



Deborah Kado

Professor of Medicine (Primary Care and Population Health)

Medicine - Primary Care and Population Health

CLINICAL OFFICES

- **Stanford Senior Care**

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Bio

BIO

Dr. Deborah Kado joined the faculty at Stanford and the Veteran's Association Medical Center, Palo Alto in April 2021 as Chief of Geriatric Research in the Geriatrics Section/Population Health and Primary Care. She completed her undergraduate education at Bryn Mawr College followed by medical school at Cornell University Medical College. Originally from Northern California, she returned back west to complete her medical residency in internal medicine and chief residency at Harbor-UCLA Medical Center. From there, she headed to UCSF for her post-doctoral research training in clinical research, followed by a Master's Degree of Science in Epidemiology at the UCLA School of Public Health sponsored by the John Hartford Foundation, and a clinical fellowship in geriatrics at UCLA. Her primary research focus has been on osteoporosis and the related disorder hyperkyphosis. She has enjoyed continuous funding from the NIH since she started on the UCLA faculty in 2000 and in 2007 defined hyperkyphosis as a new geriatric syndrome, first featured in the Annals of Internal Medicine and later as its own chapter in UpToDate. Prior to coming to Stanford, she was at UC San Diego where she started a dedicated osteoporosis clinic in 2013, and in about 2016, she has broadened her research interests from musculoskeletal aging to study all things aging, including such diverse topics as those involving the gut microbiome in older men and the effects of cancer treatments on aging in newly diagnosed breast cancer patients.

CLINICAL FOCUS

- Geriatric Medicine
- Bone Health Specialist

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Medicine - Primary Care and Population Health

ADMINISTRATIVE APPOINTMENTS

- Chief of Geriatrics Research, Stanford University School of Medicine, (2021- present)
- Director, Advanced Training in Geriatrics Fellowship, GRECC, Veterans Administration, Palo Alto, CA, (2021- present)

HONORS AND AWARDS

- Fellow, American Society of Bone and Mineral Research, American Society of Bone and Mineral Research (2020)

PROFESSIONAL EDUCATION

- Board Certification: Internal Medicine, American Board of Internal Medicine (2020)
- Board Certification: Geriatric Medicine, American Board of Internal Medicine (2000)
- Fellowship: University of California, Los Angeles; UCLA Division of Geriatrics (2000) CA
- Residency: Harbor UCLA Internal Medicine Residency (1995) CA
- Medical Education: Weill Cornell Medical College (1991) NY

Teaching

COURSES

2021-22

- Longevity: HUMBIO 149L, PSYCH 102 (Win)

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Endocrinology (Fellowship Program)
- Geriatric Medicine (Fellowship Program)

