

CURRICULUM VITAE

NAME: Bess Dawson-Hughes

ADDRESS: 40 Beacon Street, Boston, MA 02108

PLACE OF BIRTH: Charlottesville, VA

EDUCATION: Randolph-Macon Woman's College, Lynchburg, VA
B.A., Chemistry, 1964

Tufts University School of Medicine, Boston, MA
M.D., 1975

MEMBERSHIPS: Endocrine Society
American Society for Bone and Mineral Research- past Council member
American Society for Clinical Nutrition
International Bone and Mineral Society – past Council Member
National Osteoporosis Foundation – past President and Trustee
International Osteoporosis Foundation – current vice president and Trustee
Board of Directors of the Center for the Advancement of Science in Space (CASIS) – directing research on the International Space Station U.S. National Laboratory – 2012-2016

HONORS: Alpha Omega Alpha
1995 Bolton L. Corson Medal for research from The Franklin Institute
Associate Editor of Journal of Bone and Mineral Research (1995-2003)
Principal Investigator of the NIH Osteoporosis and Related Bone Disease National Resource Center, Washington, D.C.- 2000-2003
Advisory Council of NIAMS (Oct. 2000–2004)
Editorial Board of Bone - current
Editorial Board of Osteoporosis International – current
Editorial Board of Calcified Tissue International - current
2012 President's award from the International Osteoporosis Foundation
2012 HNRCA award for most highly cited peer-reviewed manuscript
2014 NOF Lawrence G. Raisz Memorial Lecture Award
2014 – Thomson Reuters Highly cited scientist (top 1% globally)
2015 – International Institute for Nutrition and Bone Health research award
2017 – Medal of Achievement - International Osteoporosis Foundation

RESEARCH AND PROFESSIONAL EXPERIENCE:

1996 - present Professor of Medicine, Tufts University School of Medicine, Boston, MA.

1995 - present Senior Scientist, Tufts University, Boston, MA

1992 - 1996 Associate Professor of Medicine, Tufts University School of Medicine, Boston, MA

1987 - present Director, Bone Metabolism Laboratory at the Jean Mayer USDA Human Nutrition Research Center on Aging at Tufts University, Boston, MA

1982	Assistant Professor of Medicine, Tufts University School of Medicine, Boston, MA
1982-86	Assistant Medical Officer, USDA Human Nutrition Research Center on Aging at Tufts University, Boston, MA (Metabolic Research Unit)
1981 - 1982	Individual National Research Service Award, Harvard Medical School and Brigham and Women's Hospital, Boston, MA
1978 - 1981	Endocrine Fellowship, Harvard Medical School and Brigham and Women's Hospital
1977 - 1978	Chief Resident in Medicine, St. Elizabeth's Hospital (Tufts)
1976 - 1977	Junior Assistant Resident in Medicine, St. Elizabeth's Hospital (Tufts)
1975 - 1976	Intern in Medicine, St. Elizabeth's Hospital (Tufts)
1966 - 1971	Research Assistant (Dr. John T. Potts, Jr.) at National Institutes of Health (1966-1967) and then at Massachusetts General Hospital (1968-1971)

BOARD CERTIFICATION:

Diplomat, American Board of Internal Medicine

Endocrinology and Metabolism – Board eligible

PUBLICATIONS IN PEER REVIEWED JOURNALS

1. Parsons JA, Dawson BF, Callahan E, Potts JT. A method for the analysis of phosphate and calcium in small samples of plasma by atomic absorption spectrophotometry. *Biochem J.* 1970;119:791-3.
2. Niall H, Keutmann HT, Sauer R, Hogan M, Dawson BF, Aurbach G, Potts JT. Amino acid sequence of bovine parathyroid hormone. *Hoppe-Seyler Z. Physiol Chem* 1970; 351:1586-8.
3. Potts JT, Tregear G, Keutmann HT, Niall H, Sauer R, Deftos L, Dawson BF, Hogan M, Aurbach G. Synthesis of biologically active N-terminal tetratriacontapeptide of parathyroid hormone. *PNAS* 1971; 68:63-7.
4. Keutmann H, Aurbach G, Dawson BF, Niall H, Deftos L, Potts JT. Isolation and characterization of the bovine parathyroid isohormones. *Biochem* 1971;10:2779-87.
5. Keutmann H, Dawson BF, Aurbach G, Potts JT. A biologically active amino-terminal fragment of bovine PTH prepared by dilute acid hydrolysis: *Biochem* 1972;11:1973-79.
6. Keutmann HT, Dawson B, Bishop WH, Ryan RJ. Structure of human luteinizing hormone alpha subunit. *Endo Res Comm* 1978;5:57-70.
7. Moore TJ, Thein-Wai W, Dluhy RG, Dawson-Hughes B, Hollenberg NK, Williams GH. Abnormal adrenal and vascular responses to angiotensin II and an angiotensin antagonist in acromegaly. *J Clin Endocrinol Metab* 1980;51:215-22.

8. Brown EM, Dawson-Hughes BF, Wilson RE, Adragna N. Calmodulin in dispersed human parathyroid cells. *J Clin Endocrinol Metab* 1981;53:1064-71.
9. Dawson-Hughes BF, Moore TJ, Dluhy RG, Podolsky S, Williams GH. Alterations in aldosterone biosynthesis in essential hypertensives. *Circ Res* 1981;49:627-32.
10. Dawson-Hughes BF, Moore TJ, Dluhy RG, Hollenberg NK, Williams G.DH, Plasma angiotensin II concentration regulates vascular but not adrenal responsiveness to restriction of sodium intake in normal man. *Clin Sci* 1981;61:527-34.
11. Brown EM, Dawson-Hughes B. D-1 dopamine receptor-mediated activation of adenylate cyclase, cAMP accumulation and PTH release in dispersed bovine parathyroid cells. In: *Dopamine Receptors*, Kaiser C, Kebejian, JW (eds). 1983.
12. Dawson-Hughes BF, Brown EM, Underwood RH. Ca-ATPase activity in bovine parathyroid cells. *Metabolism*, 1983;32:874-80.
13. Dawson-Hughes BF, Stern D, Goldman J, Reichlin S. Regulation of growth hormone and somatomedin C secretion in postmenopausal women. effect of physiological estrogen replacement. *J Clin Endocrinol Metab* 1986;63:424-32.
14. Dawson-Hughes B, Seligson FH, Hughes VA. Effects of calcium carbonate and hydroxyapatite on zinc and iron retention in postmenopausal women. *Am J Clin Nutr* 1986;44:83-8.
15. Brown EM, Watson EJ, Thatcher JG, Koletsky R, Dawson-Hughes BF, Posillico JT, Shoback DM. Ouabain and low extracellular potassium inhibit PTH secretion from bovine parathyroid cells by a mechanism that does not involve increases in the cytosolic calcium concentration. *Metab* 1987;36:36-42.
16. Mazess RB, Barden HS, Ettinger M, Johnston C, Dawson-Hughes B, Baran D, Powell M, Notelovitz M. Spine and femur density using dual-photon absorptiometry in normal US white women. *Bone and Mineral* 1987;2:211-19.
17. Dawson-Hughes B, Shipp C, Sadowski L, Dallal G. Bone density of the radius, spine and hip in relation to percent of ideal body weight in postmenopausal women. *Calcif Tissue Int* 1987;40:310-4.
18. Dawson-Hughes B, Jacques P, Shipp C. Dietary calcium intake and bone loss from the spine in healthy postmenopausal women. *Am J Clin Nutr* 1987;46:685-7.
19. Shipp CC, Maletskos CJ, Dawson-Hughes B. Measurement of ⁴⁷Calcium retention with a whole-body counter. *Calcif Tissue Int* 1987;41:307-312.
20. Sokoll LJ, Morrow FD, Dawson-Hughes B, Quirbach DM. Intact parathyrin in post-menopausal women. *Clin Chem* 1988;34:407-10.
21. Shipp CC, Berger PS, Deehr MS, Dawson-Hughes B. Precision of dual-photon absorptiometry. *Calcif Tissue Int* 1988;42:287-92.
22. Nelson ME, Meredith CN, Dawson-Hughes B, Evans WJ. Hormone and bone mineral status in endurance-trained and sedentary postmenopausal women. *J Clin Endocrinol Metab* 1988;66:927-33.

23. Dawson-Hughes B, Stern DT, Shipp CC, Rasmussen HM. Effect of lowering dietary calcium intake on fractional whole body calcium retention. *J Clin Endocrinol Metabol* 1988;67:62-8.
24. Sokoll LJ, Dawson-Hughes B. Effect of menopause and aging on serum total and ionized calcium and protein concentrations. *Calcif Tissue Int* 1989;44:181-5.
25. Dawson-Hughes B, Deehr MS, Berger PS, Dallal GE, Sadowski LJ. Correction of the effects of source, source strength, and soft-tissue thickness on spine dual-photon absorptiometry measurements. *Calcif Tissue Int* 1989;44:251-57.
26. Sokoll LJ, Dawson-Hughes B. Relationship between plasma cholesterol and total and ionized calcium concentrations in serum from postmenopausal women. *Clin Chem* 1989;35:328.
27. Li XF, Dawson-Hughes B, Hopkins R, Russell RM, Jee WSS, Bankson D, Li XJ. The effects of chronic vitamin A excess on bone remodeling in aged rats. *Proc Soc Exp Biol Med* 1989;191:103-7.
28. Krall EA, Sahyoun N, Tannenbaum S, Dallal GE, Dawson-Hughes B. Effect of vitamin D intake on seasonal variations in parathyroid hormone secretion in postmenopausal women. *N Engl J Med* 1989;321:1777-83.
29. Deehr MS, Dallal GE, Smith KT, Taulbee JD, Dawson-Hughes B. Effects of different calcium sources on iron absorption in postmenopausal women. *Am J Clin Nutr* 1990;51:95-9.
30. Dawson-Hughes B, Dallal GE. Effect of radiographic abnormalities on rate of bone loss from the spine. *Calcif Tissue Int* 1990;46:280-1.
31. Stall GM, Harris S, Sokoll LJ, Dawson-Hughes B. Accelerated bone loss in hypothyroid patients overtreated with L-thyroxine. *Ann Intern Med*, 1990; 113:265-9.
32. Dawson-Hughes B, Dallal GE, Krall EA, Sadowski L, Sahyoun N, Tannenbaum S. A controlled trial of the effect of calcium supplementation on bone density in post-menopausal women. *N Engl J Med*, 1990; 323:878-83.
33. Krall EA, Dawson-Hughes B. Smoking and bone loss among postmenopausal women. *J Bone Miner Res*, 1991; 6:331-7.
34. Dawson-Hughes B, Harris S, Dallal GE. Serum ionized calcium, as well as phosphorus and parathyroid hormone, is associated with the plasma 1,25-dihydroxyvitamin D₃ concentration in normal postmenopausal women. *J Bone Min Res*, 1991; 6:461-8.
35. Knox TA, Kassarijian Z, Dawson-Hughes B, Golner BB, Dallal GE, Arora S, Russell RM. Calcium absorption in elderly subjects on high- and low-fiber diets: effect of gastric acidity. *Am J Clin Nutr*, 1991; 53:1480-6.
36. Johnson J, Dawson-Hughes B. Precision and stability of dual-energy x-ray absorptiometry measurements. *Calcif Tissue Int*, 1991; 49:174-8.
37. Dawson-Hughes B, Dallal GE, Krall EA, Harris S, Sokoll LJ, Falconer G. Effect of vitamin D supplementation on wintertime and overall bone loss in healthy postmenopausal women. *Ann Intern Med*, 1991; 115:505-12.

38. Krall EA, Dawson-Hughes B. Relation of fractional ^{47}Ca retention to season and rates of bone loss in healthy postmenopausal women. *J Bone Min Res*, 1991; 6:1323-29.
39. Harris S, Dallal GE, Dawson-Hughes B. Influence of body weight on rates of change in bone density of the spine, hip and radius in postmenopausal women. *Calcif Tissue Int*, 1992; 50:19-23.
40. Harris S, Dawson-Hughes B. Rates of change in bone mineral density of the spine, heel, femoral neck, and radius in healthy postmenopausal women. *Bone and Mineral*, 1992; 17:87-95.
41. Dawson-Hughes B, Harris S. Regional changes in body composition by time of year in healthy postmenopausal women. *Am J Clin Nutr*, 1992; 56:307-13.
42. Sokoll LJ, Dawson-Hughes B. Calcium supplementation and plasma ferritin concentrations in premenopausal women. *Am J Clin Nutr*, 1992; 56:1045-8.
43. Johnson EJ, Krall EA, Dawson-Hughes B, Dallal GE, Russell RM. The effect of multivitamins containing vitamin A on retinyl esters and liver function tests in healthy women. *J Am Coll Nutr*, 1992;11:682-6.
44. Krall EA, Dawson-Hughes B. Heritable and lifestyle determinants of bone mineral density. *J Bone Min Res*, 1993;8:1-9.
45. Dawson-Hughes B, Harris S, Kramich C, Dallal G, Rasmussen H. Calcium retention and hormone levels in black and white women on high- and low-calcium diets. *J Bone Min Res*, 1993; 8:779-787.
46. Dawson-Hughes B, Harris S. Thiazides and seasonal bone change in healthy postmenopausal women. *Bone and Mineral*, 1993;21:41-51.
47. Stern D, Zamenhof R, Dawson-Hughes B. Spurious dual energy x-ray absorptiometry images in a patient exposed to the contrast agent thorotrast. *Osteoporosis Int*, 1993;3:283-285.
48. Harris S, Dawson-Hughes B. Seasonal mood changes in 250 normal women. *Psychiatry Research*, 1993; 49:77-87.
49. Salamone LM, Dallal GE, Zantos D, Makrauer F, Dawson-Hughes B. Contributions of vitamin D intake and seasonal sunlight exposure to plasma 25-hydroxyvitamin D concentration in elderly women. *Am J Clin Nutr*, 1993;58:80-86.
50. Krall EA, Dawson-Hughes B. Walking is related to bone density and rates of bone loss. *Am J Med*, 1994; 96:20-26.
51. Salamone LM, Krall EA, Harris S, Dawson-Hughes B. Comparison of broadband ultrasound attenuation to single x-ray absorptiometry measurements at the calcaneus in postmenopausal women. *Calcif Tissue Int* 1994; 54:87-90.
52. Krall EA, Dawson-Hughes B, Papas A, Garcia RI. Tooth loss and skeletal bone density in healthy postmenopausal women. *Osteoporosis Int*, 1994; 4:104-109.
53. Harris S, Dawson-Hughes B. Caffeine and bone loss in postmenopausal women. *Am J Clin Nutr*, 1994; 60:573-578.

54. Roubenoff R, Roubenoff RA, Cannon JG, Kehayias JJ, Zhuang H, Dawson-Hughes B, Dinarello CA, Rosenberg IH. Rheumatoid Cachexia: cytokine-driven hypermetabolism accompanying reduced body cell mass in chronic inflammation. *J Clin Invest*, 1994; 93:2379-86.
55. Harris SS., Wood MJ, Dawson-Hughes B. Bone mineral density of the total body and forearm in premenopausal black and white women. *Bone* 1995; 16:311S-315S.
56. Krall EA, Parry P, Lichter JB, Dawson-Hughes B. Vitamin D receptor alleles and rates of bone loss: influences of years since menopause and calcium intake. *J Bone Min Res*, 1995;10:978-84.
57. Dawson-Hughes B, Harris SS, Krall EA, Dallal GE, Falconer G, Green CL. Rates of bone loss in postmenopausal women randomized to two dosages of vitamin D. *Am J Clin Nutr*, 1995;61:1140-5.
58. Fleet JC, Harris SS, Wood RJ, Dawson-Hughes B. The *Bsm-I* vitamin D receptor restriction fragment length polymorphism (BB) predicts low bone density in premenopausal black and white women. *J Bone Miner Res*, 1995;10:985-990.
59. Kiel DP, Mercier CA, Dawson-Hughes BD, Cali C, Hannan MT, Anderson JJ. The effects of analytic software and scan analysis technique on the comparison of dual-x-ray absorptiometry with dual photon absorptiometry of the hip in the elderly. *J Bone Miner Res*, 1995;10:1130-36.
60. Dawson-Hughes B, Harris SS, Finneran S, Rasmussen H. Calcium absorption responses to calcitriol in black and white premenopausal women. *J Clin Endocrinol Metab*, 1995; 80:3068-72.
61. Booth SL, Sokoll LJ, O'Brien ME, Tucker K, Dawson-Hughes B, Sadowski JA. Assessment of dietary phyloquinone intake and vitamin K status in postmenopausal women. *Europ J Clin Nutr*, 1995; 49:832-41.
62. Dawson-Hughes B, Harris SS, Finneran S. Calcium absorption on high and low calcium intakes in relation to vitamin D receptor genotype. *J Clin Endocrinol Metab*, 1995; 80:3657-61.
63. Krall EA, Dawson-Hughes B. Soft tissue body composition: familial resemblance and independent influences on bone mineral density. *J Bone Miner Res*, 1995; 10:1944-50.
64. Rall LC, Meydani SN, Kehayias JJ, Dawson-Hughes B, Roubenoff R. The effect of progressive resistance training in rheumatoid arthritis: increased strength without changes in energy balance or body composition. *Arthritis & Rheumatism*, 1996; 39:415-26.
65. Prior RL, Crim MC, Castaneda C, Lammi-Keefe C, Dawson-Hughes B, Rosen CJ, Spindler AA. Conditions altering plasma concentrations of urea cycle and other amino acids on elderly human subjects. *J Am Coll Nutr*, 1996; 15:237-47.
66. Dawson-Hughes B, Fowler SE, Dalsky G, Gallagher C. Sodium excretion influences calcium homeostasis in elderly men and women. *J Nutr*, 1996;126:2107-12.
67. Harris SS, Dawson-Hughes B. Weight, body composition and bone density in postmenopausal women. *Calcif Tissue Int*, 1996; 59:428-32.
68. Krall EA, Garcia R, Dawson-Hughes B. Increased risk of tooth loss is related to bone loss at the whole body, hip and spine. *Calcif Tissue Int*. 1996;59:433-7.

