among premenopausal women. *Int J Fertil* 1993;38(Suppl); 83-87.
12. Lindsay R, **Nieves J**, Henneman E, Shen V, Cosman F. Subcutaneous administration of the amino terminal fragment of human parathyroid hormone (1-34hPTH): Kinetics and biochemical response. *J Clin Endocrin Metab* 1993;77;1535-1539.
13. Lindsay R, Cosman F, **Nieves J**. Estrogen: effects and actions in osteoporosis. *Osteoporos Int* 1993;3 Suppl. 1:150-152. PubMed PMID: 8461545.
14. Cosman F, **Nieves J**, Herbert J, Shen V, Lindsay R. High dose glucocorticoids in multiple sclerosis patients exert direct effects on the kidney and skeleton. *J Bone Min Res* 1994;9:1097-1105.
15. Cosman, F, **Nieves J**, Horton J, Shen V, Lindsay R. Effects of estrogen on response to EDTA infusion in postmenopausal osteoporotic women. *J Clin Endocrin Metab* 1994;78;939-943.
16. ***Nieves J**, Cosman F, Herbert J, Shen V, Lindsay R. High prevalence of vitamin D deficiency and reduced bone mass in multiple sclerosis. *Neurology* 1994; 44;1687-1692.
17. ***Nieves JW**, Golden AL, Kelsey JL, Siris E, Lindsay R. Teenage and current calcium intake are related to bone mineral density of the hip and forearm in women age 30-39. *Amer J Epidemiol* 1995; 141:342-51.
18. Cosman F, **Nieves J**, Shen V, Lindsay R. Oral 1,25-dihydroxyvitamin D administration in osteoporotic women: effects of estrogen therapy. *J Bone Min Res* 1995; 10;594-600.
19. Cosman F, **Nieves J**, Walliser J, Lindsay R. Postmenopausal osteoporosis: patient choices and outcomes. *Maturitas* 1995; 22:137-143

20. Parisien M, Cosman F, Mellish R, Schnitzer M, **Nieves J**, Silverberg SJ, Shane E, Kimmel D, Recker RR, Bilezikian J, Lindsay R, Dempster DW. Bone structure in postmenopausal hyperparathyroid, osteoporotic and normal women. *J Bone Miner Res* 1995;10:1393-1399.
21. Cosman F, **Nieves J**, Wilkinson C, Schnering D, Shen V, Lindsay R. Bone density change and biochemical indices of skeletal turnover. *Calcif Tis Int* 1996;58:236-243.
22. Formica C, Cosman F, **Nieves J**, Lindsay R. Reduced bone mass and fat-free mass in patients with multiple sclerosis: Effects of ambulatory status and glucocorticoid use. *Calcif Tis Int* 1997; 61:129-133.
23. Cosman F, Morgan DC, **Nieves JW**, Shen V, Luckey MM, Dempster DW, Lindsay R, Parisien M. Resistance to bone resorbing effects of PTH in black women. *J Bone Min Res* 1997;12:958-966.
24. Parisien M, Cosman F, Morgan D, Schnitzer M, Liang X, **Nieves JW**, Forese L, Luckey M, Meier D, Shen V, Lindsay R, Dempster D. Histomorphometric assessment of bone mass, structure and remodeling: a comparison between healthy black and white premenopausal women. *J Bone Min Res*: 1997;12:948-957.
25. Lindsay R, **Nieves JW**, Formica M, Henneman E, Woelfert L, Shen V, Dempster DW, Cosman F. Parathyroid hormone increases vertebral bone mass and may reduce vertebral fracture incidence in estrogen treated postmenopausal women with osteoporosis. *Lancet*, 1997;350:550-555.
26. ***Nieves JW**, Komar L, Cosman F, Lindsay R. Calcium Potentiates the effect of estrogen and calcitonin on bone: review and analysis. *Am J Clin Nutr*: 67: 18-24; 1998.