Publications

PUBLICATIONS

- **Follicle-stimulating hormone level and changes in bone mass and body composition in older women and men.** *The Journal of clinical endocrinology and metabolism*
Wu, K. C., Ewing, S. K., Li, X., Sigurdsson, S., Gudnason, V., Kado, D. M., Hue, T. F., Woods, G. N., Veldhuis-Vlug, A. G., Vittinghoff, E., Zaidi, M., Rosen, C. J., Lang, et al
2021
- **Hepatic Steatosis is Negatively Associated with Bone Mineral Density in Children** *JOURNAL OF PEDIATRICS*
Chun, L. F., Yu, E. L., Sawh, M., Bross, C., Nichols, J., Polgreen, L., Knott, C., Schlein, A., Sirlin, C. B., Middleton, M. S., Kado, D. M., Schwimmer, J. B.
2021; 233: 105+
- **Quantifying the Effects of Aging on Morphological and Cellular Properties of Human Female Pelvic Floor Muscles** *ANNALS OF BIOMEDICAL ENGINEERING*
Rieger, M., Duran, P., Cook, M., Schenk, S., Shah, M., Jacobs, M., Christman, K., Kado, D. M., Alperin, M.
2021
- **Gut microbiome pattern reflects healthy ageing and predicts survival in humans** *NATURE METABOLISM*
Wilmanski, T., Diener, C., Rappaport, N., Patwardhan, S., Wiedrick, J., Lapidus, J., Earls, J. C., Zimmer, A., Glusman, G., Robinson, M., Yurkovich, J. T., Kado, D. M., Cauley, et al
2021; 3 (2): 274+
- **Serum FSH Is Associated With BMD, Bone Marrow Adiposity, and Body Composition in the AGES-Reykjavik Study of Older Adults.** *The Journal of clinical endocrinology and metabolism*
Veldhuis-Vlug, A. G., Woods, G. N., Sigurdsson, S., Ewing, S. K., Le, P. T., Hue, T. F., Vittinghoff, E., Xu, K., Gudnason, V., Sigurdsson, G., Kado, D. M., Eiriksdottir, G., Harris, et al
2021; 106 (3): e1156-e1169
- **Association Between Variation in Red Cell Size and Multiple Aging-Related Outcomes.** *The journals of gerontology. Series A, Biological sciences and medical sciences*
Kim, K. M., Lui, L. Y., Browner, W. S., Cauley, J. A., Ensrud, K. E., Kado, D. M., Orwoll, E. S., Schousboe, J. T., Cummings, S. R.
2021; 76 (7): 1288-1294
- **Individual and joint trajectories of change in bone, lean mass and physical performance in older men.** *BMC geriatrics*
Cawthon, P. M., Parimi, N., Langsetmo, L., Cauley, J. A., Ensrud, K. E., Cummings, S. R., Lane, N. E., Hoffman, A. R., Lapidus, J., Gill, T. M., McCulloch, C. E., Stefanick, M. L., Kado, et al