69. Dawson-Hughes B, Harris SS, Dallal GE. Plasma calcidiol, season, and serum parathyroid hormone concentrations in healthy elderly men and women. *Am J Clin Nutr.* 1997;65:67-71.
70. Krall EA, Dawson-Hughes B, Hirst K, Gallagher JC, Sherman SS, Dalsky G. Bone mineral density and biochemical markers of bone turnover in healthy elderly men and women. *J Gerontol.* 1997; 52A:M61-7.
71. Harris SS, Eccleshall TR, Gross C, Dawson-Hughes B, and Feldman D. The vitamin D receptor start codon polymorphism (*Fok I*) and bone mineral density in premenopausal American black and white women. *J Bone Miner Res.* 1997;12:1043-48.
72. Krall EA, Dawson-Hughes B, Hannan MT, Wilson AWF, Kiel DP. Postmenopausal estrogen replacement and tooth retention. *Am J Med.* 1997;102:536-42.
73. Dawson-Hughes B, Harris SS, Krall EA, Dallal GE. Effect of calcium and vitamin D supplementation on bone density in men and women 65 years of age or older. *N Engl J Med.* 1997; 337:670-6.
74. Krall EA, Dawson-Hughes B, Garvey AJ, Garcia RI. Smoking, smoking cessation, and tooth loss. *J Dental Res.* 1997;76:1653-9.
75. Gallagher JC, Kinyamu HK, Fowler SE, Dawson-Hughes B, Dalsky GP, Sherman SS. Calcitropic hormones and bone markers in the elderly. *J Bone Miner Res.* 1998;13:475-82.
76. Harris S, Dawson-Hughes B. The association of oral contraceptive use with plasma 25-hydroxyvitamin D levels. *J Am Coll Nutr.* 1998;17 ;282-4.
77. Harris S, Dawson-Hughes B. Seasonal changes in plasma 25-hydroxyvitamin D concentrations of young American black and white women. *Am J Clin Nutr.* 1998;67:1232- 6.
78. Krall EA, Dawson-Hughes, B. Smoking increases bone loss and decreases intestinal calcium absorption. *J Bone Miner Res.* 1999;14:215-20.
79. Lips P, Chapuy MC, Dawson-Hughes, B, Pols HAP, Holick M. An international comparison of serum 25-hydroxyvitamin D measurements. *Osteoporosis Int.* 1999;9: 394-7.
80. Heaney RP, McCarron DA, Dawson-Hughes B, Oparil S, Berga SL, Stern JS, Barr SI, Rosen CJ. Dietary changes favorably affect bone remodeling in older adults. *J Am Diet Assoc.* 1999;99: 1228-33.
81. Harris S, Dawson-Hughes B and Perrone G. Plasma 25-hydroxyvitamin D responses of younger and older men to three weeks of supplementation with 1800 IU/day of vitamin D. *J Am Coll Nutr.* 1999;18:470-4.
82. Ross EM, Rosenberg IH, Dawson-Hughes B, Col NF, Wong JB. Fitting nutrition into the medical model: the role of decision analytic cost-effectiveness techniques. *European Journal of Clinical Nutrition.* 1999;53: S25-S28.
83. Harris SS, Patel MS, Cole DEC, Dawson-Hughes B. Associations of the collagen type 1 α 1 Sp1 polymorphism with five-year rates of bone loss in older adults. *Calcif Tissue Int.* 2000;66:268-71.
84. Barr SI, McCarron DA, Heaney RP, Dawson-Hughes B, Berga S, Stern JS, Oparil S.

- Effects of increased consumption of fluid milk on energy and nutrient intake, body weight and cardiovascular risk factors in healthy older adults. *J Am Dietetic Assn* 2000; 100: 810-17.
85. Booth SL, Tucker KL, Chen H, Hannan MT, Gagnon DR, Cupples LA, Wilson WF, Ordovas J, Schaefer EJ, Dawson-Hughes B, Kiel D. Dietary vitamin K intakes are associated with hip fracture but not with bone mineral density in elderly men and women. *Am J Clin Nutr* 2000;71:1201-8.
 86. Hannan TM, Felson DT, Dawson-Hughes B, Tucker KL, Cupples LA, Wilson PWF, Kiel DP. Risk factors for longitudinal bone loss in elderly men and women: the Framingham osteoporosis study. *J Bone Miner Res* 2000;15:710-720.
 87. Dawson-Hughes B, Harris SS, Krall EA, and Dallal GE. Effect of withdrawal of calcium and vitamin D supplements on bone mass in elderly men and women. *Am J Clin Nutr* 2000; 72: 745-50.
 88. Harris SS, Soteriades E, Coolidge JAS, Mudgal S, Dawson-Hughes B. Vitamin D insufficiency and hyperparathyroidism in a low-income, multiracial, elderly population. *J Clin Endocrinol Metab* 2000; 85: 4125-30.
 89. Hannan TM, Tucker KL, Dawson-Hughes B, Cupples LA, Felson DT, Kiel DP. Effect of dietary protein on bone loss in elderly men and women: the Framingham osteoporosis study. *J Bone and Miner Res* 2000; 15: 2504-12.
 90. Harris SS, Soteriades E, Dawson-Hughes B. Secondary hyperparathyroidism and bone turnover in elderly blacks and whites. *J Clin Endocrinol Metab* 2001; 86:3801-4.
 91. Blum M, Harris SS, Must A, Phillips SM, Rand WM, Dawson-Hughes B. Weight and body mass index at menarche are associated with premenopausal bone mass. *Osteoporos Int* 2001; 12: 588-594.
 92. Krall E, Randall C, Harris SS, Dawson-Hughes B. Calcium and vitamin D supplements reduce tooth loss in the elderly. *Am J Med* 2001; 111: 452-56.
 93. Margiloff L, Harris SS, Lee S, Lechan R, Dawson-Hughes B. Vitamin D insufficiency in both supplemented and unsupplemented ambulatory care patients. *Calcif Tissue Int* 2001; 69: 263-7.
 94. Must A, Phillips SM, Naumova EM, Blum M, Harris S, Dawson-Hughes B, Rand WM. Recall of early menstrual history and menarcheal body size: after 30 years, how well do women remember? *Am J Epidemiol* 2002; 155: 672-9.
 95. Dawson-Hughes B, Harris SS. Calcium intake influences the association of protein intake with rates of bone loss in elderly men and women. *Am J Clin Nutr* 2002; 75: 773-9.
 96. Looker AC, Dawson-Hughes B, Calvo M, Gunter E, Sahyoun N. Serum 25-hydroxyvitamin D status of U.S. adolescents and adults from NHANES III. *Bone* 2002; 30: 771-7.
 97. Kanis JA, Black D, Cooper C, Dargent P, Dawson-Hughes B, De Laet C, Delmas P, Eisman J, Johnell O, Jonsson B, Melton L, Oden A, Papapoulos S, Pols H, Rizzoli R, Silman A, Tenenhouse A. A new approach to the development of assessment guidelines for osteoporosis. *Osteoporos Int* 2002; 13: 527-36.
 98. Dawson-Hughes B, Harris SS, Dallal GE, Lancaster DR, Zhou Q. Calcium supplement and bone medication use in a U.S. Medicare Health Maintenance Organization. *Osteoporos Int* 2002; 13: 657-62.

99. Blum M, Harris SS, Must A, Phillips SM, Rand WM, Dawson-Hughes B. Household tobacco smoke exposure is negatively associated with premenopausal bone mass. *Osteoporos Int* 2002; 13: 663-8.
100. Harris SS, Dawson-Hughes B. Plasma vitamin D responses of young and old men to supplementation with 20 µg of vitamin D₃. *J Am Coll Nutr* 2002; 21: 357-62.
101. Karasik D, Rosen CJ, Hannan MT, Broe KE, Dawson-Hughes B, Gagnon DR, Wilson PWF, Visser M, Langlois JA, Mohan S, Kiel DP. Insulin-like growth factor binding proteins 4 and 5 and bone mineral density in elderly men and women. *Calcif Tissue Int* 2002; 71: 323-8.
102. Booth SL, Broe KE, Gagnon DR, Tucker KL, Hannan MT, McLean RR, Dawson-Hughes B, Wilson PWF, Cupples LA, Kiel DP. Vitamin K intake and bone mineral density in women and men. *Am J Clin Nutr* 2003; 77: 512-6.
103. Bairos LM, Dawson-Hughes B, Roubenoff R. Bias in DXA instruments. *Int J Body Comp Res* 2003; 1: 17-22.
104. Solomon DH, Connelly M, Rosen C, Dawson-Hughes B, Kiel DP, Greenspan SL, Leib ES, Holick M, Miguel AH, Finklestein JS. Factors related to the use of bone densitometry: survey responses of 494 primary care physicians in New England. *Osteoporos Int* 2003; 14: 123-9.
105. Blum M, Harris SS, Must A, Naumova EN, Phillips SM, Rand WM, Dawson-Hughes B. Leptin, body composition and bone mineral density in premenopausal women. *Calcif Tissue Int* 2003; 73: 27-32. PMID: 14506951
106. White J, Harris SS, Dallal GE, Dawson-Hughes B. Precision of single versus bilateral hip bone mineral density scans. *J Clin Densitom* 2003; 6: 159-62. PMID: 12794238
107. Dawson-Hughes B, Harris SS, Rasmussen H, Song L, Dallal G. Effect of dietary protein supplements on calcium excretion in healthy older men and women. *J Clin Endocrinol Metab* 2004; 89: 1169-73. PMC Journal – In Process
108. Bischoff-Ferrari HA, Dietrich T, Orav EJ, Dawson-Hughes B. Positive association between 25-hydroxyvitamin D levels and bone mineral density: a population-based study of younger and older adults. *Am J Med* 2004; 116: 634-9. PMID: 15093761
109. Bischoff-Ferrari HA, Dawson-Hughes B, Willett WC, Staehlin HB, Bazemore MG, Zee RY, Wong JB. Effect of vitamin D on falls – A meta-analysis. *JAMA* 2004; 291:1999-2006. PMID: 15113819
110. Pro-Risquez, A, Harris SS, Song L, Rudicel S, Barnewolt B, Dawson-Hughes B. Calcium supplement and osteoporosis medication use in women and men with recent fractures. *Osteoporos Int* 2004; 15: 689-694. PMID: 15205892
111. Dietrich T, Joshipura KJ, Dawson-Hughes B, Bischoff HA. The association between serum concentrations of 25-hydroxyvitamin D₃ and periodontal disease in the US population. *Am J Clin Nutr* 2004; 80: 108-13. PMC Journal – In Process
112. Bischoff HA, Dietrich T, Orav EJ, Hu FB, Zhang Y, Karlson WE, Dawson-Hughes B. Higher 25-hydroxyvitamin D levels are associated with better lower extremity function in both active and inactive adults 60+ years of age. *Am J Clin Nutr* 2004; 80: 752-8.

113. Booth SL, Broe KE, Peterson JW, Cheng D, Dawson-Hughes B, Gundberg CM, Cupples LA, Wilson, PWF, Kiel DP. Associations between vitamin K biochemical measures and bone mineral density in men and women. *J Clin Endocrinol Metab* 2004; 89: 4904-4909.
114. Vazquez E, Song L, Dawson-Hughes B. Precision of bone mineral density scans at the proximal tibia in osteoarthritic and normal subjects. *J Clin Densitom* 2004; 7: 364-367. PMID: 15618595
115. Goussous R, Song L, Dallal G, Dawson-Hughes B. Lack of effect of calcium intake on the 25-hydroxyvitamin D response to oral vitamin D3. *J Clin Endocrinol Metab* 2005; 90: 707-711.
116. Bischoff-Ferrari H, Willett WC, Wong JB, Giovannucci E, Dietrich T, Dawson-Hughes B. Fracture prevention with vitamin D supplementation: A meta-analysis of randomized controlled trials. *JAMA* 2005; 293: 2257-2264. PMID: 15886381
117. Must A, Naumova E, Phillips S, Blum M, Dawson-Hughes B, Rand W. Childhood overweight and maturational timing in the development of adult overweight and fatness: The Newton Girls Study and its Follow-Up. *Pediatrics* 2005; 116: 620-627. PMID: 16099850
118. Dietrich T, Nunn M, Bischoff-Ferrari H, Dawson-Hughes B. The association between serum concentrations of 25-hydroxyvitamin D₃ and gingival inflammation. *Am J Clin Nutr* 2005; 82: 575-80.
119. Pittas A, Dawson-Hughes B, Li T, Van Dam R, Willett W, Manson J, Hu F. Vitamin D and calcium intake in relation to type 2 diabetes in women. *Diabetes Care* 2006; 29(3): 650-656. PMC Journal – In Process
120. Bischoff-Ferrari H, Orav JE, Dawson-Hughes B. Effect of cholecalciferol plus calcium on falling in ambulatory older men and women: a 3-year randomized controlled trial. *Arch Intern Med* 2006; 166: 424-430. PMID: 16505262
121. Jajoo R, Song L, Rasmussen H, Dawson-Hughes B. Dietary acid-base balance, bone resorption and calcium excretion. *J Am Coll Nutr* 2006; 25(3):224-30. PMID: 16766781
122. Bischoff-Ferrari HA, Giovannucci E, Willett WC, Dietrich T, Dawson-Hughes B. Estimation of optimal serum concentrations of 25-hydroxyvitamin D for multiple health outcomes. *Am J Clin Nutr* 2006; 84(1):18-28. PMC Journal – In Process
123. O'Donnell CJ, Price PA, Shea K, Gagnon DR, Wilson PWF, Larson MG, Kiel DP, Hoffman U, Ferencik M, Clouse ME, Williamson MK, Cupples LA, Dawson-Hughes B, Booth S. Matrix Gla Protein is Associated with Risk Factors Atherosclerosis but not with Coronary Artery Calcification. *ATVB* 2006; 26:2769-2774. PMC2562549
124. Burge RT, Dawson-Hughes B, Solomon D, Wong JB, King AB, Tosteson A. Incidence and economic burden of osteoporotic fractures in the United States, 2005-2025. *J Bone Miner Res* 2007; 22(3):465-475. PMCID: PMC Journal – In Process, PMID: 17144789
125. Pittas A, Harris SS, Stark PC, Dawson-Hughes B. The effects of combined vitamin D and calcium supplementation on glycemia, insulin resistance and systemic inflammation in non-diabetic adults age 65 and older. *Diabetes Care* 2007; 30(4):980-986. PMCID: PMC Journal – In Process
126. Dawson-Hughes B, Harris SS, Rasmussen HM, Dallal GE. Comparative effects of oral aromatic and branched-chain amino acids on urine calcium excretion in humans. *Osteoporos Int* 2007; 18:955-961. PMCID: PMID 17252311

127. Bischoff-Ferrari HA, Dawson-Hughes B, Baron JA, Burckhardt P, Li F, Spiegelman D, Specker B, Orav JE, Wong JB, Staehelin HB, O'Reilly E, Kiel DP, Willett WC. Calcium intake and risk of hip fracture in men and women: a meta-analysis of prospective cohort studies and randomized controlled trials. *Am J Clin Nutr* 2007;86:1788-1790. PMID: PMC Journal – In Process
128. Harris SS, Dawson-Hughes B. Reduced Sun Exposure Does Not Explain the Inverse Association of 25-Hydroxyvitamin D with Percent Body Fat in Older Adults. *J Clin Endocrinol Metab* 2007; 92:3155-3157. PMID: PMC Journal – In Process
129. Pittas AG, Lau J, Hu F, Dawson-Hughes B. The role of vitamin D and calcium in type 2 diabetes. A systematic review and meta-analysis. *J Clin Endocrinol Metab* 2007;92:2017-2029. PMID: PMC2085234
130. Dawson-Hughes B, Chen P, Krege JH. Response to teriparatide in patients with baseline 25-hydroxyvitamin D insufficiency or sufficiency. *J Clin Endocrinol Metab* 2007; 92: 4630-4636. PMID: PMC Journal – In Process
131. Blum M, Dallal G, Dawson-Hughes B. Body size and serum 25 hydroxy vitamin D response to oral supplements in healthy older adults. *J Am Coll Nutr* 2008; 27: 274-279. PMID: PMC2729752
132. Shea MK, Booth SL, Massaro JM, Jacques PF, D'Agostino RB, Dawson-Hughes B, Ordovas JM, O'Donnell CJ, Kathiresan S, Keaney JF, Vasan RS, Benjamin EJ. Vitamin K and Vitamin D Status: Associations with Inflammatory Markers in the Framingham Offspring Study. *Am J of Epidemiol* 2008; 167:313-320. PMID: PMC Journal – In Process
133. Dawson-Hughes B, Harris SS, Ceglia L. Alkaline diets favor lean tissue mass in older adults. *Am J Clin Nutr* 2008; 87:662-665. PMID: PMC2597402
134. Bischoff-Ferrari HA, Can U, Staehelin HB, Platz A, Henschkowski J, Gerber I, Michel BA, Dawson-Hughes B, Theiler R. Severe vitamin D deficiency in Swiss hip fracture patients. *Bone* 2008;42:597-602. PMID: PMC Journal – In Process, PMID: 18180211
135. Dawson-Hughes B, Tosteson ANA, Melton III, LJ, Baim S, Favus MJ, Khosla S, Lindsay RL. Implications of absolute fracture risk assessment for osteoporosis practice guidelines in the U.S. *Osteoporosis Int* 2008;19:449-458. PMID: PMC Journal – In Process, PMID: 18292975
136. Tosteson ANA, Melton III LJ, Dawson-Hughes B, Baim S, Favus MJ, Khosla S, Lindsay R. Cost-effectiveness Osteoporosis Treatment Thresholds: The United States Perspective from the National Osteoporosis Foundation Guide Committee. *Osteoporosis Int* 2008;19:437-447. PMID: PMC2729707
137. Booth SL, Dallal G, Shea MK, Gundberg C, Peterson JW, Dawson-Hughes B. Effect of Vitamin K Supplementation on Bone Loss in Elderly Men and Women. *J Clin Endocrinol Metab* 2008;93:1217-1223. PMID: PMC2291488
138. Blum M, Dolnikowski G, Seyoum E, Harris SS, Booth SL, Peterson J, Saltzman E, Dawson-Hughes B. Vitamin D₃ in fat tissue. *Endocrine* 2008;33:90-94. PMID: PMC2839878
139. Shea MK, Dallal GE, Dawson-Hughes B, Ordovas JM, O'Donnell CJ, Gundberg CM, Peterson JW, Booth SL. Vitamin K, Circulating Cytokines, and Bone Mineral Density in Older Men and Women. *Am J Clin Nutr* 2008;88:356–63. PMID: PMC2532855