27. Cosman F, **Nieves J**, Woelfert L, Shen V, Lindsay R. Alendronate Does Not Block the Anabolic Effect of PTH in Postmenopausal Osteoporotic Women. *J Bone Miner Res* 1998;13: 1051-1055.
28. Breuil V, Cosman F, Stein L, Horbert W, **Nieves J**, Shen V, Lindsay R, Dempster DW. Human Osteoclast Formation and Activity In Vitro: Effects of Alendronate. *J Bone Min Res* 1998; 13:1721-9.
29. Cosman F, **Nieves JW**, Woelfert L, Gordon S, Shen V, Lindsay R. Parathyroid responsivity after treatment with parathyroid hormone for osteoporosis. *J Clin End* 1998; 83:788-790.
30. Formica C, **Nieves JW**, Cosman F, Garrett P, Lindsay R. (1998) Comparative assessment of fracture risk: A study using dual x-ray absorptiometry(DXA) and peripheral quantitative computed tomography (pQCT). *Osteoporosis Intl* 8:460-467.
31. Cosman F, **Nieves J**, Ferrer G, Herbert J, Formica C, Shen S, Lindsay R. Fracture history and bone loss in patients with Multiple Sclerosis. *Neurology* 1998; 1:1161-1165.
32. Cosman F, **Nieves J**, Morgan D, Shen V, Sherwood D, Parisien M, Lindsay R. Parathyroid hormone secretory response to EDTA-induced hypocalcemia in black and white premenopausal women. *Calcif Tissue Int*. 1999 Oct;65(4):257-61.
33. Cosman F, Shen V, Morgan D, Gordon S, Parisien M, **Nieves J**, Lindsay R. Biochemical Response of Bone Metabolism to 1,25(OH)2D administration in black and white women. *Osteoporosis Intl* 2000; 11:271-277.
34. Cosman F, **Nieves J**, Woelfert L, Formica C, Gordon S, Shen V, Lindsay R. Parathyroid Hormone Added to Established Estrogen Therapy: Effects on Vertebral Fracture and Maintenance of Bone Mass After PTH Withdrawal. *J Bone Miner Res* 2001; 16:5:925-931.

35. *Heaney RP, Dawson-Hughes B, Gallagher JC, Marcus R, **Nieves JW**. The role of calcium in peri- and postmenopausal women: consensus opinion of The North American Menopause Society. *J of NAMS Menopause* 2001; 8:2: 84-94.
36. Dempster DW, Cosman F, Kurland ES, Zhou H, **Nieves J**, Woelfert L, Shane E, Plavetic K, Muller R, Bilezikian J, Lindsay R. Effects of Daily Treatment with Parathyroid Hormone on Bone Microarchitecture and Turnover in Patients with Osteoporosis: A Paired Biopsy Study. *J Bone Miner Res* 2001; 16:10: 1846-1853
37. ***Nieves JW**, Cosman F. Osteoporosis: Diagnosis and Treatment in Emergency Medicine. July 2002.
38. Iida-Klein A, Zhou H, Lu SS, Levine L, Ducayen-Knowles M, Dempster DW, **Nieves J**, Lindsay R. Anabolic Action of Parathyroid Hormone is Skeletal Site Specific at the Tissue and Cellular Levels in Mice. *J Bone Miner Res* 2002; 17:5; 808-816
39. Iida-Klein A, Lu SS, Yokoyama K, Dempster DW, **Nieves J**, Lindsay R. Precision accuracy and reproducibility of dual energy X-ray absorptiometry (DXA) measurement in mice in vivo. *J Clinical Densitometry* 2003; 6: 25-33.
40. Cobb KL, Bachrach, LK, Greendale G, Marcus R, Neer R, **Nieves J**, Sowers MF, Brown BW, Gopalakrishnan G, Luetters C, Tanner HK, Ward B, Kelsey JL. Disordered eating, menstrual irregularity, and bone mineral density in female distance runners. *Medicine and Science in Sports and Exercise*. 2003; May;35(5):711-9
41. Vardy MD, Lindsay R, Scotti RJ, Mikhail M, Richart RM, **Nieves J**, Zion M, Cosman F. Short-term urogenital effects of raloxifene, tamoxifen, and estrogen. *Am J Obstet Gynecol*. 2003; Jul;189(1):81-8.