2020; 20 (1): 161

- **Vitamin D metabolites and the gut microbiome in older men.** *Nature communications*
Thomas, R. L., Jiang, L., Adams, J. S., Xu, Z. Z., Shen, J., Janssen, S., Ackermann, G., Vanderschueren, D., Pauwels, S., Knight, R., Orwoll, E. S., Kado, D. M.
2020; 11 (1): 5997
- **Greater Bone Marrow Adiposity Predicts Bone Loss in Older Women.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*
Woods, G. N., Ewing, S. K., Sigurdsson, S., Kado, D. M., Eiriksdottir, G., Gudnason, V., Hue, T. F., Lang, T. F., Vittinghoff, E., Harris, T. B., Rosen, C., Xu, K., Li, et al
2020; 35 (2): 326-332
- **Age-associated changes in the mechanical properties of human cadaveric pelvic floor muscles.** *Journal of biomechanics*
Burnett, L. A., Cook, M., Shah, S., Michelle Wong, M., Kado, D. M., Alperin, M.
2020; 98: 109436
- **Response to: Some Questions About the Article "The Efficacy and Safety of Vertebral Augmentation: A Second ASBMR Task Force Report".** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*
Buchbinder, R., Ebeling, P. R., Akesson, K., Bauer, D. C., Eastell, R., Fink, H. A., Giangregorio, L., Guanabens, N., Kado, D., Kallmes, D., Katzman, W., Rodriguez, A., Wermers, et al
2020; 35 (1): 212-213
- **Associations between novel jump test measures, grip strength, and physical performance: the Osteoporotic Fractures in Men (MrOS) Study.** *Aging clinical and experimental research*
Winger, M. E., Caserotti, P., Cauley, J. A., Boudreau, R. M., Piva, S. R., Cawthon, P. M., Harris, T. B., Barrett-Connor, E., Fink, H. A., Kado, D. M., Strotmeyer, E. S.
2020; 32 (4): 587-595
- **Comparing Analytical Methods for the Gut Microbiome and Aging: Gut Microbial Communities and Body Weight in the Osteoporotic Fractures in Men (MrOS) Study.** *The journals of gerontology. Series A, Biological sciences and medical sciences*
Shardell, M., Parimi, N., Langsetmo, L., Tanaka, T., Jiang, L., Orwoll, E., Shikany, J. M., Kado, D. M., Cawthon, P. M.
2020; 75 (7): 1267-1275
- **Kyphosis and 3-year fall risk in community-dwelling older men.** *Osteoporosis international : a journal established as result of cooperation between the European Foundation for Osteoporosis and the National Osteoporosis Foundation of the USA*
McDaniels-Davidson, C., Nichols, J. F., Vaida, F., Marshall, L. M., Kado, D. M.
2020; 31 (6): 1097-1104
- **Hyperkyphosis and self-reported and objectively measured sleep quality in older men.** *PLoS one*
Kaufmann, C. N., Shen, J., Woods, G. N., Lane, N. E., Stone, K. L., Kado, D. M.
2020; 15 (2): e0228638
- **Factors Associated With Kyphosis and Kyphosis Progression in Older Men: The MrOS Study.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*
Woods, G. N., Huang, M. H., Lee, J. H., Cawthon, P. M., Fink, H. A., Schousboe, J. T., Kado, D. M.
2020; 35 (11): 2193-2198
- **Handwashing and Detergent Treatment Greatly Reduce SARS-CoV-2 Viral Load on Halloween Candy Handled by COVID-19 Patients.** *mSystems*
Salido, R. A., Morgan, S. C., Rojas, M. I., Magallanes, C. G., Marotz, C., DeHoff, P., Belda-Ferre, P., Aigner, S., Kado, D. M., Yeo, G. W., Gilbert, J. A., Laurent, L., Rohwer, et al
2020; 5 (6)
- **Association of dietary patterns with the gut microbiota in older, community-dwelling men.** *The American journal of clinical nutrition*
Shikany, J. M., Demmer, R. T., Johnson, A. J., Fino, N. F., Meyer, K., Ensrud, K. E., Lane, N. E., Orwoll, E. S., Kado, D. M., Zmuda, J. M., Langsetmo, L.
2019; 110 (4): 1003-1014
- **Breast cancer treatment and its effects on aging.** *Journal of geriatric oncology*
Chang, L., Weiner, L. S., Hartman, S. J., Horvath, S., Jeste, D., Mischel, P. S., Kado, D. M.
2019; 10 (2): 346-355
- **Temporal stability of urinary cadmium in samples collected several years apart in a population of older persons.** *International journal of hygiene and environmental health*

Meliker, J. R., Vacchi-Suzzi, C., Harrington, J., Levine, K., Lui, L. Y., Bauer, D. C., Orwoll, E., Kado, D. M.