140. Bischoff-Ferrari HA, Orav EJ, Dawson-Hughes B. Additive benefit of higher testosterone levels and vitamin D plus calcium supplementation in regard to fall risk reduction among older men and women. *Osteoporos Int* 2008; 19:1307–1314. PMID: PMC2680613
141. Yoshida M, Jacques P, Meigs J, Saltzman E, Shea K, Gundberg C, Dawson-Hughes B, Dallal G, Booth S. Effect of vitamin K supplementation on insulin resistance in older men and women. *Diabetes Care* 2008; 31(11):2092-6. PMID: PMC2571052.
142. Shea MK, Benjamin EJ, Dupuis J, Massaro JM, Jacques PF, D'Agostino RB, Ordovas JM, O'Donnell CJ, Dawson-Hughes B, Vasan RS, Booth SL. Genetic and non-genetic correlates of vitamin K and D. *European J Clin Nutr* 2009;63:458-464. PMID: PMC2681093
143. Ceglia L, Harris SS, Rasmussen HM, Dawson-Hughes. Activation of the calcium sensing receptor stimulates serum gastrin and gastric acid secretion in healthy subjects. *Osteoporosis Int* 2009; 20:71-78. PMID: PMC2716662
144. Dawson-Hughes B, Harris SS, Palermo N, Castenada Sceppa C, Rasmussen HM, Dallal GE. Treatment with Potassium Bicarbonate Lowers Calcium Excretion and Bone Resorption in older Men and Women. *J Clin Endocrinol Metab* 2009;94: 96-102. PMID: PMC2630872
145. Pittas AG, Harris SS, Eliades M, Dawson-Hughes B. Association between serum osteocalcin and markers of metabolic phenotype. *J Clin Endocrinol Metab* 2009; 94:827-832, 2009. PMID: PMC2681283
146. King, A.B., Tosteson, A.N., Wong J.B., Solomon D.H., Burge, R.T., Dawson-Hughes, B. Inter-state Variation in the Burden of Fragility Fractures. *J Bone Miner Res* 2009; 24:681-692. (Not NIH-Funded)
147. Ceglia L, Harris SS, Abrams S, Rasmussen H, Dallal GE, Dawson-Hughes B. Potassium Bicarbonate (KHCO₃) attenuates the urinary nitrogen excretion that accompanies an increase in dietary protein and may promote calcium absorption. *J Clin Endocrinol Metab* 2009; 94:645-53. PMID: PMC2730228
148. Bischoff-Ferrari H, Kiel DP, Dawson-Hughes B, Orav JE, Li R, Spiegelman D, Dietrich T, Willett WC. Dietary calcium and serum 25-hydroxyvitamin D status in relation to bone mineral density among U.S. adults. *J Bone Miner Res* 2009; 24:935-942. PMID: PMC Journal - In Process.
149. Shea KM, O'Donnell CJ, Hoffmann U, Dallal GE, Dawson-Hughes B, Price PA, Williamson MK, Booth SL. Vitamin K Supplementation and Progression of Coronary Artery Calcium in Older Men and Women: A randomized, controlled trial. *Am J Clin Nutr* 2009;89:1799-1807. PMID: PMC2682995
150. Crosier MD, Peter I, Booth SL, Bennett G, Dawson-Hughes B, Ordovas JM. Association of sequence variations in vitamin K epoxide reductase and γ -glutamyl carboxylase genes with biochemical measures of vitamin DK status. *J Nutr Sci Vitaminol* 2009; 55(2):112-9. PMID: PMC2761647
151. Buell JS, Scott T, Dawson-Hughes B, Dallal G, Rosenberg I, Folstein M, Tucker KL. Vitamin D is associated with cognitive function in elders receiving home health services. *J Gerontol A Biol Sci Med Sci* 2009;64A:888-895. PMID: PMC2981461.
152. Ceglia L, Abrams S, Harris SS, Rasmussen H, Dallal GE, Dawson-Hughes B. Evaluation of an inexpensive method of assessing calcium absorption in healthy older men and women. *Clin*

- Endocrinol 2009; accepted article e-pub ahead of print; doi: 10.1111/j.1365-2265.2009.03576.x. Clin Endocrinol 2010;72:22-25. PMID: 19320650
153. Bischoff-Ferrari HA, Dawson-Hughes B, Staelin HB, Orav JE, Stuck AE, Theiler R, Wong JB, Egli A, Henschkowski J. Fall prevention with supplemental and alpha-hydroxylated vitamin D: a meta-analysis of randomized controlled trials. *BMJ* 2009;339:b3692. PMID: 19320650
154. Pitroda AP, Harris SS, Dawson-Hughes B. The association of adiposity with parathyroid hormone in healthy older adults. *Endocrine* 2009;36:218-223. PMID: 19320650
155. Ettinger B, Black D, Dawson-Hughes B, Pressman AR, Melton III LJ. Updated fracture incidence rates for the US version of FRAX®. *Osteoporosis Int* 2010; 21:25-33. PMID: 19320650
156. Kanis JA, Johansson H, Oden A, Dawson-Hughes B, Melton LJ, McCloskey EV. The effects of a FRAX® revision for the US. *Osteoporosis Int* 2010;21:35-40. PMID: 19705047
157. Ceglia L, Abrams SA, Harris SS, Rasmussen HM, Dallal GE, Dawson-Hughes B. A simple serum method to measure fractional calcium absorption using dual stable isotopes. *Experimental and Clinical Endocrinology and Diabetes*. *Exp Clin Endocrinol Diabetes* 2010;118:653-6. PMID: 19856249
158. Buell JS, Dawson-Hughes B, Scott TM, Weiner DE, Dallal GE, Qui WQ, Bergethon P, Rosenberg IH, Folstein MF, Patz S, Bhadelia RA, Tucker KL. 25-Hydroxyvitamin D, dementia, and cerebrovascular pathology in elders receiving home services. *Neurology* 2010;74:18-26. PMID: 20809024
159. Dawson-Hughes B, Looker AC, Tosteson ANA, Johansson H, Kanis JA, Melton LJ. The potential impact of new National Osteoporosis Foundation guidance on treatment patterns. *Osteoporosis Int* 2010; 21:41-52. PMID: 19705046
160. Dawson-Hughes B, Castaneda-Sceppa C, Harris SS, Palermo NJ, Cloutier G, Ceglia L, Dallal GE. Impact of supplementation with bicarbonate on lower-extremity muscle performance in older men and women. *Osteoporosis Int* 2010;21:1171-1179. PMID: 20888724
161. Bischoff-Ferrari HA, Dawson-Hughes B, Platz A, Orav EJ, Stähelin HB, Willett WC, Can U, Egli A, Mueller N, Looser S, Bretscher B, Minder E, Michel BA, Vergopoulos A, Theiler R. Effect of extended physiotherapy and high-dose vitamin D on complications after hip fracture: a randomized controlled trial. *Archiv of Int Med* 2010;170:813-820.
162. Durazo-Arvizu, RA, Dawson-Hughes B, Sempos CT, Yetley EA, Looker AC, Cao G, Harris SS, Burt VL, Carriquiry AL, Picciano MF. Three-Phase Model Harmonizes Estimates of the Maximal Suppression of Parathyroid Hormone by 25-Hydroxyvitamin D in Persons 65 Years of Age and Older. *J Nutr* 2010 Mar; 140(3): 595-9. PMID: 202821888.
163. Harris SS and Dawson-Hughes B. No effect of bicarbonate treatment on insulin sensitivity and glucose control in non-diabetic older adults. *Endocrine* 2010; 38(2):221-6. PMID: 203059747
164. Shea MK, Booth SL, Gundberg C, Peterson JW, Waddell C, Dawson-Hughes B, Saltzman E. Adulthood Obesity Is Positively Associated with Adipose Tissue Concentrations of Vitamin K and Inversely Associated with Circulating Indicators of Vitamin K Status in Men and Women. *J Nutr* 2010;140: 1029-1034. PMID: 203059747

165. Peter I, Crosier MD, Yoshida M, Booth SL, Cupples LA, Dawson-Hughes B, Karasik D, Kiel DP, Zhaohui L, Ordovas JM, Trikalinos TA. Associations of APOE gene polymorphisms with bone mineral density and fracture risk: a meta-analysis. *Osteoporos Int*. 2011 Apr;22(4):1199-209. PMID: 20533025
166. Bischoff-Ferrari HA, Shao A, Dawson-Hughes B, Hathcock J, Giovannucci E, Willett WC. Benefit-risk assessment of vitamin D supplementation. *Osteoporos Int* 2010;21:1121-1132. PMID: 19957164
167. Ceglia L, Morais, SM, Park LK, Morris E, Harris SS, Bischoff-Ferrari H, Fielding RA, Dawson-Hughes B. Multi-step immunofluorescent analysis of vitamin D receptor loci and myosin heavy chain isoforms in human skeletal muscle. *J Mol Hist* 2010;41:137-142. PMID: 238596
168. Pittas AG, Qi S, Manson J, Dawson-Hughes B, Hu F. Plasma 25-Hydroxyvitamin D Concentration and Risk of Incident Type 2 Diabetes in Women. *Diabetes Care* 2010; 33:2021-2024. PMID: 2928356.
169. Looker AC, Dawson-Hughes B, Tosteston ANA, Johansson H, Kanis JA, Melton LJ. Hip fracture risk in older US adults by treatment eligibility status based on new National Osteoporosis Foundation guidance. *Osteoporos Int* 2011; 22:541-9.
170. Bischoff-Ferrari HA, Dawson-Hughes B, Baron JA, Kanis J, Orav EJ, Staehelin HB, Kiel DP, Burckhardt P, Henschkowski J, Spiegelman D, Li R, Wong JB, Willett WC. Milk Intake and Risk of Hip Fracture in Men and Women: A Meta-Analysis of Prospective Cohort Studies. *J Bone Miner Res* 2011;26:833-839 PMID: 22833025
171. Bhupathiraju SN, Lichtenstein AH, Dawson-Hughes B, Tucker KL. Adherence index based on the American Heart Association 2006 Diet and Lifestyle Recommendations: Development and associations with CVD risk factors. *J Nutr*. 2011;141(3):460-9. PMID: 3040903.
172. Mitri J, Dawson-Hughes B, Hu, Frank, Pittas AG. Effects of vitamin D and calcium supplementation on pancreatic beta cell function, insulin sensitivity and glycemia in adults at high risk for diabetes. The CaDDM Randomized Controlled Trial. *Am J Clin Nutr* 2011; 94: 2 486-494. PMID: 3142723.
173. Dawson-Hughes B, Looker AC, Tosteson ANA, Johansson H, Kanis JA, Melton LJ. The potential impact of the National Osteoporosis Foundation guidance on treatment eligibility in the U.S.: an update in NHANES 2005-2008. *Osteoporosis International* 2012;23:811-820.
174. Niramitmahapanya S, Harris S, Dawson-Hughes B. Type of dietary fat is associated with the 25-hydroxyvitamin D₃ increment in response to vitamin D supplementation. *J Clin Endocrinol Metab*. 2011; 96:3170-4. PMID: 3200243.
175. Bhupathiraju SN, Dawson-Hughes B, Hannan MT, Lichtenstein AH, Tucker KL. Centrally located body fat is associated with lower bone mineral density in Puerto Rican older adults. *Am J Clin Nutr* 2011; 94:1063-1070. PMID: 3173024.
176. Bischoff-Ferrari HA, Dawson-Hughes B, Stöcklin E, Sidelnikov E, Willett WC, Orav EJ, Stähelin HB, Wolfram S, Jetter A, Schwager J, Henschkowski J, Egli A. Oral supplementation with 25(OH)D versus vitamin D₃: effects on 25(OH)D levels, lower extremity function, blood pressure and markers of immunity. *J Bone Miner Res* 2011; doi: 10.1002/jbmr.551.
177. Pittas AG, Nelson J, Mitri J, Hillman W, Garganta C, Nathan DM, Hu FB, Dawson-Hughes B. Plasma 25-hydroxyvitamin D and progression to diabetes in patients at risk for diabetes: an

- ancillary analysis in the Diabetes Prevention Program. *Diabetes Care* 2011; 35: 565-573. PMID: PMC3322702.
178. Pelajo CF, Lopez-Benitez JM, Kent DM, Price LL, Miller LC, Dawson-Hughes B. 25-hydroxyvitamin D levels and Juvenile Idiopathic Arthritis: is there an Association with Disease Activity? *Rheumatology International* 2012; 32: 3923-3929.
179. Cosman F, Dawson-Hughes B, Xiachai W, Krege, JH. Changes in vitamin D metabolites during teriparatide treatment. *Bone* 2012;50:1368-1371.
180. Elder S, Roberts SB, McCrory MA, Das SK, Fuss PJ, Pittas AG, Greenberg AS, Heymsfield SB, Dawson-Hughes B, Bouchard TJ, Saltzman E, Neale MC. Effect of Body Composition Methodology on Heritability Estimation of Body Fatness. *The Open Nutrition Journal* 2012; 6:48-58.
181. Looker AC, Borrud LG, Dawson-Hughes B, Shepherd JA, Wright, NC. Osteoporosis and low bone mass at the femur neck or lumbar spine in older adults: United States, 2005–2008. NCHS data brief no 93. Hyattsville, MD: National Center for Health Statistics. 2012.
182. Bischoff-Ferrari HA, Willett WC, Orav EJ, Lips P, Meunier PJ, Lyons RA, Flicker L, Wark J, Jackson RD, Cauley J.A., Meyer HE, Pfeifer M, Sanders KM, Staehelin HB, Theiler R, Dawson-Hughes B. A pooled analysis to define vitamin D dose requirements for fracture prevention in seniors. *NEJM* 2012; 367: 40-49.
183. Schaller F, Sidelnikov E, Theiler R, Egli A, Staehelin HB, Dick W, Dawson-Hughes B, Grob D, Platz A, Can U, Bischoff-Ferrari HA. Mild to moderate impairment is a major risk factor for mortality and nursing home admission in the first year after hip fracture. *Bone* 2012;51:347-352.
184. Wahl DA, Pierroz DD, Stenmark J, Cooper C, Ebeling PR, Eggersdorfer M, Stöcklin E, Eggersdorfer M, Stöcklin E, Hilger J, and Hoffmann K, Josse R, Mithal A, Kanis JA, Dawson-Hughes B. A global representation of vitamin D status in healthy populations. *Archives of Osteoporosis* 2012; DOI: 10.1007/s11657-012-0093-0
185. McAlindon T, LaValley M, Schneider E, Nuite M, Lee JY, Price LL, Lo G, Dawson-Hughes B. Effect of vitamin D supplementation on progression of knee pain and cartilage volume loss in patients with symptomatic osteoarthritis. A randomized controlled trial. *JAMA* 2013;309(2):155-162.
186. Joo N-S, Dawson-Hughes B, Kim Y-S, Oh K, Yeum K-J. Impact of calcium and vitamin D insufficiencies on serum parathyroid hormone and bone mineral density: analysis of the fourth and fifth Korea National Health and Nutrition Examination Survey (KNHANES IV-e, 2009 and V-1, 2010); *J Bone Miner Res* 2013;28:764-770.
187. Dawson-Hughes B, Harris SS, Palermo NJ, Ceglia L, Rasmussen H. Meal conditions affect the absorption of supplemental vitamin D₃ but not the plasma 25-hydroxyvitamin D response to supplementation. *J Bone Miner Res* 2013;28:1778-1783.
188. Ceglia L, Niramitmahapanya S, Price LL, Harris SS, Dawson-Hughes B. An evaluation of the reliability of muscle fiber cross-sectional area and fiber number measurements in rat skeletal muscle. *Biological Procedures Online*. 2013: 15:1-6. PMID: PMC3599694.
189. Jetter A, Egli A, Dawson-Hughes B, Staehelin HB, Stocklin E, Gossli R, Henschkowski J, Bischoff-Ferrari HA. Pharmacokinetics of oral vitamin D₃ and 25-hydroxyvitamin D₃. *Bone* 2013; submitted.