42. Misof BM, Roschger P, Cosman F, Kurland ES, Tesch W, Messmer P, Dempster DW, **Nieves J**, Shane E, Fratzl P, Klaushofer K, Bilezikian J, Lindsay R. Effects of intermittent parathyroid hormone administration on bone mineralization density in iliac crest biopsies from patients with osteoporosis: a paired study before and after treatment. *J Clin Endocrinol Metab*. 2003;88(3):1150-6.
43. Roschger P, Gupta HS, Berzlanovich A, Ittner G, Dempster DW, Fratzl P, Cosman F, Parisien M, Lindsay R, **Nieves JW**, Klaushofer K. Constant mineralization density distribution in cancellous human bone. *Bone*. 2003 Mar;32(3):316-23.
44. ***Nieves, JW**. Calcium and Vitamin D: The Prevention of Osteoporosis and Osteomalacia: Current Developments. *Current Opinions in Orthopaedics* 2004; 15(5):383-388.
45. ***Nieves JW**, Formica C, Shen V, Ruffing J, Lindsay R, Cosman F. Males Have Larger Skeletal Size And Bone Mass Than Females, Despite Comparable Body Size. *J Bone Miner Res* 2005; 20:529-535.
46. Cosman F, Baz-Hecht M, **Nieves JW**, Cushman M, Vardy M, Zion M, Lindsay R. Short Term Effects of Estrogen, Tamoxifen and Raloxifene on Hemostasis: a randomized-controlled study and review of the literature. *Thrombosis Research* 2005; 11:1:1-11.
47. ***Nieves JW**, Zion M, Pahor M, Bernabei R, Gussekloo J, Simon H, Park JS, Li T, Lapuerta P, Williams GR. Evaluation of a Continuous Summary Physical Performance Scores (CSPPS) in an Elderly Cohort. *Aging Clinical and Experimental Research* 2005; 17:193-200.

48. ***Nieves, JW** Osteoporosis: The Role of Micronutrients, *American Journal of Clinical Nutrition* 2005; 81:5(S):1232S-1239S
49. Cosman F, **Nieves JW**, Zion M, Woelfert L, Luckey M, Lindsay R. Daily and Cyclic Parathyroid Hormone in Women Receiving Alendronate. *New Engl J Med* 2005; 353:566-75.
50. Dempster DW, Hughes-Begos CE, Plavetic-Chee K, Brandao-Burch A, Cosman F, Nieves J, Neubort S, Lu SS, Iida-Klein A, Arnett T, Lindsay R. Normal human osteoclasts formed from peripheral blood monocytes express PTH type 1 receptors and are stimulated by PTH in the absence of osteoblasts. *J Cell Biochem* 2005; 1:139-148. PMID: 15723294.
51. *Ruffing JA, Cosman F, Zion M, Tendy S, Garrett P, Lindsay R, **Nieves JW**. Determinants of bone mass and bone size in a large cohort of physically active young adult men. *Nutr Metab* 2006; 3:14.
52. Lindsay R, Cosman F, Zhou H, Bostrom MP, Shen VW, Cruz JD, **Nieves JW**, Dempster DW. A novel tetracycline labeling schedule for longitudinal evaluation of the short-term effects of anabolic therapy with a single iliac crest bone biopsy: early actions of teriparatide. *J Bone Miner Res.* 2006; Mar;21(3):366-73.
53. ***Nieves JW**, Li T, Zion M, Gussekloo J, Pahor M, Bernabei R, Simon H, Williams GR, Lapuerta P. The Clinically Meaningful Change in Physical Performance Scores in an Elderly Cohort Aging Clinical and Experimental Research 2007; 19(6):484-91.
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