2019; 222 (2): 230-234

- **The Efficacy and Safety of Vertebral Augmentation: A Second ASBMR Task Force Report.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*
Ebeling, P. R., Akesson, K., Bauer, D. C., Buchbinder, R., Eastell, R., Fink, H. A., Giangregorio, L., Guanabens, N., Kado, D., Kallmes, D., Katzman, W., Rodriguez, A., Wermers, et al
2019; 34 (1): 3-21
- **Correlates of T50 and relationships with bone mineral density in community-living older men: the osteoporotic fractures in men (MrOS) study.** *Osteoporosis international : a journal established as result of cooperation between the European Foundation for Osteoporosis and the National Osteoporosis Foundation of the USA*
Bullen, A. L., Anderson, C. A., Hooker, E. R., Kado, D. M., Orwoll, E., Pasch, A., Ix, J. H.
2019
- **Strong Relation between Muscle Mass Determined by D3-creatine Dilution, Physical Performance and Incidence of Falls and Mobility Limitations in a Prospective Cohort of Older Men.** *The journals of gerontology. Series A, Biological sciences and medical sciences*
Cawthon, P. M., Orwoll, E. S., Peters, K. E., Ensrud, K. E., Cauley, J. A., Kado, D. M., Stefanick, M. L., Shikany, J. M., Strotmeyer, E. S., Glynn, N. W., Caserotti, P. n., Shankaran, M. n., Hellerstein, et al
2018
- **Kyphosis and incident falls among community-dwelling older adults.** *Osteoporosis international : a journal established as result of cooperation between the European Foundation for Osteoporosis and the National Osteoporosis Foundation of the USA*
McDaniels-Davidson, C., Davis, A., Wing, D., Macera, C., Lindsay, S. P., Schousboe, J. T., Nichols, J. F., Kado, D. M.
2018; 29 (1): 163-169
- **Which Sleep Health Characteristics Predict All-Cause Mortality in Older Men? An Application of Flexible Multivariable Approaches.** *Sleep*
Wallace, M. L., Stone, K., Smagula, S. F., Hall, M. H., Simsek, B., Kado, D. M., Redline, S., Vo, T. N., Buysse, D. J.
2018; 41 (1)
- **Sex hormones are negatively associated with vertebral bone marrow fat.** *Bone*
Mistry, S. D., Woods, G. N., Sigurdsson, S., Ewing, S. K., Hue, T. F., Eiriksdottir, G., Xu, K., Hilton, J. F., Kado, D. M., Gudnason, V., Harris, T. B., Rosen, C. J., Lang, et al
2018; 108: 20-24
- **Associations of recent weight loss with health care costs and utilization among older women.** *PloS one*
Schousboe, J. T., Kats, A. M., Langsetmo, L., Taylor, B. C., Vo, T. N., Kado, D. M., Fink, H. A., Ensrud, K. E.
2018; 13 (1): e0191642
- **Patterns of menopausal hormone therapy use and hyperkyphosis in older women.** *Menopause (New York, N.Y.)*
Woods, G. N., Huang, M. H., Cawthon, P. M., McDaniels-Davidson, C., Fink, H. A., Kado, D. M.
2018; 25 (7): 738-743
- **Phylogenetic Placement of Exact Amplicon Sequences Improves Associations with Clinical Information.** *mSystems*
Janssen, S., McDonald, D., Gonzalez, A., Navas-Molina, J. A., Jiang, L., Xu, Z. Z., Winker, K., Kado, D. M., Orwoll, E., Manary, M., Mirarab, S., Knight, R.
2018; 3 (3)
- **Chronic Kidney Disease Is Associated With Greater Bone Marrow Adiposity.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*
Woods, G. N., Ewing, S. K., Sigurdsson, S., Kado, D. M., Ix, J. H., Hue, T. F., Eiriksdottir, G., Xu, K., Gudnason, V., Lang, T. F., Vittinghoff, E., Harris, T. B., Rosen, et al
2018; 33 (12): 2158-2164
- **The relationships between physical performance, activity levels and falls in older men.** *The journals of gerontology. Series A, Biological sciences and medical sciences*
Orwoll, E. S., Fino, N. F., Gill, T. M., Cauley, J. A., Strotmeyer, E. S., Ensrud, K. E., Kado, D. M., Barrett-Connor, E., Bauer, D. C., Cawthon, P. M., Lapidus, J.
2018
- **Metabolic Syndrome Does Not Modify the Association between Obesity and Hip Osteoarthritis**
Cheng, K., Ball, S., Schenk, S., Strotmeyer, E., Schousboe, J., Stefanick, M., Barrett-Connor, E., Kado, D., Nevitt, M., Lane, N. E., Orwoll, E., Hughes-Austin, J. M.

