Stanford



# Deborah Kado

Professor of Medicine (Primary Care and Population Health) and, by courtesy, of Epidemiology and Population Health

Medicine - Primary Care and Population Health


**CLINICAL OFFICE (PRIMARY)**

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## Bio

### BIO

Dr. Kado is a board-certified, fellowship-trained doctor specializing in geriatrics. She serves as co-director of the Stanford Longevity Center. She is a professor of medicine and chief of research for the Geriatrics Section in the Department of Medicine, Division of Primary Care and Population Health. She is also the Director of the Geriatric Research, Education, and Clinical Center (GRECC) at VA Palo Alto Health Care System.

For each patient, Dr. Kado prepares a personalized care plan. Her objective is to help all individuals maintain the best possible health and quality of life as they age.

A special interest of Dr. Kado is bone health. She has conducted extensive research focused on osteoporosis and the related disorder hyperkyphosis. Since joining the UCLA faculty in 2000, she has received continuous funding for her research from the National Institutes of Health (NIH).

She has over 100 peer-reviewed publications of her research findings in the Journal of Bone and Mineral Research, Osteoporosis International, Journal of Gerontology and Medical Sciences, Journal of Geriatric Oncology, Nature Communications, and other peer-reviewed journals.

In 2007, she defined hyperkyphosis as a new geriatric syndrome. Her discoveries in this field were first featured in the American College or Physician's premier internal medicine journal Annals of Internal Medicine. Later, they also appeared in a dedicated chapter in UpToDate, the electronic resource providing evidence-based clinical decision support for doctors worldwide.

Prior to coming to Stanford, Dr. Kado practiced at UC San Diego where she started a dedicated osteoporosis clinic for patient care and research. She later broadened her research interests beyond musculoskeletal aging to study other aging-related topics such as the gut microbiome in older men and the effects of cancer treatments on aging in newly diagnosed breast cancer patients.

Dr. Kado is a California native. She trained at UCSF and UCLA. She also earned a Master of Science degree in epidemiology at the UCLA School of Public Health, sponsored by the John Hartford Foundation.

She is a member of the American Geriatrics Society, American Society of Bone and Mineral Research, Gerontological Society of America, The Endocrine Society, and other professional organizations. She co-chairs the NIH National Institute on Aging Workshop for the American Society of Bone and Mineral Research. She also participates in the Bone Health Working Group of the Society for Women's Health Research.

### CLINICAL FOCUS

- Bone Health Specialist
- Internal Medicine
- Geriatric Medicine

### ACADEMIC APPOINTMENTS

- Professor-Univ Med Line, Medicine - Primary Care and Population Health
- Professor-Univ Med Line (By courtesy), Epidemiology and Population Health
- Member, Wu Tsai Human Performance Alliance

### ADMINISTRATIVE APPOINTMENTS

- Director of the Geriatric Research Education Clinical Center (GRECC), GRECC, Veterans Health Administration, Palo Alto, CA, (2023- present)
- Chief of Geriatrics Research, Stanford University School of Medicine, (2021- present)
- Co-Director, Stanford Longevity Center, (2021- present)
- Director, Advanced Training in Geriatrics Fellowship, GRECC, Veterans Health Administration, Palo Alto, CA, (2021-2026)

### HONORS AND AWARDS

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

### PROFESSIONAL EDUCATION

- Board Certification: Geriatric Medicine, American Board of Internal Medicine (2000)
- Board Certification: Internal Medicine, American Board of Internal Medicine (2020)
- Fellowship: University of California, Los Angeles; UCLA Division of Geriatrics (2000) CA
- M.S., UCLA School of Public Health , Epidemiology (1999)
- Master's Clinical Research, University of California, San Francisco , Clinical Research (1998)
- Residency: Harbor UCLA Internal Medicine Residency (1995) CA
- Medical Education: Weill Cornell Medical College (1991) NY
- A.B., Bryn Mawr College , Biology (1987)

## Teaching

### COURSES

**2026-27**

- Being Mortal: Medicine, Mortality and Caring for Older Adults: MED 296 (Aut, Spr)

**2025-26**

- Being Mortal: Medicine, Mortality and Caring for Older Adults: MED 296 (Aut, Spr)

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

**2024-25**

- Being Mortal: Medicine, Mortality and Caring for Older Adults: MED 296 (Aut, Spr)

**2023-24**

- Being Mortal: Medicine, Mortality and Caring for Older Adults: MED 296 (Aut, Spr)
- Longevity: HUMBIO 149L, PSYCH 102 (Win)