190. Maier S, Sidelnikov E, Dawson-Hughes B, Egli A, Theiler R, Platz A, Staehelin HB, Simmen H-P, Meier C, Dick W, Grob D, von Eckardstein A, Bischoff-Ferrari HA. Before and after hip fracture, vitamin D deficiency may not be treated sufficiently. *OI* 2013; 24:2765-73.
191. Joo N-S, Dawson-Hughes B, Yeum K-J. 25-Hydroxyvitamin D, calcium intake and bone mineral content in adolescents and young adults: Analysis of the Fourth and Fifth Korea National Health and Nutrition Examination Survey (KNHANES IV-2,3, 2008-2009 and V-1, 2010). *J Clin Endocrinol Metab* 2013: doi:10.1210/jc.2013-1480.
192. Sempos CT, Durazo-Arvizu RA, Dawson-Hughes B, Yetley EA, Looker AC, Schleicher RL, Fuichan C, Burt V, Kramer H, Bailey RL, Dwyer JT, Zhang C, Wigler J, Rovner AJ, Coates PM, Picciano MF. Is there a Reverse J-shaped Association between 25-Hydroxyvitamin D and All-Cause Mortality? Results from the US Nationally Representative NHANES. *J Clin Endocrinol Metab* 2013; 98:3001-3009. PMID: PMC370127.
193. Bhupathiraju SN, Lichtenstein AH, Dawson-Hughes B, Hannan MT, Tucker KL. Adherence to the 2006 American Heart Association Diet and Lifestyle Recommendations for cardiovascular disease risk reduction is associated with bone health in older Puerto Ricans. *Am J Clin Nutr* 2013; 98:1309-16. PMID: PMC3798082.
194. Ceglia L, Liu BC, Rivas DA, Price LL, Harris SS, Smith D, Fielding RA, Dawson-Hughes B. Effects of alkali on muscle in older rats. *Endocrine* 2013; in press.
195. Finsterwald M, Sidelnikov E, Orav EJ, Dawson-Hughes B, Theiler R, Egli A, Platz A, Simmen HP, Meier C, Grob D, Beck S, Stähelin HB, Bischoff-Ferrari HA. Gender-specific hip fracture risk in community-dwelling and institutionalized seniors age 65 years and older. *Osteoporos Int* 2013; 24: 2765-2773.
196. Mitri J, Nelson J, Ruthazer R, Garganta C, Nathan DM, Hu F, Dawson-Hughes B, Pittas AG. Plasma 25-hydroxyvitamin D and risk of metabolic syndrome: an ancillary analysis in the Diabetes Prevention Program. *European J Clin Nutr* 2013; in press.
197. Lee, J. Y., Harvey, W. F., Price, L. L., Paulus, J. K., Dawson-Hughes, B. and McAlindon, T. E. (2013), Relationship of bone mineral density to progression of knee osteoarthritis. *Arthritis & Rheumatism*, 65: 1541–1546. doi: 10.1002/art.37926
198. Ceglia L, Niramithmahapanya S, Morais M, Rivas DA, Harris S, Bischoff-Ferrari H, Fielding RA, Dawson-Hughes B. The effect of vitamin D₃ supplementation on skeletal muscle morphology and vitamin D receptor expression in older women. *J Clin Endocrinol Metab* 2013; 98:E1927-1935.
199. Dawson-Hughes B, Harris SS, Ceglia L, Palermo NJ. Serum sclerostin levels vary with season. *J Clin Endocrinol Metab* 2013: doi:10.1210/jc.2013-3148.
200. Rizzoli R, Dawson-Hughes B, Kaufman JM, Fardellone P, Brandi ML, Vellas B, Collette J, Reginster J. Correction of vitamin D insufficiency with combined strontium ranelate and vitamin D₃ in osteoporotic patients. *European J Endocrinol* 2014;170:441-450.
201. Dawson-Hughes B, Harris SS, Ceglia L, Palermo NJ. Effect of supplemental vitamin D and calcium on serum sclerostin levels. *European J Endocrinol* 2014; 170(4): 645-50.
202. Wright NC, Looker AC, Saag KG, Curtis JR, Delzell ES, Randall, S, Dawson-Hughes B. The recent prevalence of osteoporosis and low bone mass in the United States based on bone mineral density at the femoral neck or lumbar spine. *J Bone Miner Res* 2014;29:2520-2526.

203. Pittas AG, Dawson-Hughes B, Sheehan P, Rosen C, Ware JH, Knowler WC, Staten M. Rationale and design of the Vitamin D and Type 2 Diabetes (D2d) Study: A Diabetes Prevention Trial. *Diabetes Care* 2014;2014;37:1-8.
204. Pojednic RM, Ceglia L, Gustafsson T, Olsson K, Lichtenstein AH, Dawson-Hughes B, Fielding RA. Skeletal muscle vitamin D receptor increases with vitamin D. *Calcif Tissue Int* 2015; 96(3):256-63.
205. Harris SS, Dawson-Hughes B. Effects of hydration and calcium supplementation on urine calcium concentration in healthy postmenopausal women. *J Am Coll Nutr* 2015; 34: 340-346.
206. Dawson-Hughes B, Harris SS, Lichtenstein AH, Dolnikowski G, Palermo NJ, Rasmussen H. Dietary fat increases vitamin-D absorption. *J Acad Nutr Diet* 2015;115:225-230.
207. Dawson-Hughes B, Harris SS, Palermo NJ, Gilhooly CH, Shea MK, Fielding RA, Ceglia L. Potassium bicarbonate supplementation lowers bone turnover and calcium excretion in older men and women: a randomized dose-finding trial. *J Bone Miner Res* 2015; 30:2103-2111. PMID 4817273.
208. Bischoff-Ferrari HA, Orav JE, Kanis JA, Rizzoli R, Schögl M, Staehelin HB, Willett WC, Dawson-Hughes B. Comparative performance of current definitions of sarcopenia against the prospective incidence of falls among community-dwelling seniors age 65 and older. *Osteoporosis Int* 2015; 26:2793-2802.
209. Pojednic RM, Ceglia L, Lichtenstein AH, Dawson-Hughes B, Fielding RA. Vitamin D receptor protein, but not serum 25-hydroxyvitamin D, is associated with interleukin-6 in human skeletal muscle. *Endocrine* 2015; 49:512-520.
210. Saleh L, Sidelnikov E, Mueller D, Spanaus K, Egli A, Dawson-Hughes B, von Eckardstein A, Bischoff-Ferrari H. A comparison of six 25-hydroxy vitamin D assays in the assessment of vitamin D deficiency and response to treatment. *J Clin Chem* 2014: submitted.
211. Ceglia L, Nelson J, Ware J, Alysandratos K-D, Bray GA, Garganta C, Nathan DM, Hu FB, Dawson-Hughes B, Pittas AG. Association between body weight and composition and plasma 25-hydroxyvitamin D concentration in the Diabetes Prevention Program randomized controlled trial. *Europ J Nutr* 2017; 56:161-170.
212. Meyer O, Dawson-Hughes B, Sidelnikov E, Egli A, Orav EJ, Staehelin HB, Theile G, Kressig RW, Bosshard G, Simmen HP, Theiler R, Bischoff-Ferrari HA. Calcifediol versus vitamin D₃ effects on gait speed and trunk sway in young postmenopausal women: a double-blind randomized controlled trial. *Osteoporosis Int* 2015; 26:373-381.
213. Niu J, Sahni S, Liao S, Tucker KL, Dawson-Hughes B, Gao X. Association between sleep duration, insomnia symptoms and bone mineral density in older Puerto Rican adults. *PLoS One* 2015;Jul 6;10(7):e0132342. doi: 10.1371/journal.pone.0132342.
214. Bischoff-Ferrari HA, Dawson-Hughes B, Orav EJ, Stäehelin HB, Meyer O, Theiler R, Dick W, Willett WC, Egli A. Effect of monthly high dose vitamin D on functional decline and falls: a double-blind randomized controlled trial. *JAMA Int Med* 2016; 176:175-183.
215. Weaver CM, Alexander DD, Boushey CJ, Dawson-Hughes B, Lappe JM, LeBoff MS, Looker AC, Wallace TC. Calcium plus Vitamin D Supplementation and Risk of Fractures: An Updated Meta-Analysis from the National Osteoporosis Foundation. *Osteoporosis Int* 2016; 27: 367-376.

- 216 Alzaman N, Dawson-Hughes B, Nelson J, D'Alessio, D, Pittas AG. Vitamin D status of black and white Americans and changes in vitamin D metabolites after varied doses of vitamin D supplementation. *Am J Clin Nutr* 2016; 104(1):205-14.
- 217 Noel SE, Arevalo S, Smith CE, Chao-Qiang L, Dawson-Hughes B, Ordovas JM, Tucker KL. Genetic admixture and body composition in Puerto Rican adults from the Boston Puerto Rican Osteoporosis Study. *J Bone Miner Res* 2017; 35(4): 448–455.
- 218 Shea MK, Gilhooly CH, Dawson-Hughes B. Dietary contributors to net endogenous acid production in older adults. *European J Clinical Nutr* 2017;71:420-424.
- 219 Wright NC, Saag KG, Dawson-Hughes B, Khosla S, Siris, ES. The Impact of the New NBHA Diagnostic Criteria on the Prevalence of Osteoporosis in the United States. *Osteoporosis Int* 2017;28:1225-1232.
- 220 Bischoff-Ferrari HA, Fischer K, Orav JE, Dawson-Hughes B, Meyer U, Chocano-Bedoya PO, Meyer OW, Ernst R, Schietzel S, Stähelin HB, Freystätter G, Roas S, Theiler R, Egli A, Wilson NM. Statin use lowers 25(OH)D response to vitamin D treatment. *J Am Geriatric Soc* 2017; 65:1267-1273.
- 221 Shea MK, Dawson-Hughes B, Gundberg CM, Booth SL. Reducing undercarboxylated (glu)-osteocalcin with vitamin K supplementation does not promote lean tissue loss or fat gain over three years in older women and men: a randomized controlled trial. *J Bone Miner Res* 2017; 32(2):243-249.
222. Durazo-Arvizu RA, Dawson-Hughes B, Looker AC, Kramer H, Taylor CL, Cao G, Johnson CL, Burt V, Merkel J, Coates PM, Sempos CT. The “J-Shaped” Association Between Serum Total 25-hydroxyvitamin D and All-Cause Mortality: The Impact of Assay Standardization. *Am J Epidemiol* 2017: DOI: 10.1093/aje/kww244.
223. Margolis LM, Dawson-Hughes B, Rivas DA, Ezzyat Y, Fielding RA, Ceglia L. Effects of Potassium Bicarbonate Supplements on Circulating microRNA Expression. *J Endo Soc* 2017;1:1015-1026.
224. Morris MC, Wang Y, Barnes LL, Bennett DA, Dawson-Hughes B, Booth S L. Nutrients and Bioactives in Green Leafy Vegetables and Cognitive Decline: Prospective Study. *Neurology* 2017: DOI:10.1212/WNL.0000000000004815
225. Faure AM, Fischer K, Dawson-Hughes B, Bischoff-Ferrari HA. Gender-specific association between dietary acid load and total lean body mass and its dependency on protein intake in seniors. *Osteoporos Int* 2017;28(12):3451-3462.
226. Ceglia L, Dawson-Hughes B. Increasing alkali supplementation decreases urinary nitrogen excretion when adjusted for same day nitrogen intake. *Osteoporosis Int* 2017; 28:3355–3359.
227. Shea MK and Dawson-Hughes B. Association of urinary citrate with acid-base status, bone resorption, and calcium excretion in older men and women. *J Clin Endocrinol Metab* doi.org/10.12/jc.2017-10778.
228. Balk EM, Adam GP, Langberg VN, Earley A, Clark P, Ebeling PR, Mithal A, Rizzoli R, Zerbin CAF, Pierroz DD, Dawson-Hughes B. Global Dietary Calcium Intake Among Adults: A Systematic Review. *Osteoporosis Int* 2017;28:3315–3324.

229. Noel SE, Mangano KM, Griffith JL, Wright NC, Dawson-Hughes B, Tucker KL. Prevalence of osteoporosis and low bone mass among Puerto Rican older adults. *J Bone Mineral Res* 2017: (epub Oct 2017) doi: 10.1002/jbmr.3315.
230. Dawson-Hughes B, Shea MK, Ceglia L, Plaut AG. Proton pump inhibitor use increases bone resorption independent of any effect on acid-base status. *Osteoporosis Int* 2017: submitted.
231. Nardi M, Fischer K, Dawson-Hughes B, Orav EJ, Meyer OW, Meyer U, Beck S, Simmen, H-P, Pape, Egli H, Willett WC, Theiler R, Bischoff-Ferrari H. Impact of caregiver role on short and long-term functional recovery after hip fracture: a prospective study. *JAMDA* 2018;19: 122-129.
232. Margolis LM, Ceglia L, Rivas DA, Dawson-Hughes B, Fielding RA. Pilot study examining the influence of potassium bicarbonate supplementation on nitrogen balance and whole-body protein turnover following short-term energy restriction in older men. *Nutrients* 2018: submitted.
234. Teister C, Chocano-Bedoya P, Orav EJ, Dawson-Hughes B, Meyer U, Meyer OW, Freystaetter G, Gagesch M, Rizzoli R, Egli A, Theiler R, Kanis J, Bischoff-Ferrari HA. Which fall ascertainment method captures most falls in pre-frail and frail seniors? *Am J Epidemiol* 2017: submitted.
235. Angellotti E, D'Alessio, DD, Dawson-Hughes B, Nelson J, Robert M, Cohen RM, Gastaldelli A, Pittas AG. Vitamin D Supplementation in Patients with Type 2 Diabetes: The Vitamin D for established type 2 diabetes (DDM2) Study. *J Endo Soc* 2018: submitted.

CHAPTERS, MONOGRAPHS, REVIEWS

1. Potts JT, Niall H, Keutmann HT, Tregear G, Sauer R, Hogan M, Dawson BF, Aurbach G. Chemistry of parathyroid hormone. In: *Cellular Mechanisms of Calcium Transfer and Homeostasis*, Nichols and Wasserman (eds), 1970.
2. Dawson-Hughes BF, Crantz FR. Management of renovascular hypertension. In: *Infection control and urological care*. 5:18-19, 1980.
3. Russell RM, Krasinski SD, Dawson-Hughes B. Indices of fat-soluble vitamin states. In: *Clinical Nutrition (Manual of Clinical Nutrition Supplement)*. 3:161-68, 1984.
4. Dawson-Hughes B. Vitamin charts no. 2: vitamin D. *Nutritional Supports Services*, 5:51, 1985.
5. Dawson-Hughes B. Osteoporosis and Aging: Gastrointestinal Aspects. *J Am Coll Nutr* 5:393-8, 1986.
6. Dawson-Hughes B, Li XF. Role of nutrition and exercise in the prevention of osteoporosis. *Geriatrics* 42:76-83, 1987.
7. Dawson-Hughes B. Calcium intake and bone loss. *Nutrition Reviews* 46:123-125, 1988.
8. Dawson-Hughes B. Metabolic Bone Disease. pp. 256-258. In: *Current therapy in gastroenterology and liver disease*, Bayliss, T.M. (ed); B.C. Decker, Ontario, Can., 1989.
9. Dawson-Hughes B, Krall EA, Dallal GE. pp. 295-302. Calcium and bone loss in postmenopausal women. In: *Osteoporosis - physiologic basis, assessment, and treatment: Proceedings of the Nineteenth Steenbock Symposium*, Madison, WI. Deluca HF, Mazess R, eds. Elsevier, 1990.

10. Krall EA, Sahyoun N, Tannenbaum S, Dallal GE, Dawson-Hughes B. Effect of vitamin D intake on seasonal variations in parathyroid hormone secretion in postmenopausal women. *Menopause Digest* 4:20-22, 1990.
11. Deehr MS, Dallal GE, Smith KT, Taulbee JD, Dawson-Hughes B. Effects of different calcium sources on iron absorption in postmenopausal women. In: *Menopause Digest* 5:11-13, 1990.
12. Dawson-Hughes B. Effect of L-Thyroxine on Bone Mass (Letter to the Editor). *Ann Intern Med*, 1991; 114:339-40.
13. Dawson-Hughes B. Calcium Intake and Bone Loss. In: *The Osteoporosis Report*. National Osteoporosis Foundation. 7:4,1991.
14. Dawson-Hughes B. Calcium supplementation and bone loss: a review of controlled clinical trials. In: *Am J Clin Nutr*. 1991;54:S247-281.
15. Dawson-Hughes B. Effects of calcium intake on calcium retention and bone density in postmenopausal women, pp 331-45. In: *Nutritional Aspects of Osteoporosis: Sero Symposia Publications Vol 85*, Burckhardt, P, Heaney R, (eds.) Raven Press, New York, 1991.
16. Dawson-Hughes B. Calcium. In: *Nutrition in the Elderly. The Boston Nutritional Status Survey*, Hartz SC, Rosenberg IH, Russell RM, eds. Eldred Smith-Gordon Publishers, United Kingdom, pp. 151-5, 1992.
17. Dawson-Hughes B, Dallal G, Krall EA. Letter to the Editor. *Ann Intern Med*, 116:775, 1992.
18. Dawson-Hughes B. Calcium and vitamin D supplementation in postmenopausal women: a critical appraisal, pp 85-97. *Osteoporose Pour une prevention nutritionnelle du risque?* Sachet P, ed. CERIN, Paris, 1992.
19. Dawson-Hughes B. Prevention of Osteoporosis. In: *Randolph-Macon Women's College Alumnae Bulletin*. Alumnae Association (ed), Lynchburg Virginia, 1993; 86:12.
20. Dawson-Hughes B. Calcium and vitamin D in the prevention of bone loss. pp. 100-102. In: *Osteoporosis 1993: Proceedings of the Fourth International Symposium on Osteoporosis*, Christiansen C and Riis B, (eds) Handelstrykkeriet Aalborg Aps, Aalborg, Denmark.
21. Krall EA, Dawson-Hughes B. Osteoporosis. pp. 1559-68. In: *Modern nutrition in health and disease* (8th edition), Shils ME, Olson JA, Shike M, (eds) Lea and Febiger, Philadelphia, PA, 1993.
22. Dawson-Hughes B, Krall EA, Harris S. Risk factors for bone loss in postmenopausal women. *Osteoporosis Int* 1993;suppl 1:S27-31.
23. Roubenoff R, Kehayias JJ, Dawson-Hughes B, Heymsfield SB. Use of dual energy x-ray absorptiometry in body composition studies: not yet a gold standard. *Am J Clin Nutr* 1993; 53:589-91.
24. Dawson-Hughes B. Regulation of parathyroid hormone by dietary calcium and vitamin D. pp. 55-64 In: *The Parathyroids. Basic and Clinical Concepts*, Bilezikian JP, Marcus R, Levine MA (eds.) Raven Press New York, 1994.