WILEY.2017

- **Impact of Competing Risk of Mortality on Association of Weight Loss With Risk of Central Body Fractures in Older Men: A Prospective Cohort Study** *JOURNAL OF BONE AND MINERAL RESEARCH*
Ensrud, K. E., Harrison, S. L., Cauley, J. A., Langsetmo, L., Schousboe, J. T., Kado, D. M., Gourlay, M. L., Lyons, J. G., Fredman, L., Napoli, N., Crandall, C. J., Lewis, C. E., Orwoll, et al
2017; 32 (3): 624-632
- **Bone Loss at the Hip and Subsequent Mortality in Older Men: The Osteoporotic Fractures in Men (MrOS) Study.** *JBM plus*
Cawthon, P. M., Patel, S. n., Ewing, S. K., Lui, L. Y., Cauley, J. A., Lyons, J. G., Fredman, L. n., Kado, D. M., Hoffman, A. R., Lane, N. E., Ensrud, K. E., Cummings, S. R., Orwoll, et al
2017; 1 (1): 31-35
- **Cross-Sectional and Longitudinal Associations of Diffuse Idiopathic Skeletal Hyperostosis and Thoracic Kyphosis in Older Men and Women.** *Arthritis care & research*
Katzman, W. B., Parimi, N., Mansoori, Z., Nardo, L., Kado, D. M., Cawthon, P. M., Marshall, L. M., Schousboe, J. T., Lane, N. E.
2017; 69 (8): 1245-1252
- **A Prospective Study of Back Pain and Risk of Falls Among Older Community-dwelling Men.** *The journals of gerontology. Series A, Biological sciences and medical sciences*
Marshall, L. M., Litwack-Harrison, S., Makris, U. E., Kado, D. M., Cawthon, P. M., Deyo, R. A., Carlson, N. L., Nevitt, M. C.
2017; 72 (9): 1264-1269
- **Trunk lean mass and its association with 4 different measures of thoracic kyphosis in older community dwelling persons.** *PloS one*
Yamamoto, J., Bergstrom, J., Davis, A., Wing, D., Schousboe, J. T., Nichols, J. F., Kado, D. M.
2017; 12 (4): e0174710
- **Diffuse Idiopathic Skeletal Hyperostosis (DISH) and Impaired Physical Function: The Rancho Bernardo Study.** *Journal of the American Geriatrics Society*
Katzman, W. B., Huang, M. H., Kritz-Silverstein, D., Barrett-Connor, E., Kado, D. M.
2017; 65 (7): 1476-1481
- **Targeted spine strengthening exercise and posture training program to reduce hyperkyphosis in older adults: results from the study of hyperkyphosis, exercise, and function (SHEAF) randomized controlled trial.** *Osteoporosis international : a journal established as result of cooperation between the European Foundation for Osteoporosis and the National Osteoporosis Foundation of the USA*
Katzman, W. B., Vittinghoff, E., Lin, F., Schafer, A., Long, R. K., Wong, S., Gladin, A., Fan, B., Allaire, B., Kado, D. M., Lane, N. E.
2017; 28 (10): 2831-2841
- **Association of Incident, Clinically Undiagnosed Radiographic Vertebral Fractures With Follow-Up Back Pain Symptoms in Older Men: the Osteoporotic Fractures in Men (MrOS) Study.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*
Fink, H. A., Litwack-Harrison, S., Ensrud, K. E., Shen, J., Schousboe, J. T., Cawthon, P. M., Cauley, J. A., Lane, N. E., Taylor, B. C., Barrett-Connor, E., Kado, D. M., Cummings, S. R., Marshall, et al
2017; 32 (11): 2263-2268
- **Comparison of fracture risk assessment tools in older men without prior hip or spine fracture: the MrOS study.** *Archives of osteoporosis*
Gourlay, M. L., Ritter, V. S., Fine, J. P., Overman, R. A., Schousboe, J. T., Cawthon, P. M., Orwoll, E. S., Nguyen, T. V., Lane, N. E., Cummings, S. R., Kado, D. M., Lapidus, J. A., Diem, et al
2017; 12 (1): 91
- **Effect of Combination Folic Acid, Vitamin B6 , and Vitamin B12 Supplementation on Fracture Risk in Women: A Randomized, Controlled Trial.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*
Stone, K. L., Lui, L. Y., Christen, W. G., Troen, A. M., Bauer, D. C., Kado, D., Schambach, C., Cummings, S. R., Manson, J. E.
2017; 32 (12): 2331-2338
- **Impact of Competing Risk of Mortality on Association of Weight Loss with Risk of Central Body Fractures in Older Men: A Prospective Cohort Study.** *Journal of bone and mineral research*
Ensrud, K. E., Harrison, S. L., Cauley, J. A., Langsetmo, L., Schousboe, J. T., Kado, D. M., Gourlay, M. L., Lyons, J. G., Fredman, L., Napoli, N., Crandall, C. J., Lewis, C. E., Orwoll, et al
2016
- **Risk Factors for Hip Fracture in Older Men: The Osteoporotic Fractures in Men Study (MrOS).** *Journal of bone and mineral research*
Cauley, J. A., Cawthon, P. M., Peters, K. E., Cummings, S. R., Ensrud, K. E., Bauer, D. C., Taylor, B. C., Shikany, J. M., Hoffman, A. R., Lane, N. E., Kado, D. M., Stefanick, M. L., Orwoll, et al