### STANFORD ADVISEES

**Master's Program Advisor**

Anjali Nambiar

### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

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

## Publications

### PUBLICATIONS

- **Circumstances of fall-related fracture events among men in late life.** *Osteoporosis international : a journal established as result of cooperation between the European Foundation for Osteoporosis and the National Osteoporosis Foundation of the USA*
  Ensrud, K. E., Patel, S., Langsetmo, L., Cawthon, P. M., Fink, H. A., Schousboe, J. T., Kado, D., Orwoll, E. S.
  2026
- **Comparative evaluation of time-to-event analysis methods for mobility limitation in older adults: A multi-cohort benchmarking study.** *Experimental gerontology*
  Speiser, J. L., Falvey, J. R., Houston, D. K., Cawthon, P. M., Chen, C., Ginsberg, C., Kado, D. M., Odden, M. C., Patel, S., Simonsick, E. M., Xue, Q. L., Shardell, M.
  2026; 226: 113363
- **Survey Authentication Challenges During a Geriatrics Knowledge Assessment Pilot.** *Journal of the American Geriatrics Society*
  Rangan, A., Wang, M., Varma, M., Shavit, Y., Pelletier, S., Sundquist, E. N., Kado, D., Schwartz, A.
  2026
- **Association of the vitamin D metabolite ratio with bone turnover markers and changes in volumetric BMD** *JBMR PLUS*
  Mulligan, E., Blackwell, T., Hoofnagle, A. N., Potok, O., Cauley, J. A., Burghardt, A. J., Ensrud, K., Kado, D. M., Ix, J. H., Orwoll, E., Cawthon, P. M., Ginsberg, C.
  2026; 10 (5)
- **Association of radiomic features of skeletal muscle on CT images with muscle function and physical performance in older men.** *Age and ageing*
  Hetherington-Rauth, M., Mansfield, T. A., Lenchik, L., Weaver, A. A., Kado, D. M., Lane, N. E., Orwoll, E., Cawthon, P. M.
  2026; 55 (3)
- **The Osteoporotic Fractures in Men Study (MrOS): a 25-year landmark study of skeletal health in older men.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*
  Cauley, J. A., Cawthon, P. M., Ensrud, K., Fink, H. A., Ginsberg, C., Kado, D. M., Langsetmo, L., Schousboe, J. T., Strotmeyer, E. S., Cummings, S. R., Orwoll, E. S.
  2026
- **Leg Power and Velocity Predict the Risk of Major Osteoporotic Fractures (MOF): 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*
  Yu, T., Strotmeyer, E. S., Heilmann, N. Z., Kado, D. M., Ensrud, K., Knueven, M. W., Caserotti, P., Cawthon, P., Cauley, J. A.
  2026