25. Dawson-Hughes B. Nutrition, exercise and life-style factors that affect bone health. pp. 99-116 In: Nutrition in the '90s, volume 2, Kotsonis FN, Mackey MA (eds) Marcel Dekker, Inc, New York, 1994.
26. Dawson-Hughes B. Metabolic bone disease. pp. 282-285. In: Current Therapy in Gastroenterology and Liver Disease, 4th edition, Bayless TM (ed.) Mosby-Year book, Inc, Philadelphia, PA, 1994.
27. Dawson-Hughes B. Overview of calcium and vitamin D metabolism. pp. 252-264. In: Nutritional Assessment of Elderly Populations: Measure and Function, Rosenberg I. (ed); Raven Press, N.Y., N.Y., 1995.
28. Dawson-Hughes B. Vitamin D intake and supplementation in the elderly. pp. 317-323. In: Challenges in Modern Medicine, Vol 7, Nutritional Aspects of Osteoporosis. Burckhardt P, Heaney RP, (eds.) Ares-Serono symposia Publications, Rome, Italy, 1995.
29. Dawson-Hughes B. Prevention. pp. 335-350. In: Osteoporosis - Etiology, Diagnosis, and Management, 2nd edition, Riggs BL, Melton LJ (eds.) Raven Press, New York, 1995.
30. Dawson-Hughes B. Besoins calciques aux different ages de la vie: influence de la vitamin D. pp. 16-18. In Insufficiencies Calcique at Vitaminique D. JAMA (Supplement a 1st edition Francaise); number 11, 1995.
31. Dawson-Hughes B. Vitamin D. pp.1357-1358 In: Cecil Textbook of Medicine, 20th edition, Bennett JC, Plum F (eds.) W.B. Saunders Co, Philadelphia, PA, 1996.
32. Dawson-Hughes B. The role of calcium in the treatment of osteoporosis. pp. 1159-1168. In: Osteoporosis. Marcus R, Feldman D, Kelsey J (eds.) Academic Press, San Diego, CA, 1996.
33. Dawson-Hughes B. Calcium and vitamin D nutritional needs of elderly women. J Nutr; 126/4(Suppl):S1165-S1167, 1996.
34. Dawson-Hughes B. Calcium supply: a lifelong problem. pp. 17-24. In: Osteoporotic Fractures in the Elderly. Clinical Management and Prevention. Ringe JD and Meunier JP (eds.) Thieme Verlag, Stuttgart, Germany, 1996.
35. Dawson-Hughes B. Calcium insufficiency and fracture risk. Osteoporosis International. 6 (Suppl 3):37-41, 1996.
36. Dawson-Hughes B. Calcium, vitamin D and vitamin D metabolites. pp. 299- 303. In: Osteoporosis '96. Proceedings World Congress on Osteoporosis Amsterdam, The Netherlands, 18-23 May, 1996. Papaloulos, SE, Lips P, Pols HAP, Johnston CC, Delmas PD (eds.) Elsevier Sciences B.V., Amsterdam, The Netherlands, 1996.
37. Dawson-Hughes, B. Calcium and vitamin D nutrition in the elderly. pp 281-288. In: Nutritional Aspects of Osteoporosis . Serno Symposia USA Series. Burckhardt P, Dawson-Hughes, B, Heaney RP (eds). Springer-Verlag New York, Inc., 1998.
38. Krall EA and Dawson-Hughes B. Osteoporosis. In: Modern nutrition in health and disease (9th ed). Shils ME, Olson JA, Shike M, Ross C (eds.) William and Wilkins, Baltimore, MD. 1998:1353-1364.
39. Eddy DM, Johnston CC, Cummings SR, Dawson-Hughes B, Lindsay R, Melton LJ, Slemenda CW. Osteoporosis: review of the evidence for prevention, diagnosis and treatment and cost-effectiveness analysis. Osteoporosis International, 1998;8:(Suppl 4)S7-S88.

40. Dawson-Hughes, B. Osteoporosis treatment and the calcium requirement. *Am J Clin Nutr.* 1998;67:5-6.
41. Dawson-Hughes, B. Calcium and Vitamin D: Intervention Trials. pp 12-16. In: Proceedings of the S.I.G.G. 43rd Congresso Nazionale della Societa Italiana di Gerontologia e Geriatria. Florence, Italy, November 14, 1998.
42. Dawson-Hughes, B. Vitamin D and Calcium: Recommended Intake for Bone Health. *Osteoporosis Int* 1998; suppl. 8:S30-S34.
43. Dawson-Hughes, B. Calcium, vitamin D, and risk of osteoporosis in adults: essential information for the clinician. *Nutr Clin Care* 1998;1:63-70.
44. Krall EA, Dawson-Hughes B, Hannan MT, Kiel DP. Postmenopausal estrogen replacement and tooth retention. *Compendium.* 1998;19: (Suppl 22)S17-S22.
45. Dawson-Hughes B. Calcium and vitamin D nutrition. In: *Osteoporosis in men.* Orwoll E (ed.) Academic Press, San Diego, CA. 1999;1: 197-209.
46. Dawson-Hughes B. Calcium, Vitamin D, and Bone Metabolism. In: *Osteoporotic Syndrome*, 4th ed. Avioli, LV (ed). Academic Press, San Diego, CA. 2000;4:91-99.
47. Dawson-Hughes B. Pharmacologic treatment of osteoporosis. *Primer on metabolic bone diseases and disorders of mineral metabolism.* Society of Bone and Mineral Research. Favus MJ (ed). Lippincott and Raven, New York, NY. 1999;4th ed, 283-8.
48. Dawson-Hughes B. Vitamin D. pp.1389-1391 In: *Cecil Textbook of Medicine*, 21st ed. Bennett JC, Goldman L (eds.) W.B. Saunders Co, Philadelphia, PA, 1999.
49. Genant HK, Cooper C, Poor G, Reid I, Ehrlich G, Kanis J, Nordin BEC, Barrett-Connor E, Black D, Bonjour JP, Dawson-Hughes B, et al. Interim report and recommendations of the World Health Organization Task-Force for osteoporosis. *Osteoporos Int* 1999;10:259-264.
50. Dawson-Hughes B, Harris SS. Definition of the optimal 25OHD status for bone. *Vitamin D endocrine system: structural, biological, genetic and clinical aspects.* Norman A, Bouillon R, Thomasset M (eds). University of California, Riverside, CA 2000; 44: 909-915.
51. Heaney RP, Abrams S, Dawson-Hughes B, Looker A, Marcus R, Matkovic V, Weaver C. Peak Bone Mass. *Osteoporos Int* 2000 11:985-1009.
52. 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. *Journal of North American Menopause Society* 2001; 8: 84-95.
53. Dawson-Hughes B. Editorial: Bone loss accompanying medical therapies. *N Eng J Med* 2001; 345: 989-991.
54. Dawson-Hughes B. The role of calcium in the treatment of osteoporosis. In: *Osteoporosis*, Volume II, 2nd edition. Marcus R, Feldman D, Kelsey J (eds.) Academic Press, San Diego, CA, 2001: 545-552.

55. Dawson-Hughes B. Calcium intake and human health: the history. In: First Course on Nutrition and Physical Activities for Bone and Health. Brandi, ML (ed). Univ. of Florence, Florence, Italy, 2001.
56. Dawson-Hughes B. Calcium and Osteoporosis. Alternative Therapies in Women's Health. Fugh-Berman, A (ed). American Health Consultants, 2001.
57. Dawson-Hughes B. Osteoporosis. In: Present Knowledge in Nutrition, 8th edition. Russell RM, Bowman B (eds.) International Life Sciences Institute, Washington, D.C. 2001: 564-72.
58. Dawson-Hughes B. Impact of Vitamin D and Calcium on Bone and Mineral Metabolism in Older Adults. In: Biologic Effects of Light 2001. Holick MF (ed). Kluwer Academic Publishers, Boston, MA, 2002: 175-83.
59. Dawson-Hughes B. Optimal vitamin D₃ status for bone health. Proceedings of the 15th Bone Forum Symposium for Nippon Roche K.K. Nippon Roche K.K., Tokyo, Japan 2002: 33-55.
60. Dawson-Hughes B, Canalis E, Miller PD, Feld S, Watts NB. Osteoporosis and fracture prevention/reduction. Therapeutic monitoring, efficacy, and outcomes. In: Medical Crossfire. Juchniewicz JJD (ed). Liberty Communications Network, Inc. East Windsor, NJ, 2002: 1-15.
61. Dawson-Hughes B. Interaction of dietary calcium and protein in bone health. J Nutr 2003; 133:852S-854S.
62. Dawson-Hughes B, Canalis E, Gass M, Schiff I, Watts NB. Fracture prevention and osteoporosis: building on current efforts to promote bone health. In: Medical Crossfire. Juchniewicz JJD (ed). Liberty Communications Network, Inc. East Windsor, NJ, 2003: 1-17.
63. Dawson-Hughes B. Calcium and protein in bone health. In: Proceedings of the Nutrition Society. Goldberg GR (ed). CABI Publishing. London, UK, Vol. 62, 2003: 505-9.
64. Dawson-Hughes B. Role of calcium in reducing postmenopausal bone loss and in fracture prevention. In: Nutritional Aspects of Bone Health. New S, Bonjour J-P (eds). Leatherhead Publishing. Surrey, UK, 2003; 145-156.
65. Dawson-Hughes B. Calcium and Vitamin D. In: Primer on the metabolic bone diseases and disorders of mineral metabolism, 5th ed: The American Society for Bone and Mineral Research. Favus MJ (ed). Lippincott Williams & Wilkins, Philadelphia, PA. 2003; 349-52.
66. Dawson-Hughes B. Calcium and Vitamin D for Bone Health in Adults. In: Nutrition and Bone Health. Holick M, Dawson-Hughes B (eds). Humana Press. Totowa, NJ, 2004; 197-210.
67. Dawson-Hughes B. Dietary protein and the skeleton. In: Nutritional aspects of osteoporosis. Burckhardt P, Dawson-Hughes B, Heaney RP (eds). Elsevier, Inc., San Diego, CA. 2004; 2nd edition; 399-409.
68. Bischoff HA, Dawson-Hughes B. Defining optimal 25-hydroxyvitamin D levels in younger and older adults based on hip bone mineral density. In: Nutritional aspects of osteoporosis, 2nd edition. Burckhardt P, Dawson-Hughes B, Heaney RP (eds). Elsevier, Inc., San Diego, CA. 2004; 235-244.

69. Dawson-Hughes B, Heaney RP, Holick M, Lips P, Meunier P, Vieth R. Vitamin D round table. In: Nutritional aspects of osteoporosis, 2nd edition. Burckhardt P, Dawson-Hughes B, Heaney R (eds). Elsevier, Inc., San Diego, 2004; 263-270.
70. Dawson-Hughes B. Racial/Ethnic considerations in making recommendations for vitamin D for adult and elderly men and women. From: Proceedings of NIH Vitamin D Conference – October 10, 2003. Am J Clin Nutr 2004; 80 (Supp): 1763S-6S
71. Bonner, Jr FJ, Chesnut III, CH, Lindsay R, Dawson-Hughes B. Osteoporosis. In: Physical Medical and Rehabilitation: Principals and Practice, 4th edition. DeLisa J (ed). Lippincott, Williams & Wilkins Publications, Philadelphia, 2004; Vol 1: 699-719.
72. Dawson-Hughes B. Contributing author of Surgeon General’s Report on Osteoporosis and Bone Health. McGowan, Raisz, Noonan, and Elderkin (eds). U.S. Department of Health and Human Services, Public Health Service, Office of the Surgeon General, Rockville, Md., 2004.
73. Dawson-Hughes B, Heaney RP, Holick M, Lips P, Meunier P, Vieth R. 2005 Estimates of optimal vitamin D status. Osteoporos Int 16: 713-716.
74. Dawson-Hughes B. The role of vitamin D in fracture prevention. (On-line) BoneKEy-Osteovision. 2005 April;2(4) ; 6-10.
75. Dawson-Hughes B. Calcium and vitamin D. In: Bone and Mineral Manual, 2nd edition. Kleerekoper M, Siris ES, McClung M (eds). Elsevier Inc., San Diego, 2005:93-96.
76. Dawson-Hughes B. Calcium throughout the life cycle – the later years. In: Calcium in Human Health. Weaver C, Heaney RP (eds). Humana Press, Inc., Totowa, NJ, 2005: 371-385.
77. Dawson-Hughes B. How important is vitamin D for bone health? A clinical scientist’s perspective. Endocrine News. Endocrine Society Press, Chevy Chase, MD, 2005 Aug-Sept; 13-15.
78. Dawson-Hughes B. Editorial: Sato shines a light on sunshine. BoneKEy- Osteovision. 2005 December; 2(12):39-41.
79. Dawson-Hughes B. Introduction. In: Improving Compliance and Persistence with Osteoporosis Therapies. Am J Med 2006 April; 119 (Supp 4A): 1S-2S.
80. Dawson-Hughes B. Letter to editor concerning Women’s Health Initiative. N Engl J Med, 2006 May; 354(21):2286.
81. Dawson-Hughes B. Bone Appétit: The role of food and nutrition in building and maintaining strong bones. In: Invest in your bones – an International Osteoporosis Foundation publication. International Osteoporosis Foundation, Nyon, Switzerland, 2006.
82. Dawson-Hughes B. Osteoporosis. In: Modern Nutrition in Health Disease, 10th edition. Shils ME (ed). Lippincott, Williams & Wilkins Publications, Philadelphia, 2006.
83. Dawson-Hughes B. Protein intake and calcium absorption – Potential role of the calcium sensing receptor. In: Nutritional aspects of osteoporosis 2006. International Congress Series 1297. Burckhardt P, Heaney RP, Dawson-Hughes B (eds). Elsevier, Inc., San Diego, CA. 2007;217-227.

84. Vieth R, Bischoff-Ferrari H, Boucher BJ, Dawson-Hughes B, Garland CF, Heaney RP, Holick MF, Hollis BW, Norman AW, Scragg R, Whiting SJ, Willett WC, Zittermann A. Editorial: The urgent need to recommend an intake of vitamin D that is effective. *Am J Clin Nutr* 2007; 85:649-650.
85. Pittas AG, Dawson-Hughes B. The Effects of Calcium and Vitamin D Supplementation on Blood Glucose and Markers of Inflammation in Non-diabetic Adults. Response to Tournis and Mitrakou. *Diabetes Care* 2007; 30(7):
86. Seeman E, Compston J, Adachi J, Brandi ML, Cooper C, Dawson-Hughes B, Jönsson B, Pols H, Cramer JA. Non-compliance: the Achilles heel of anti-fracture efficacy. *Osteoporosis Int* 2007; 18:711-19.
87. Dawson-Hughes B, Bischoff-Ferrari H. Therapy of Osteoporosis with Calcium and Vitamin D. *J Bone Miner Res* 2007;22:V59-63.
88. Bischoff-Ferrari H, Dawson-Hughes B. Where do we stand on vitamin D? *Bone* 2007;41(1):S13-S19.
89. Dawson-Hughes B. Treatment of vitamin D deficient states. In: UpToDate, Rose, BD (Ed), UpToDate, Waltham, MA, 2007.
90. Dawson-Hughes B. Serum 25-hydroxyvitamin D and functional outcomes in the elderly. From: Proceedings of NIH Vitamin D Conference September 4-5, 2007 – Vitamin D and Health in the 21st century. *Am J Clin Nutr* 2008; tapraid4/ajc-ajcn/ajc/ajcn/ajc00808/ajc2648d08g.
91. Dawson-Hughes B. Calcium and Vitamin D. In: Primer on the metabolic bone diseases and disorders of mineral metabolism, 7th ed: The American Society for Bone and Mineral Research. Rosen C (ed). Published by: ASBMR, Washington, DC. 2008; 231-233.
92. Dawson-Hughes B. 2008. Commentary: A revised Clinician's Guide to the Prevention and Treatment of Osteoporosis. *J Clin Endocrinol Metab*:2008;93:2463-2465.
93. Buell JS and Dawson-Hughes B. Vitamin D and neurocognitive dysfunction: preventing "D"ecline? In: *Molecular Aspects of Medicine* 2008;29:415-422. PMC2829975
94. Mithal A, Wahl DA, Bonjour JP, Burckhardt P, Dawson-Hughes B, Eisman J, El-Hajj Fuleihan G, Josse R, Lips P, Morales-Torres J. Global vitamin D status and determinants of hypovitaminosis D. *Osteoporosis Int* 2009;20:1821. DOI 10.1007/s00198-009-0954-6.
95. Dawson-Hughes B. Acid base balance, bone and muscle. In: *Nutritional Aspects of Osteoporosis 2009*. International Congress Series 1297. Burckhardt P, Dawson-Hughes B, Weaver C (eds). Springer-Verlag 2010;173-179.
96. Bischoff-Ferrari H and Dawson-Hughes B. Vitamin D and Muscle. In: *Nutritional Aspects of Osteoporosis 2009*. International Congress Series 1297. Burckhardt P, Dawson-Hughes B, Weaver C (eds). Springer-Verlag 2010:9-13.
97. Bischoff-Ferrari H, Shao A, Dawson-Hughes B, Hathcock J., Giovannucci E, Willett W. Benefit – risk assessment of vitamin D supplementation. *Osteoporosis Int* 2010;21:1121-1132.
98. Pittas AG and Dawson-Hughes B. Vitamin D and Diabetes. *J Steroid Biochem Molec Biol* 2010;121:425-429.