2016; 31 (10): 1810-1819

- **Sex hormones, sex hormone binding globulin, and vertebral fractures in older men** *BONE*
Cawthon, P. M., Schousboe, J. T., Harrison, S. L., Ensrud, K. E., Black, D., Cauley, J. A., Cummings, S. R., LeBlanc, E. S., Laughlin, G. A., Nielson, C. M., Broughton, A., Kado, D. M., Hoffman, et al
2016; 84: 271-278
- **The association between bone turnover markers and kyphosis in community-dwelling older adults.** *Bone reports*
McDaniels-Davidson, C. R., Kritiz-Silverstein, D., Huang, M. H., Laughlin, G. A., Johnson, S., Haapalahti, J., Schneider, D. L., Barrett-Connor, E., Kado, D. M.
2016; 5: 57-61
- **Degree of Trauma Differs for Major Osteoporotic Fracture Events in Older Men Versus Older Women.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*
Ensrud, K. E., Blackwell, T. L., Cawthon, P. M., Bauer, D. C., Fink, H. A., Schousboe, J. T., Black, D. M., Orwoll, E. S., Kado, D. M., Cauley, J. A., Mackey, D. C.
2016; 31 (1): 204-7
- **Study of Hyperkyphosis, Exercise and Function (SHEAF) Protocol of a Randomized Controlled Trial of Multimodal Spine-Strengthening Exercise in Older Adults With Hyperkyphosis.** *Physical therapy*
Katzman, W. B., Vittinghoff, E., Kado, D. M., Schafer, A. L., Wong, S. S., Gladin, A., Lane, N. E.
2016; 96 (3): 371-81
- **Clinical utility of routine laboratory testing to identify possible secondary causes in older men with osteoporosis: the Osteoporotic Fractures in Men (MrOS) Study.** *Osteoporosis international : a journal established as result of cooperation between the European Foundation for Osteoporosis and the National Osteoporosis Foundation of the USA*
Fink, H. A., Litwack-Harrison, S., Taylor, B. C., Bauer, D. C., Orwoll, E. S., Lee, C. G., Barrett-Connor, E., Schousboe, J. T., Kado, D. M., Garimella, P. S., Ensrud, K. E.
2016; 27 (1): 331-8
- **Correlations among four measures of thoracic kyphosis in older adults.** *Osteoporosis international : a journal established as result of cooperation between the European Foundation for Osteoporosis and the National Osteoporosis Foundation of the USA*
Tran, T. H., Wing, D., Davis, A., Bergstrom, J., Schousboe, J. T., Nichols, J. F., Kado, D. M.
2016; 27 (3): 1255-1259
- **A Prospective Study of Back Pain and Risk of Falls Among Older Community-dwelling Women.** *The journals of gerontology. Series A, Biological sciences and medical sciences*
Marshall, L. M., Litwack-Harrison, S., Cawthon, P. M., Kado, D. M., Deyo, R. A., Makris, U. E., Carlson, H. L., Nevitt, M. C.
2016; 71 (9): 1177-83
- **Thoracic kyphosis and rate of incident vertebral fractures: the Fracture Intervention Trial.** *Osteoporosis international : a journal established as result of cooperation between the European Foundation for Osteoporosis and the National Osteoporosis Foundation of the USA*
Katzman, W. B., Vittinghoff, E., Kado, D. M., Lane, N. E., Ensrud, K. E., Shipp, K.
2016; 27 (3): 899-903
- **Time to Osteoporosis and Major Fracture in Older Men: The MrOS Study.** *American journal of preventive medicine*
Gourlay, M. L., Overman, R. A., Fine, J. P., Filteau, G., Cawthon, P. M., Schousboe, J. T., Orwoll, E. S., Wilt, T. J., Nguyen, T. V., Lane, N. E., Szulc, P., Taylor, B. C., Dam, et al
2016; 50 (6): 727-736
- **What Proportion of Incident Radiographic Vertebral Fractures in Older Men Is Clinically Diagnosed and Vice Versa: A Prospective Study.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*
Ensrud, K. E., Blackwell, T. L., Fink, H. A., Zhang, J., Cauley, J. A., Cawthon, P. M., Black, D. M., Bauer, D. C., Curtis, J. R., Orwoll, E. S., Barrett-Connor, E., Kado, D. M., Marshall, et al
2016; 31 (8): 1500-3
- **SHBG, Sex Steroids, and Kyphosis in Older Men: The MrOS Study.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*
Woods, G. N., Huang, M. H., Cawthon, P. M., Laughlin, G. A., Schousboe, J. T., McDaniels-Davidson, C., Cauley, J. A., Orwoll, E., Barrett-Connor, E., Kado, D. M.
2016; 31 (12): 2123-2128
- **Evaluation of the Usefulness of Consensus Definitions of Sarcopenia in Older Men: Results from the Observational Osteoporotic Fractures in Men Cohort Study** *JOURNAL OF THE AMERICAN GERIATRICS SOCIETY*