99. Dawson-Hughes B, Harris SS. High Dose Vitamin D Supplementation: Too much of a Good Thing? JAMA 2010;303:1861-2.
100. Dawson-Hughes B, Mithal A, Bonjour J-P, Boonen S, Burckhardt P, El-Hajj Fuleihan G, Josse RG, Lips P, Morales-Torres J, Yoshimura N. IOF Position Statement: Vitamin D Recommendations for Older Adults. Osteoporosis Int 2010; 21:1151-1154.
101. Dawson-Hughes B, Harris SS. High-dose vitamin D supplementation: Too much of a good thing? Letter to editor. JAMA 2010;303:1861-2.
102. Dawson-Hughes B. Calcium – The heart of the matter. Letter to the editor. BMJ 2010;341:c4993.
103. Dawson-Hughes B and Harris S. In reply. Letter to the editor JAMA 2010;304:856-857.
104. Bischoff-Ferrari H, Dawson-Hughes B, Whiting, SJ. Letter to the editor. Vitamin D supplementation and fracture risk. Arch Int Med 2011;171:265.
105. Pittas AG and Dawson-Hughes B. The role of vitamin D in type 2 diabetes and hypertension. In: Vitamin D. third edition. Feldman D, Pike W, and Adams J (eds). Elsevier, Press, San Diego, CA. 2011 October: 1907-1930.
106. Bischoff-Ferrari HA, Willett WC, Orav JE, Kiel DP, Dawson-Hughes B. Fall prevention with vitamin D. BMJ 2011;342:d2608.
107. Dawson-Hughes B. Relevance of vitamin D deficiency in adult bone and muscle health. In: Vitamin D. third edition. Feldman D, Pike W, and Adams J (eds). Elsevier, Press, San Diego, CA. 2011 October: 1145-1153.
108. Hans DB, Kanis JA, Baim S, Bilezikian JP, Binkley N, Cauley JA, Compston JE, Cooper C, Dawson-Hughes B, El-Hajj Fuleihan G, Leslie WE, Lewiecki EM, Luckey MM, McCloskey EV, Papapoulos SE, Poiana C, Rizzoli R, on behalf of the FRAX - Position Development Conference Members. Joint Official Positions of the International Society for Clinical Densitometry and International Osteoporosis Foundation on FRAX - Executive Summary of the 2010 Position Development Conference on Interpretation and Use of FRAX in Clinical Practice. *J Clin Densitometry* 2011; DOI: [10.1016/j.jocd.2011.05.007](https://doi.org/10.1016/j.jocd.2011.05.007).
109. Kanis JA, Hans D, Cooper C, Baim S, Bilezikian JP, Binkley N, Cauley JA, Compston JE, Dawson-Hughes B, El-Hajj Fuleihan G, Johansson H, Leslie WD, Lewiecki EM, Luckey M, Oden A, Papapoulos SE, Poiana C, Rizzoli R, Wahl DA, McCloskey EV, and Task Force of the FRAX Initiative. Position Paper: Interpretation and use of FRAX in clinical practice. *Osteoporos Int* 2011;22:2395–2411.
110. Dawson-Hughes B. Serum 25-hydroxyvitamin D and Muscle Atrophy in the Elderly. *Proceedings in the Nutrition Society* 2012; 71:46-49.
111. Wahl DA, Cooper C, Ebeling PR, Eggersdorfer M, Hilger J, Hoffmann K, Josse R, Kanis JA, Mithal A, Pierroz DD, Stenmark J, Stöcklin E, Dawson-Hughes B. A global representation of vitamin D status in healthy populations. *Arch Osteoporos.* 2012;7(1-2):155-72.
112. Mithal A, Bonjour J-P, Boonen S, Burckhardt P, Degens H, El-Hajj Fuleihan, G, Josse R, Lips P, Morales-Torres J, Rizzoli R, Wahl D, Cooper c, Dawson-Hughes B. Impact of nutrition on muscle strength and performance in older adults. *Osteoporosis International* 2012; DOI [10.1007/s00198-2012-2518-2](https://doi.org/10.1007/s00198-2012-2518-2)

012-2236-y.

113. Dawson-Hughes B. What is the optimal dietary intake of vitamin D for fracture risk reduction? *Calcif Tiss Int* 2013; 92:184-190.
114. Dawson-Hughes B. Determinants of the 25-hydroxyvitamin D response to vitamin D supplements. In: *Nutritional Aspects of Osteoporosis 2013*. Burckhardt P, Dawson-Hughes B, Weaver C (eds). Springer-Verlag, London, pp.237-245; <http://dx.doi.org/10.1007/978-1-4471-2769-7>.
115. Dawson-Hughes B. Calcium and Vitamin D in *Primer on the Metabolic Bone Diseases and Disorders of Mineral Metabolism*, 8th edition. The American Society of Bone and Mineral Research. 2013. Rosen CJ (ed). Wiley-Blackwell, Hoboken, NJ, pp 403-407.
116. Bischoff-Ferrari H, Willett WC, Dawson-Hughes B. Vitamin D dose requirements for fracture prevention; The author's reply. *New Engl J Med* 2012; 367:1367-1370.
117. McAlindon T, LaValley M, Dawson-Hughes B. Vitamin D supplementation in patients with osteoarthritis – Reply. *JAMA* 2013;309:1583-4.
118. Zanetti M, Harris SS, Dawson-Hughes B. Does vitamin D reduce inflammation in adults without acute illness? *Nutrition Reviews* 2013; doi:10.1111/nure.12095.
119. Dawson-Hughes B, El Hajj Feulihan, G, Clarke P, Bone care for the postmenopausal woman. Mitchell P and Mistelli L (eds). *World Osteoporosis Day Report*. International Osteoporosis Foundation. October 2013; www.IOFBoneHealth.org.
120. Wahl DA, Cooper C, Ebeling PR, Eggersdorfer M, Hilger J, Hoffmann K, Josse R, Kanis JA, Mithal A, Pierroz DD, Stenmark J, Stöcklin E, Dawson-Hughes B. A global representation of vitamin D status in healthy populations: reply to comment by Saadi. *Arch Osteoporosis*. 2013; Doi: 10.1007/s11657-013-0122-7.
121. Siris E S, Adler R, Bilezikian J, Bolonese M, Dawson-Hughes B, Favus MJ, Harris ST, Jan de Beur SM, Knosla S, Lane NE, Lindsay R, Nana AD, Orwoll ES, Saag K, Silverman S, Watts NB. Clinical diagnosis of osteoporosis: A Consensus Report from the National Bone Health Alliance Working Group. *Osteoporosis Int* 2014: e-pub ahead of print. PMID 24577348.
122. Dawson-Hughes B. Nutritional Concerns in Osteoporosis. In: *Handbook of Clinical Nutrition and Aging*. 3rd Edition. Bales CW, Locher JL, and Saltzman E (eds). Springer, New York 2015, pp 273-285.
122. Dawson-Hughes B. Calcium and vitamin D for bone health in adults. In: *Nutrition and Bone Health*. 2nd Edition. Holick M and Nieves J (eds). Humana Press, Springer Science + Business Media, 2015, pp 217-230.
123. Bischoff-Ferrari HA, Orav EJ, Willett WC, Dawson-Hughes B. The effect of vitamin D supplementation on skeletal, vascular, or cancer outcomes. *Lancet Diabetes Endocrinol* 2014;May;2(5):363-4.
124. Rizzoli R, Bischoff-Ferrari H, Dawson-Hughes B, Weaver C. Nutrition and Bone Health in Women after the Menopause. *Womens Health (Lond Engl)*. 2014 Nov;10(6):599-608. doi: 10.2217/whe.14.40.
125. Javaid MK, Kyer, C, Mitchell PJ, CHana J, Moss C, Edwards MH, McLellan AR, Stenmark J,

- Pierroz DD, Schneider MCC, Kanis JA, Brandi ML, Chandran M, Chevalley T, Goemaere S, Goldhahn J, Harvey NC, Hough S, Lewiecki EM, Lyritis G, Napoli N, Silverman S, Sosa M, Dawson-Hughes B, Reginster JY, Rizzoli R. Effective secondary fracture prevention: implementation of a global benchmarking of clinical quality using the IOF Capture the Fracture® Best Practice Framework tool. *Osteoporosis Int* 2015;26(11):2573-8.
126. Dawson-Hughes B and Harris SS. Older adults - lifestyle approaches to improving bone health, musculoskeletal health, and reducing falls. In: Elevate Health. President's Council on Fitness, Sports, and Nutrition. Mechanick, JL (ed); 2015 in press.
 127. Mitchell P, Cooper C, Dawson-Hughes B, Gordon CM, Rizzoli R. Life-course Approach to Nutrition. *Osteoporosis Int* 2015;26(12):2723-42.
 128. Dawson-Hughes B, Mitchell PJ, Cooper C, Gordon CM, and Rizzoli R. Response to Fenton and Fenton: evidence does not support the alkaline diet. *Osteoporosis Int* 2016: 27:2389-2390.
 129. Dawson-Hughes B. Acid-Base Balance of the Diet – Implications for Bone. In: Proceedings of the 9th International Symposium on Nutritional Aspects of Osteoporosis, Montreal, Canada. Weaver C, Daly R, and Bischoff-Ferrari (eds). 2016: DOI: 10.1007/978-3-319-32417-3_9.
 130. Dawson-Hughes B and Bischoff-Ferrari H. Defining sarcopenia. In: Proceedings of the 9th International Symposium on Nutritional Aspects of Osteoporosis, Montreal, Canada. Weaver C, Daly R, and Bischoff-Ferrari (eds). 2016: DOI:10.1007/978-3-319-32417-3_2.
 131. Bischoff-Ferrari HA and Dawson-Hughes B. Vitamin D and Fall Prevention – An Update. In: Proceedings of the 9th International Symposium on Nutritional Aspects of Osteoporosis, Montreal, Canada. Weaver C, Daly R, and Bischoff-Ferrari H (eds). 2016: DOI:10.1007/978-3-319-32417-3_19.
 132. Bischoff-Ferrari HA, Orav JO, Dawson-Hughes B. Estimating Vitamin D Status and the Choice of Supplementation Dose-Reply. *JAMA Intern Med* 2016; DOI:10.1001/jamainternmed.2016.1629.
 133. Weaver CM, Dawson-Hughes B, Lappe JM, Wallace TC. Response to Bolland letter Re: Errors in the NOF meta-analysis of calcium and vitamin D supplements. *Osteoporosis Int* 2016: DOI:10.1007/s00198-016-3525-7.
 134. Cooper C, Schneider MC, Javaid MK, Akesson K, Dawson-Hughes B, Rizzoli R, Kanis JA, and Reginster J-Y. How to implement a Fracture Liaison Service. In: *Orthogeriatrics*. Falaschi P and Marsh DR (eds). Springer. 2016: submitted.
 135. Dawson-Hughes B, Bischoff-Ferrari H. Considerations concerning the definition of sarcopenia. *Osteoporosis Int* 2016;27:3139-3144.
 136. Harvey NC, Biver E, Kaufman J-M, Bauer J, Bronco J, Brandi ML, Bruyere O, Coxam V, Cruz-Jentoft A, Czerwinski E, Dimai H, Fardellone P, Landi F, Reginster J-Y, Dawson-Hughes B, Kanis K, Rizzoli R, Cooper C. The role of calcium supplementation in healthy musculoskeletal ageing. *Osteoporosis Int* 2016: DOI 10.1007/s00198-016-3773-6.
 137. Weaver CM, Dawson-Hughes B, Lappe JM, Wallace TC. Erratum and Additional Analyses Re: the NOF Meta-analysis of Calcium and Vitamin D Supplements. *Osteoporosis Int* 2016: 27:2643-2646.
 138. Bischoff-Ferrari HA and Dawson-Hughes B. Definitions of sarcopenia. In: *Sarcopenia: molecular*

- and cellular aspects – applications to humans, CRC Press, New York, Dominique Meynial-Denis (ed). 2016 submitted.
139. Dawson-Hughes B, Bischoff-Ferrari HA. Relevance of Vitamin D Deficiency in Adult Fracture and Fall Prevention book. In: Vitamin D. Feldman D, Bouillon R, Giovannucci E, Hewison M and Goltzman D (eds). Elsevier. 2017: in press.
140. Harvey NCW, McCloskey EV, Mitchell PJ, Dawson-Hughes B, Pierroz DD, Jean-Yves Reginster J-Y, Rizzoli R, Cyrus Cooper C, Kanis JA. Mind the (treatment) gap: a global perspective on current and future strategies for prevention of fragility fractures. *Osteoporosis Int* 2016: submitted.
141. Dawson-Hughes B. Vitamin D and muscle function. In: Proceedings of the 19th Vitamin D Workshop, Boston MA. Demay M and Christakos S (eds). *J Steroid Biochem & Mol Biol* 2017: 173:313-316..
142. Binkley N, Dawson-Hughes B, Durazo-Arvizu R, Thamm M, Tian L, Merkel JM, Jones JC, Carter GD, Sempos CT. Vitamin D Measurement Standardization: The Way Out of the Chaos. In: Proceedings of the 19th Vitamin D Workshop. Demay M and Christakos S (eds). *J Steroid Biochem Mol Biol*. 2017;173:117-121.
143. Dawson-Hughes B and Bischoff-Ferrari H. Considerations concerning the definition of sarcopenia: response to comments. *Osteoporosis Int* 2016; 27:3147-3148.
144. Weaver CM, Dawson-Hughes B, Rizzoli R, Heaney RP. Nutritional support for osteoporosis. Primer on the Metabolic Bone Diseases and Disorders of Mineral Metabolism, 9th edition. The American Society of Bone and Mineral Research. 2016. Bilezikian J (ed). Wiley-Blackwell, Hoboken, NJ: in press.
145. Beaudart C, Dawson A, Shaw SC, Harvey NC, Kanis JA, Binkley N, Reginster JY, Chapurlat R, Chan DC, Bruyère O, Rizzoli R, Coope Cr, Dennison EM and the IOF-ESCEO Sarcopenia Working Group: Adib G, Brandi ML, Chevalley T, Clark P, Dawson-Hughes B, Maghraoui A El, Engelke K, Fielding R, Foldes AF, Gugliemi G, Kaufman JM, Larijani B, Lems W, van Loon LJC, Lyritis GP, Maggi S, Masi L, McCloskey E, Messina OD, Papaioannou A, Szulc P, Veronese N. Nutrition and physical activity in the prevention and treatment of sarcopenia: Systematic review. *Osteoporosis Int* 2017: in press.
146. Robinson SM, Reginster JY, Rizzoli R, Shaw SC, Kanis JA, Bautmans I, Bischoff-Ferrari H, Bruyère O, Cesari M, Dawson-Hughes B, Fielding RA, Kaufman JM, Landi F, Malafarina V, Rolland Y, van Loon LJ, Vellas B, Visser M, Cooper C and the ESCEO working group. Does nutrition play a role in the prevention and management of sarcopenia? *Clinical Nutr* 2017: doi.org/10.1016/j.clnu.2017.08.016.
147. Buckinx F, Landi F, Cesari M, Fielding RA, Visser M, Engelke K, Maggi S, Dennison E, Al-Daghri NM, Allepaerts S, Bauer J, Bautmans I, Brandi ML, Bruyère O, Cederholm T, Cerreta F, Cherubini A, Cooper C, Cruz-Jentoft A, McCloskey E, Dawson-Hughes B, Kaufman JM, Laslop A, Petermans J, Reginster JY, Rizzoli R, Robinson S, Rolland Y, Rueda R, Vellas B, Kanis JA. Pitfalls in the measurement of muscle mass: a need for a reference standard. *Journal of Cachexia, Sarcopenia and Muscle* 2017: DOI - 10.1002/jcsm.12268.
148. Weaver CM, Dawson-Hughes B, Lappe JM, Wallace TC. Conclusions stand firm with additional data. *Osteoporosis Int* 2017; DOI: 10.1007/s00198-017-3982-7.
149. Dawson-Hughes B. Challenges in defining the role of dietary protein in bone health. *Am J Clin*

Nutr 2017;105:1257-1258.

150. Bischoff-Ferrari HA, Dawson-Hughes B, Willet WC. In response to Zhao and colleagues – Association between calcium and vitamin D supplementation and fracture incidence in community-dwelling older adults. JAMA 2018: submitted.