- Cawthon, P. M., Blackwell, T. L., Cauley, J., Kado, D. M., Barrett-Connor, E., Lee, C. G., Hoffman, A. R., Nevitt, M., Stefanick, M. L., Lane, N. E., Ensrud, K. E., Cummings, S. R., Orwoll, et al
2015; 63 (11): 2247-2259
- **Risk of Nonspine Fractures in Older Adults with Sarcopenia, Low Bone Mass, or Both** *JOURNAL OF THE AMERICAN GERIATRICS SOCIETY*
Chalhoub, D., Cawthon, P. M., Ensrud, K. E., Stefanick, M. L., Kado, D. M., Boudreau, R., Greenspan, S., Newman, A. B., Zmuda, J., Orwoll, E. S., Cauley, J. A.
2015; 63 (9): 1733-1740
 - **Spatial Cognition in Adult and Aged Mice Exposed to High-Fat Diet.** *PLoS one*
Kesby, J. P., Kim, J. J., Scadeng, M., Woods, G., Kado, D. M., Olefsky, J. M., Jeste, D. V., Achim, C. L., Semenova, S.
2015; 10 (10): e0140034
 - **Physical function in older men with hyperkyphosis.** *The journals of gerontology. Series A, Biological sciences and medical sciences*
Katzman, W. B., Harrison, S. L., Fink, H. A., Marshall, L. M., Orwoll, E., Barrett-Connor, E., Cawthon, P. M., Kado, D. M.
2015; 70 (5): 635-40
 - **Kyphosis and Sleep Characteristics in Older Persons: The Rancho Bernardo Study.** *Journal of sleep disorders and management*
Wankie, C., Kritiz-Silverstein, D., Barrett-Connor, E., Kado, D. M.
2015; 1 (1)
 - **Risk factors for hip fracture in older men: The Osteoporotic Fractures in Men Study (MrOS).**
Cauley, J., Cawthon, P., Peters, K., Cummings, S., Ensrud, K., Bauer, D., Taylor, B., Shikany, J. M., Hoffman, A., Lane, N., Kado, D., Orwoll, E.
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