ABSTRACTS

1. Dawson-Hughes BF, Moore TJ, Dluhy RG, Williams GH. Adrenal responsiveness to angiotensin II and ACTH in essential hypertension. Clin Res 27:592A, 1979.
2. Dawson-Hughes BF, Moore TJ, Williams GH. Plasma angiotensin II levels do not regulate aldosterone responsiveness during sodium restriction. Presented to the Endocrine Society, June, 1980.
3. Dawson-Hughes BF, Moore TJ, Dluhy RG, Williams GH. Adrenal responsiveness to angiotensin II and ACTH in essential hypertension. Clin Res 28:329A, 1980.
4. Dawson-Hughes B, Brown EM. (Ca-Mg) ATPase activity in bovine parathyroid cells. Clin Res 29:681A, 1981.
5. Dawson-Hughes BF, Newman N, Jacques P. Calcium intake, bone density and age in postmenopausal women. J Am Coll Nutr 3:Abstr 158, 1984.
6. Dawson-Hughes B. Osteoporosis - a gastrointestinal disease of aging. J Am Coll Nutr 3:231, 1984.
7. Dawson-Hughes B, Goldman J, Reichlin S. Regulation of growth hormone secretion in postmenopausal women. Effect of estrogen therapy. Clin Res 33: Abstract 600A. 1985.
8. Dawson-Hughes B, Jacques P. Calcium intake and spine mineral loss. J Am Coll Nutr 6:Abstr 66, 1987.
9. Dawson-Hughes B. Calcium Nutrition and Bone Loss. Am Dietetic Assn: 14, 1987.
10. Jackson DW, Dawson-Hughes B, Grand RJ. Effects of Crohn's disease on bone mineral density in children. Gastroenterology 94:A203; 1988.
11. Jackson D, Grand RJ, Dawson-Hughes B. Diminished bone mineral density in pediatric Crohn's disease. Ped Res 23:306A; 1988.
12. Dawson-Hughes B. Effect of lowering dietary calcium intake on fractional whole-body retention of calcium. J Bone Min Res3(Suppl):349(Abstr), 1988.
13. Krall EA, Sahyoun N, Tannenbaum S, Dawson-Hughes B. Intact parathyroid hormone (PTH) as indicator of vitamin D nutriture. FASEB J 3:A773 (Abstr No 3175), 1989.
14. Knox TA, Kassarijian Z, Dawson-Hughes B, Golner B, Russell RM. Effect of high fiber diet and gastric acidity on calcium absorption in the elderly. Gastroenterology 96:Abstr 261, 1989.
15. Dawson-Hughes B, Dallal G, Krall E. Effect of calcium supplements on bone loss - a progress report. Steenbock Symposium on Osteoporosis, submitted 1989.

16. Johnson J, Dawson-Hughes B. Effect of soft tissue thickness on precision of dual-energy absorptiometry. Steenbock Symposium on Osteoporosis, submitted 1989.
17. Dawson-Hughes B, Dallal G, Tannenbaum S, Sahyoun N, Krall E. Effect of two calcium supplements on postmenopausal bone loss from the spine. *J Bone Min Res* 4 (Suppl): 1091 (Abstr), 1989.
18. Stall GM, Johnson J, Dawson-Hughes B. Excessive L-thyroxine therapy and the rate of lumbar spine bone mineral loss. *J Bone Min Res* 4(Suppl): 741 (Abstr), 1989.
19. Agren M, Karellas A, Leahy D, Hughes BD, Baran D. Ultrasound attenuation of the calcaneus is a sensitive indicator of axial osteoporosis. *J Bone Min Res* 4(Suppl): 281 (Abstr), 1989.
20. Dawson-Hughes B, Harris S, Dallal GE. Serum ionized calcium, along with phosphorus and parathyroid hormone, regulates the plasma 1,25-dihydroxyvitamin D level in normal women. *J Bone Min Res* 5 (Suppl):773 (Abstr) 1990.
21. Krall EA, Dawson-Hughes B. Calcium retention fraction and net retained calcium exhibit seasonal variation in postmenopausal women. *J Bone Min Res* 5 (Suppl):774 (Abstr) 1990.
22. Dawson-Hughes B, Harris SS, Dallal G. Serum predictors of a favorable bone response of postmenopausal women to supplementation with calcium. Third International Symposium on Osteoporosis, Copenhagen, Denmark, October 14-18: 398(Abstr) 1990.
23. Dawson-Hughes B. Calcium and vitamin D nutrition in the elderly. Twentieth Annual Meeting of the American Aging Association, July, 1990.
24. Krall EA, Dawson-Hughes B. Familial correlations of bone density and lifestyle factors. *J Bone Min Res*, 6(Suppl):330 (Abstr) 1991.
25. Harris S, Dawson-Hughes B. Rates of change in bone mineral density of the spine, heel, femoral neck and radius in postmenopausal women. *J Bone Min Res*, 6(Suppl):360 (Abstr) 1991.
26. Dawson-Hughes B, Krall EA, Harris S. Risk factors for bone loss in healthy postmenopausal women. International Conference on Osteoporosis, Kobe, Japan: 7 (Abstr) 1991.
27. Dawson-Hughes B. Effect of calcium and vitamin D supplementation on frailty. Tenth Annual Symposium on Geriatrics and Gerontology entitled "Aging, musculoskeletal disorders, and care of the frail elderly". St. Louis, MO, Sept 23-24, 1991.
28. Salamone LM, Zantos D, MaKrauer F, Dawson-Hughes B. Short and longer-term precision of broadband ultrasound attenuation measurements of the os calcis. *J Bone Miner Res* 7(Suppl 1):341 (Abstr), 1992.
29. Dawson-Hughes B, Harris SS. Thiazides and seasonal bone change in healthy postmenopausal women. *J Bone Miner Res* 7(Suppl 1): 423 (Abstr), 1992.
30. Krall EA, Dawson-Hughes B. Vigorous exercise and bone mineral density. *J Bone Miner Res* 7(Suppl 1):203 (Abstr), 1992.
31. Harris SS, Dallal GE, Dawson-Hughes B. Influence of body weight on rates of change in bone density of the spine, hip and radius in Postmenopausal women. *Menopause Digest* 1993;1:13-16.

32. Krall EA, Dawson-Hughes B, Papas AS, Garcia RI. Skeletal bone density and tooth loss. *J Dent Res* 72(Special Issue): 316, 1993.
33. Dawson-Hughes B. Calcium and vitamin D in the prevention of bone loss. Fourth International Symposium on Osteoporosis, Hong Kong, March 27-April 2:63 (Abstr) 1993.
34. Salamone LM, Harris SS, Krall EA, Dawson-Hughes B. A comparison of broadband ultrasound attenuation to single x-ray absorptiometry measurements at the calcaneus in postmenopausal women. *J Bone Miner Res* 8 (Suppl 1): 935 (Abstr), 1993
35. Krall EA, Dawson-Hughes B. Smoking and bone loss among postmenopausal women. *Menopause Digest* 1992;5:19-21.
36. Krall EA, Dawson-Hughes B. Walking, bone mineral density and bone loss. *J Bone Miner Res* 8 (Suppl 1): 136 (abstr), 1993
37. Dawson-Hughes B, Harris S. Effect of soft-tissue equivalent thickness on DXA bone density and precision. *J Bone Miner Res* 8 (Suppl 1): 933 (abstr), 1993
38. Harris S, Dawson-Hughes B. Caffeine and rates of bone loss in healthy postmenopausal women. *J Bone Miner Res* 8 (Suppl 1): 578 (abstr), 1993
39. Kiel DP, Mercier C, Dawson-Hughes B, Cali C, Hannan MT. Converting results from DPA to DXA in the elderly: the effects of analytic software and body thickness. *J Bone Miner Res* 8 (Suppl 1): 912 (abstr), 1993
40. Dawson-Hughes B. Calcium and vitamin D nutrition and aging. American Aging Assn, Conference Proceedings: 5 (Abstr), 1993.
41. Krall EA, Harris SS, Dawson-Hughes B. Comparison of fat and non-fat soft tissue among family members. *J Bone Miner Res* 9 (Suppl 1): A344 (Abstr), 1994.
42. Dawson-Hughes B, Harris SS, Krall EA, Dallal G, Falconer G, Green C. Rates of bone loss in postmenopausal women randomized to two different dosages of vitamin D. *J Bone Miner Res* 9 (Suppl 1): C446 (Abstr), 1994.
43. Harris SS, Wood MJ, Dawson-Hughes B. Total body and forearm bone mineral density in premenopausal black and white women. *J Bone Miner Res* 9 (Suppl 1): B160 (Abstr), 1994.
44. Sokoll L, Booth S, Tucker K, Dawson-Hughes B, Sadowski J. Assessment of vitamin K₁ (phylloquinone) intake in postmenopausal women: validation of 3-day food records with plasma vitamin K levels. Second International Conference on Dietary Assessment Methods. Boston (Abstract), 1994.
45. Krall EA, Dawson-Hughes B, Fowler S. Bone mineral density and serum osteocalcin levels in elderly men and women. *J Bone Miner Res* 10 (Suppl 1): T458 (Abstr), 1995.
46. Kinyamu H, Dawson-Hughes B, Gallagher JC, Dalsky G, Fowler S. Change in parathyroid hormone, osteocalcin, and 25 hydroxyvitamin D in normal elderly subjects. *J Bone Miner Res* 10 (Suppl 1): M449 (Abstr) 1995.
47. Krall EA, Dawson-Hughes B. Longitudinal bone mineral density change and tooth loss in postmenopausal women. *J Bone Miner Res* 10 (Suppl 1): T459 (Abstr), 1995.

48. Harris SS, Dawson-Hughes B. Total body scans on the lunar DPX-L: Who fits in the scan field? *J Bone Min Res* 10 (Suppl 1),T485 (Abstr), 1995.
49. Dawson-Hughes B, Harris SS, Finneran S. Calcium absorption on high and low calcium intakes in relation to vitamin D receptor genotype. *J Bone Miner Res* 10(Suppl 1):95 (Abstr), 1995.
50. Lips P, Chapuy MC, Dawson-Hughes B, Pols HAP. International comparison of serum 25-hydroxyvitamin D measurements. *J Bone Min Res* 10(Suppl 1):T567 (Abstr), 1995.
51. Fowler S, Gallagher JC, Dawson-Hughes B, Dalsky G, Sherman S. A comparison of different interventions on femoral neck bone loss. *J Bone Miner Res* 10 (Suppl 1):T415 (Abstr), 1995.
52. Krall EA, Dawson-Hughes B, Garcia R. Association of smoking and tooth loss in men and women. *Internat Assn Dental Res (IADR) (Abstract)* 1995
53. Dawson-Hughes B. Calcium, vitamin D and vitamin D metabolites. *Osteoporosis International* 6(Suppl 1), 93 (Abstr), 1996.
54. Gallagher JC, Fowler SE, Dawson-Hughes B, Dalsky G, Balhorn K. Urine n-telopeptide excretion in elderly subjects. Relation to serum osteocalcin and bone mineral density. *J Bone Miner Res*, 1996; 11:S441
55. Krall EA, Dawson-Hughes B, Hannan MT, Kiel DP. Postmenopausal estrogen replacement therapy protects against tooth loss. *J Bone Miner Res*, 1996;11:S30
56. Dawson-Hughes B, Fowler SE, Dalsky G, Gallagher C. Sodium excretion influences calcium homeostasis in elderly men and women. *J Bone Miner Res*, 1996;11:S465.
57. Ross, EM, Dawson-Hughes, B, IH Rosenberg, Col, NF, Wong, JB. Should all 60-year-old women receive vitamin D and calcium supplements for the prevention of hip fractures? *Journal of General Internal Medicine* 1997; 12 (Supplement):62.
58. Ross, EM, Dawson-Hughes, B, IH Rosenberg, Col, NF, Wong, JB. Vitamin D and calcium supplementation for the prevention of hip fracture: a cost-effectiveness analysis. (1997). In: *Proceeding of the 16th International Congress of Nutrition, Montreal, 1997, Abstract 280.*
59. Ross EM, Rosenberg IH, Dawson-Hughes IH, Col, NF, Wong, JB. Should the "normal" 25-Hydroxyvitamin D level be increased? *Am J Clin Nutr* 1997;66(1):206.
60. Krall EA, Dawson-Hughes B. Smoking reduces fractional calcium absorption and increases bone loss. *J Bone Miner Res* 1997;12:S225
61. Günther T, Dawson-Hughes B, Heaney R, Barrett-Conner E, Lindsay R. Bone mineral content and density in Caucasian America females - regional differences? *J Bone Miner Res* 1997;12:S382.
62. Hannan MT, Tucker K, Dawson-Hughes B, Felson DT, Kiel DP. Effect of dietary protein on bone loss in elderly men and women: The Framingham Osteoporosis Study. *J Bone Miner Res* 1997;12:S151

63. Dawson-Hughes B. Significance of habitual calcium and vitamin D intakes to post-menopausal risk of osteoporosis. (1997) In: Proceedings of the 16th International Congress of Nutrition, Montreal. (Abstract) 23.
64. Harris S, Dawson-Hughes B. The influence of race on seasonal changes in 25-hydroxyvitamin D levels of young women. *J Bone Min Res* 1997;12 (Suppl 1):T462.
65. Dawson-Hughes B. Assessment of calcium deficiency. In: Proceedings of The Second International Conference on Osteoporosis. *Osteoporosis Int* 1997;7(Suppl 2) 068.
66. Dawson-Hughes, B. Canovatchel W. Vitamin D levels after orlistat therapy. In: Proceedings of the 80th Annual Meeting of The Endocrine Society. New Orleans, LA. June 24-27, 1998 P2-554.
67. Harris, S and Dawson-Hughes, B. Plasma 25-Hydroxyvitamin D responses of young and old men to three weeks of oral supplementation with 1,800 IU/day vitamin D. *Bone* 1998;23:F495.
68. Booth, SL., Tucker, KL., Chen, HL., Hannan, MT., Wilson, PW., Cupples, LA., Dawson-Hughes, B., Kiel, DP. Vitamin K (Vit K) intake, bone mineral density and hip fractures in elderly women. *Bone* 1998;23:W383.
69. Hannan, MT., Tucker KL., Dawson-Hughes, B., Felson, D., Kiel, DP. Animal and non-animal dietary protein: what are the effects on bone loss in elders on the Framingham osteoporosis study? *J Bone Miner Res* 1998; 23:S287.
70. Krall EA, Dawson-Hughes B, Randall C, Garcia RI. Tooth loss and bone mineral density in men and women. *J Dent Res* 1999 (IADR abstracts):78:1741.
71. Must A, Phillips SM, Blum M, Harris S, Dawson-Hughes B, Rand WM. Accuracy of long-term recall of early menstrual history and menarcheal weight status. *Am J Epidemiol* 1999; 149 (11): S26.
72. Dawson-Hughes B, Harris S, Krall E, Dallal G. Effect of calcium and vitamin D supplement withdrawal on bone mass in older men and women. *J Bone Miner Res* 1999;14 (Suppl 1):Su 063.
73. Harris SS, Soteriades ES, Coolidge JAS, Mudgal S, Dawson-Hughes B. Vitamin D and parathyroid hormone status of Boston's low-income elderly. *J Bone Miner Res* 1999;14 (Suppl 1):Su 459.
74. Blum M, Must A, Harris SS, Rand WM, Phillips SM, Dawson-Hughes B. Association of documented weight at menarche with premenopausal bone mineral density. *J Bone Miner Res* 1999;14 (Suppl 1):Sa 282.
75. Looker AC, Dawson-Hughes B, Calvo MS, Gunter EW, Sayoun N. Low serum vitamin D levels appear common in southern U.S. whites during winter. *J Bone Miner Res* 1999;14 (Suppl 1):Sa 292.
76. Kiel DP, Rosen C, Dawson-Hughes B, Cupples LA, Kreuger K, Gagnon D, Wilson PWF, Mohan S. Insulin-like growth factor-i binding proteins (IGFBPS) and bone mineral density (BMD) in elderly persons. *J Bone Miner Res* 1999;14 (Suppl 1):Sa 312.
77. Dawson-Hughes B, Harris S, CJ Rosen. Rising levels of serum IGFBP-4 may influence the skeletal response of men to supplementation with calcium and vitamin D. *J Bone Miner Res* 1999;14 (Suppl 1): Sa 116.

78. Soteriades ES, Harris S, Nicolaou M, Coolidge JS, Dawson-Hughes B. Social support and fear of falling in a low-income elderly population. *Am J Public Health*. Submitted: 1999.
79. Dawson-Hughes, B. Definition of what is the optimal 25 OHD status for bone. *Proceedings of 11th Workshop on Vitamin D*. 2000.
80. Krall EA, Dawson-Hughes B, Soerensen HA, Hyldstrup LE, Anderseon, JJ. Longitudinal changes in metacarpal bone density in men. *J Bone Miner Res* 2000; 15 (Suppl 1): S336.
81. Blum M, Harris S, Must A, Phillip S, Rand W, Dawson-Hughes B. Exposure to household tobacco smoke is negatively associated with premenopausal bone mineral density. *J Bone Miner Res* 2000; 15 (Suppl 1): S413.
82. Krall E, Randall C, Harris SS, Garcia RJ, Dawson-Hughes B. Calcium and vitamin D supplements reduce tooth loss in the elderly. *J Bone Miner Res* 2000; 15 (Suppl 1): S191.
83. Dawson-Hughes B. Dietary calcium and vitamin D and bone health. *Bone* 2001; 9: 296.
84. Dawson-Hughes B. The epidemiology of osteoporotic fractures in the United States. *Bone* 2001; 9: 298.
85. Harris SS, Dawson-Hughes B. Plasma 25-hydroxyvitamin D responses of young and old men to supplementation with 800 IU/day of vitamin D. *J Bone Miner Res* 2001; 16 (Suppl 1): S313.
86. Blum M, Harris SS, Must A, Phillips S, Dawson-Hughes B. Leptin, body composition and bone mineral density in premenopausal women. *J Bone Miner Res* 2001; 16 (Suppl 1): S437.
87. Pro-Risquez A, Harris SS, Ross E, Rudicel S, Barnewolt B, Dawson-Hughes B. Survey of calcium, vitamin D and prescription medication use in men and women with recent fractures. *J Bone Miner Res* 2001; 16 (Suppl 1): S535.
88. Bischoff HA, Solomon DH, Dawson-Hughes B, Wang PS, Avorn J. Repeat hip fractures in a population based sample of Medicare recipients in the US: rates, timing and gender differences. *J Bone Miner Res* 2001; 16 (Suppl 1): S213.
89. Bischoff HA, Solomon DH, Dawson-Hughes B, Wang PS, Avorn J. Epidemiology of repeat hip fractures in a population-based sample of Medicare recipients in US. *Arthritis Rheum* 2001; 44: S266.
90. Bairos L, Roubenoff R, Kehayias J, Dawson-Hughes B. Comparison of Lunar DPX-L and Hologic QDR-2000 dual-energy X-ray absorptiometers (DXA) for the evaluation of whole and regional body composition. *FASEB J* 2001.
91. White J, Harris SS, Dallal G, Dawson-Hughes B. Precision of single versus bilateral hip bone mineral density scans. *J Bone Miner Res* 2002; 17 (Suppl 1): S314.
92. Pro-Risquez A, Harris SS, Ross E, Rudicel S, Barnewolt B, Dawson-Hughes B. Calcium, multivitamin and osteoporosis medication use in women and men with recent fractures. *J Bone Miner Res* 2003; 18(Suppl 2): S248.

93. Hannan MT, Tucker K, Dawson-Hughes B, Chazaro I, Kiel D. Low calcium intake magnifies the bone loss seen with low dietary protein intake in elderly men and women. *J Bone Miner Res* 2003;18(Suppl 2): S240.
94. Bischoff HA, Orav EJ, Karlson E, Dawson-Hughes B. Higher 25-hydroxyvitamin D levels are associated with better musculoskeletal function in the lower extremities of active and inactive ambulatory elderly. *J Bone Miner Res* 2003;18(Suppl 2): S52.
95. Dietrich T, Joshipura KJ, Dawson-Hughes B, Bischoff HA. Association between 25-OH vitamin D₃ and periodontal disease. *J Bone Miner Res* 2003; 18(Suppl 2): S103.
96. Vazquez E, Dawson-Hughes B. Comparison of Two DXA Scan Modes on GE Lunar Prodigy. *J Clin Densitom* 2004; 7: 225.
97. Vazquez E, Song L, Dawson-Hughes B. Precision of bone mineral density scans at the proximal tibia. *J Clin Densitom* 2004; 7: 222.
98. Vazquez E, Cole L, McClung M, Dawson-Hughes B. Comparison of two DXA scan modes on a GE Lunar Prodigy at Two Centers. *Osteoporos Int* 2004; 15(Suppl 1): S41.
99. Jajoo R, Song L, Rasmussen H, Dawson-Hughes B. Effect of change in dietary acid-base balance on bone turnover and urine calcium excretion. *J Bone Miner Res* 2004; 19(Suppl 1): S448.
100. Goussous R, Song L, Dallal G, Dawson-Hughes B. The effect of calcium intake on the vitamin D requirement. *J Bone Miner Res* 2004; 19(Suppl 1): S202.
101. Bischoff-Ferrari H, Orav JE, Dawson-Hughes B. Effect of vitamin D plus calcium on falling in ambulatory older men and women: a 3-year randomized controlled trial. *J Bone Miner Res* 2004; 19(Suppl 1): S57.
102. Shedd K, Cheng D, Gundberg C, Dallal G, Kiel DP, Broe KE, Peterson JW, Dawson-Hughes B, Booth SL. Low vitamin K status is associated with an increase in markers of bone turnover in older men and women. *J Bone Miner Res* 2004; 19(Suppl 1): S290.
103. Barnett JB, Borbach SI, Woods MN, Neels C, Rosner B, Houser RF, Seigel R, Dawson-Hughes B, Longcope C. Obese and upper body fat phenotype postmenopausal African-American women have a sex hormonal profile associated with increased risk of breast cancer. DOD Breast Cancer Research Program's Era of Hope Proceedings. Philadelphia, PA. June 8-11, 2005: 276.
104. Burge RT, Dawson-Hughes B, King AB, Solomon D, Tosteson A, Wong JB. Incidence and economic burden of osteoporotic fractures in the United States, 2005-2025. Proceedings of Sixth International NOF Symposium on Osteoporosis. Washington, DC. April 6-8, 2005.
105. Dawson-Hughes B, Rasmussen H, Harris SS, Dallal G. Impact of aromatic versus branched-chain amino acids on calcium excretion, absorption, and bone turnover - potential role of the calcium sensor receptor. *J Bone Miner Res* 2005; 20(Suppl 1): SU508.
106. Bischoff-Ferrari H, Orav JE, Dawson-Hughes B. Sex hormone levels and risk of falling in community-dwelling older persons: a prospective study. *J Bone Miner Res* 2005; 20(Suppl 1): 1041.
107. Burge RT, King AB, Solomon D, Tosteson A, Wong J, Dawson-Hughes B. Osteoporosis fractures and costs by race/ethnicity and gender in the USA. *J Bone Miner Res* 2005; 20(Suppl 1): F317.

108. Tosteson A, Solomon D, King AB, Dawson-Hughes B, Burge R, Wong J. Projections of Osteoporosis Fractures and Costs by Skeletal Site in the USA. *J Bone Miner Res* 2005; 20(Suppl 1): 1078.
109. Crosier MD, Shea MK, Ordovas JM, Gundberg CM, Dawson-Hughes B, Booth SL. Apolipoprotein E Genotype Is a Determinant of Serum Vitamin K, but not BMD, in Older Men and Women. *J Bone Miner Res* 2005; 20(Suppl 1): M123.
110. Dawson-Hughes B, Bradshaw MP. Bisphosphonate Users Do Not Purchase Enough Calcium to Ensure Sufficient Supplementation. *J Bone Miner Res* 2005; 20(Suppl 1): SU422.
111. Shea MK, O'Donnell CJ, Hoffman U, Price PA, Dawson-Hughes B, Booth SL. Plasma Vitamin K Levels Are Associated With Coronary Calcification In Older Adults. *FASEB Journal* 2006; 20(4): A134.
112. Shen J, Crosier MJ, Parnell LD, Shea MK, Dawson-Hughes B, Ordovas JM, Booth SL. Interleukin 6-174C>G Polymorphism Is Associated With Low Bone Mineral Density In Older Subjects Consuming Low Calcium. *FASEB Journal* 2006; 20(4):A608.
113. Shea MK, Benjamin EJ, Dupuis J, Massaro JM, Jacques PF, D'Agostino RB, Ordovas JM, O'Donnell CJ, Dawson-Hughes B, Vasan RS, Booth SL. Clinical correlates and heritability of vitamins K and D. *FASEB Journal* 2007; 21: S366.4.
114. Pittas AG, Harris SS, Stark P, Dawson-Hughes B. The Effect of Combined Vitamin D and Calcium Supplementation on glycemia in non-diabetic adults age 65 and older. *Diabetes* 2006; 5X (Suppl 1).
115. Weil M, Dawson-Hughes D. Sunlamp Therapy for the Treatment of Vitamin D Deficiency. The Deficiency. The Endocrine Society's 89th Annual Meeting, Toronto, Canada; June 2 – 5, 2007: P3-114, page 527.
116. Harris SS, Dawson-Hughes B. Reduced Sun Exposure Does Not Explain the Inverse Association of 25-Hydroxyvitamin D with Percent Body Fat in Older Adults. *ASBMR 2007 Annual Meeting*; submitted April 2007.
117. Dawson-Hughes B, Harris SS, Ceglia L. A More Alkaline Diet May Enhance the Favorable Impact of Dietary Protein on Lean Tissue Mass in Older Adults. *J Bone Miner Res* 2008; 22(Suppl 1): W403.
118. Ceglia L, Harris SS, Rasmussen H, Dawson-Hughes B. Activation of the Calcium Sensing Receptor with Cinacalcet Increases Serum Gastrin Levels in Healthy Older Subjects; *J Bone Miner Res* 22 (Suppl 1); M221.
119. Lo GH, Dumoulin-Richez C, Nuite M, Wheeler L, Badiani P, Joas J, McAdams EL, Dawson-Hughes B, Caron B, McAlindon TE. Strong Association between Tibial Plateau BMD and Cartilage Damage. *ACR*; submitted May 2007.
120. Wang, J., Nuite, M., Wheeler, L.M., Badiani, P., Joas, J., McAdams, E.L., Fletcher, J., LaValley, M.P., Dawson-Hughes, B., McAlindon, T.E. Low Vitamin D Levels are Associated with Greater Pain and Slow Walking Speed in Patients with Knee Osteoarthritis (KOA). *ACR Abstract #199 Arthritis & Rheumatism*. 2007;56: 9 (supplement): S124.

121. Nuite, M., Wang, J., Wheeler, L.M., Fletcher, J., Badiani, P., McAdams, E.L., Joas, J., LaValley, M.P., Dawson-Hughes, B., McAlindon, T.E. Don't Always Believe What You Are Told: A comparison of Self-Reported with Measured Weight and Height. ARHPAbstract #2049 *Arthritis & Rheumatism*. 2007;56: 9 (supplement): S779.
122. L.M. Wheeler, J. Wang, M. Nuite, J. Fletcher, P. Badiani, E.L. McAdams, J.P. Joas, M.P. LaValley, B. Dawson-Hughes, T.E. McAlindon. Report of Daily Vitamin D Supplement Use is No Guarantee of Protection Against Vitamin D Deficiency in Knee Osteoarthritis Patients. OARSI Abstract #248 Osteoarthritis and Cartilage. 2007. Vol. 15 (Supplement A)
123. Lo, G., Dumoulin-Richez, C., Nuite, M., Wheeler, L., Badiani, P., Joas, J., McAdams, E., Dawson-Hughes, B., Caron, B., McAlindon, T.E. Strong Association Between Tibial Plateau Bone Mineral Density and Cartilage Damage. ACR Abstract #203 *Arthritis & Rheumatism*. 2007;56: 9 (supplement): S125.
124. Dawson-Hughes B. Vitamin D and calcium for fracture prevention. Endo Soc Abstract. The Endocrine Society's 90th Annual Meeting. S50-3, 2008.
125. Henschkowski J, Dawson-Hughes, B, Staehelin HB, Stuck AE, Orav JE, Egli A, Bischoff-Ferrari HA. Anti-fall efficacy of oral supplemental vitamin D and active vitamin D. *J Bone Miner Res* 2008; 23(Suppl 1): SU423.
126. Egli A, Dawson-Hughes B, Theiler R, Staehelin H, Henschkowski J, Bischoff-Ferrari. High sex hormone binding globulin (SHBG) levels in older patients with acute hip fracture are correlated with worse function and increased bone resorption. *J Bone Miner Res* 2008; 23(Suppl 1): SU363.
127. Bischoff-Ferrari HA, Staehelin HB, Dawson-Hughes B, Platz A, Can U, Looser S, Bretschner B, Theiler R. Red flags are missed in the prevention of hip fractures: baseline results of the Zurich hip fracture trial. *J Bone Miner Res* 2008; 23(Suppl 1): SU432.
128. Lo GH, McAdams E, Smith M, Carr K, Nuite M, Dawson-Hughes B, Palermo N, McAlindon TE. Tibial plateau proximal and distal bone behave similarly: both are associated with features of knee osteoarthritis. OARSI 2008;submitted.
129. Lo GH, Smith M, McAdams E, Carr K, Nuite M, Dawson-Hughes B, Palermo N, McAlindon TE. Baseline vitamin d status is predictive of longitudinal change in tibial BMD in knee osteoarthritis. ACR 2008;submitted.
130. Ceglia L, Morais MD, Park L, Harris SS, Bischoff-Ferrari HA, Fielding RA, Dawson-Hughes B. Immunofluorescent analysis of vitamin D receptor *loci* and myosin heavy chain isoforms in human skeletal muscle fibers. *Osteoporosis Int* 2009;20:S229.
131. Bischoff-Ferrari H, Dawson-Hughes B, Platz A et al. "Effect of extended physiotherapy and high-dose vitamin D on rate of falls and hospital re-admission after acute hip fracture: a randomized controlled trial." *J Bone Miner Res* 24 (Suppl 1), 2009. (Accessed September 29, 2009, at <http://www.asbmr.org/Meetings/AnnualMeeting/AbstractDetail.aspx?aid=1c9539ac-f5ea-4d66-bf3f-662561103a75>.)
132. Bischoff-Ferrari H, Dawson-Hughes B, Henschkowski J, et al. "Oral supplementation with 25-hydroxyvitamin D3 versus vitamin D3: effects on 25-hydroxyvitamin D status, lower extremity function, and blood pressure." *J Bone Miner Res* 24 (Suppl 1), 2009. (Accessed September 29, 2009, at <http://www.asbmr.org/Meetings/AnnualMeeting/AbstractDetail.aspx?aid=9d3c36bd-6fa8-48fc-ab15-5cc6bb5d6743>.)

133. Jetter A, Egli A, Dawson-Hughes B, et al. "Plasma Pharmacokinetics: Comparison between Oral Supplementation Regimens with 25(OH)D and Vitamin D3." *J Bone Miner Res* 24 (Suppl 1), 2009. (Accessed September 29, 2009, at <http://www.asbmr.org/Meetings/AnnualMeeting/AbstractDetail.aspx?aid=b02959d0-e015-4e9a-bfec-9f491b4bb71f>.)
134. Bischoff-Ferrari HA, Orav EJ, Willett WC, Meunier P, Lyons RA, Lips P, Flicker L, Wark J, Jackson RD, Cauley J, Meyer H, Pfeifer M, Avenell A, Staehelin HB, Henschkowski J, Theiler R, Dawson-Hughes B. A dose of vitamin D is required for hip and non-vertebral fracture prevention: a pooled participant-based meta-analysis of 11 double-blind RCTs. *J Bone Miner Res* 25 (suppl 1), 2010; submitted.
135. McAlindon TE, Dawson-Hughes B, Driban J, LaValley M, Lee JY, Lo GH, Nuite M, Price LL. Clinical Trial of Vitamin D to Reduce Pain and Structural Progression of Knee Osteoarthritis *Am Coll Rheumatol* 2010.
136. Heike A. Bischoff-Ferrari, Bess Dawson-Hughes, Endel Orav, Walter Willett, Andreas Egli, Andreas Maetzel, Hannes B Staehelin, Robert Theiler. "The Economic Consequences of Hip Fractures: Impact of Home Exercise and High-dose Vitamin D." In: ASBMR Annual Meeting; 15-19 Oct 2010; Toronto, ON. (Accessed October 15, 2010, at <http://www.asbmr.org/Meetings/AnnualMeeting/AbstractDetail.aspx?aid=d8979ab0-912d-4ee4-96cb-d7c8a912d970>)
137. Heike A. Bischoff-Ferrari, Endel J Orav, Walter Willett, Pierre J. Meunier, Ronan Lyons, Paul T. Lips, Michael Pfeifer, Leon Flicker, John D. Wark, Rebecca D Jackson, Haakon E. Meyer, Jane A. Cauley, Hannes B Staehelin, Jana Henschkowski, Robert Theiler, Bess Dawson-Hughes. "A Higher Dose of Vitamin D is Required for Hip and Non-vertebral Fracture Prevention: A Pooled Participant-based Meta-analysis of 11 Double-blind RCTs." In: ASBMR Annual Meeting; 15-19 Oct 2010; Toronto, ON. (Accessed October 15, 2010 at <http://www.asbmr.org/Meetings/AnnualMeeting/AbstractDetail.aspx?aid=7958ccd5-38f0-4fe2-9f98-03ba24675296>)
138. Andreas Egli, Robert Theiler, Bess Dawson-Hughes, Jana Henschkowski, Hannes B Staehelin, Heike A. Bischoff-Ferrari. "10-Year Fracture History in Seniors with Acute Hip Fracture: Are we Missing an Opportunity?" In: ASBMR Annual Meeting; 15-19 Oct 2010; Toronto, ON. (Accessed October 15, 2010 at <http://www.asbmr.org/Meetings/AnnualMeeting/AbstractDetail.aspx?aid=1faefee3-15d3-49a2-95c0-93a5f1ad0acd>)
139. Pittas AG, Nelson J, Mitri J, Hillman W, Garganta C, Nathan DM, Hu FG, Dawson-Hughes B and the Diabetes Prevention Program Research Group. Vitamin D status and progression to diabetes in patients at risk for diabetes: an ancillary analysis in the Diabetes Prevention Program randomized controlled trial. *Diabetes* 2011;TBD(Suppl 1):117-OR. Presented at the American Diabetes Association, 2011.
140. Niramitmahapanya S, Harris S, Dawson-Hughes B. Type of a fat association with 25-hydroxyvitamin D increment in healthy older over than 65 years. Presented at ENDO 2011: The Endocrine Society's 93rd Annual Meeting & Expo, June 4, 2011.
141. Niramitmahapanya S, Ceglia L, Harris S, Bischoff-Ferrari H, Fielding R, Dawson-Hughes B. Vitamin D₃ Supplementation Increases Intranuclear Vitamin D Receptor Expression in Human Skeletal Muscle ASBMR 2012.

142. Bischoff-Ferrari H, Dawson-Hughes B, Orav EJ, Willett WC, Staehelin HB, Sidelnikov E, Grob D, Dick W, Theiler R, Egli Linder A. Effects of three monthly vitamin D supplementation strategies among fallers age 70 years and older: a double-blind randomized controlled trial. ASBMR 2012.