- **Exploratory survey study of differences in knowledge, attitudes, and practices of outpatient older adult clinical care between dermatologists, primary care physicians and geriatricians across three academic medical centers.** *BMC geriatrics*
  Zhong, X., Sia, T., Perry, W. M., Li, S., Park, C., Tee, S., Kado, D. M., Yeung, H., Abuabara, K., Chang, A. L.
  2026
- **FSH and longitudinal changes in bone marrow adipose tissue composition in older adults.** *Bone*
  Kim, T. Y., Hue, T. F., Ewing, S. K., Li, X., Sigurðsson, S., Guðnason, V., Vlug, A. G., Kado, D. M., Vittinghoff, E., Wu, K. C., Koh, E. H., Rosen, C. J., Zaidi, et al
  2025: 117758
- **A Novel, Multi-Institutional Geriatrics Assessment Identifies Knowledge Gaps in Health Professions Trainees**
  Rangan, A., Varma, M., Jantea, R., Wang, M., Shavit, Y., Pelletier, S., Schwartz, A., Kado, D.
  OXFORD UNIV PRESS.2025: 1098-1099
- **Metabolomic Biomarkers of Rest-Activity Rhythms in Older Men: results from the Osteoporotic Fractures in Men study (MrOS) Study.** *Sleep*
  Zhang, L., Viola Lee, K. A., Stone, K., LaCroix, A., Shadyab, A. H., Yaffe, K., Redline, S., Kado, D., Yeung, C. H., Wang, S., Huang, Y., Xiao, Q.
  2025
- **Knowledge, attitudes, and beliefs about balance among adults in the United States.** *SAGE open medicine*
  Rovzar, C. M., Tee, S., Calvachi, P., Ganapathy, A., Knauer, A., Brezoczky, K., Phelan, E. A., Kado, D. M.
  2025; 13: 20503121251374966
- **Around the EQUATOR With Clin-STAR: AI-Based Randomized Controlled Trial Challenges and Opportunities in Aging Research.** *Journal of the American Geriatrics Society*
  Yang, B., Park, C., Lin, S., Muralidharan, V., Kado, D. M.
  2025
- **GRADUATING MEDICAL STUDENTS' PERFORMANCE ON A GERIATRICS KNOWLEDGE TEST IS ASSOCIATED WITH ATTITUDES**
  Rangan, A., Shavit, Y., Kado, D.
  OXFORD UNIV PRESS.2024: 175
- **Proceedings of the 2024 Santa Fe Bone Symposium: Update on the Management of Osteoporosis and Rare Bone Diseases.** *Journal of clinical densitometry : the official journal of the International Society for Clinical Densitometry*
  Lewiecki, E. M., Bilezikian, J. P., Clark, A., Collins, M. T., Kado, D. M., Lane, J., Langdahl, B., McClung, M. R., Snyder, P. J., Stein, E. M.
  2024; 28 (1): 101559
- **Neighborhood Socioeconomic Deprivation and Health Care Costs in Older Community-Dwelling Adults: Importance of Functional Impairment and Frailty.** *Journal of general internal medicine*
  Schousboe, J. T., Langsetmo, L., Kats, A. M., Taylor, B. C., Boyd, C., Van Riper, D., Kado, D. M., Duan-Porter, W., Cawthon, P. M., Ensrud, K. E.
  2024
- **Hip Fracture Risk Assessment Tools for Adults Aged 80 Years and Older.** *JAMA network open*
  Ensrud, K. E., Schousboe, J. T., Crandall, C. J., Leslie, W. D., Fink, H. A., Cawthon, P. M., Kado, D. M., Lane, N. E., Cauley, J. A., Langsetmo, L.
  2024; 7 (6): e2418612
- **Difference between kidney function by cystatin C versus creatinine and association with muscle mass and frailty.** *Journal of the American Geriatrics Society*
  Yuan, J. H., Rifkin, D. E., Ginsberg, C., Cawthon, P. M., Kado, D. M., Bauer, S. R., Ensrud, K. E., Hoffman, A. R., Potok, O. A.
  2024
- **Replacing sedentary time for physical activity: Does intensity matter for body composition in oldest-old adults?** *Journal of sports sciences*
  Hetherington-Rauth, M., Webber, K., Roe, L. S., Hoffman, A. R., Kado, D., Langsetmo, L., Orwoll, E. S., Cawthon, P.
  2024: 1-10
- **Balancing fracture risk versus risk of mortality before fracture among women aged 80 years or older.** *Journal of the American Geriatrics Society*
  Schousboe, J. T., Langsetmo, L., Fink, H. A., Kado, D. M., Cauley, J. A., Taylor, B. C., Ensrud, K. E.
  2024
- **A protocol for the prospective study of urinary cadmium with risk of fracture, bone loss, and muscle loss.** *JBMR plus*

de la Bastide, C., Soares, L., Lui, L. Y., Harrington, J., Cawthon, P., Orwoll, E., Kado, D., Meliker, J.
2024; 8 (2): ziad006

- **Associations between Walking Speed and Gut Microbiome Composition in Older Men from the MrOS Study.** *The journals of gerontology. Series A, Biological sciences and medical sciences*
  Farsijani, S., Cauley, J. A., Cawthon, P. M., Langsetmo, L., Orwoll, E. S., Kado, D. M., Kiel, D. P., Newman, A. B.
  2024
- **Night-to-Night Sleep Duration Variability and Gut Microbial Diversity: More Evidence for a Brain-Gut Microbiome-Sleep Connection.** *Sleep*
  Kado, D. M.
  2024
- **Optimizing exoskeleton assistance to improve walking speed and energy economy for older adults.** *Journal of neuroengineering and rehabilitation*
  Lakmazaheri, A., Song, S., Vuong, B. B., Biskner, B., Kado, D. M., Collins, S. H.
  2024; 21 (1): 1
- **ASSOCIATIONS BETWEEN WALKING SPEED AND GUT MICROBIOME DIVERSITY IN OLDER MEN FROM THE MROS STUDY**
  Farsijani, S., Cauley, J., Cawthon, P., Langsetmo, L., Orwoll, E., Newman, A., Kado, D.
  OXFORD UNIV PRESS.2023: 600
- **Breaking Up Sedentary Time Reduces Recurrent Fall Risk, but Not Incident Fracture Risk in Older Men.** *JBMR plus*
  Roe, L. S., Harrison, S., Cawthon, P. M., Ensrud, K., Gabriel, K. P., Kado, D. M., Cauley, J. A.
  2023; 7 (12): e10803
- **Force Plate Leg Power and Velocity Was Associated With the Risk of Major Osteoporotic Fractures (MOF): the Osteoporotic Fractures in Men Study (MrOS)**
  Yu, T., Strotmeyer, E., Heilmann, N., Kado, D., Ensrud, K., Winger, M., Caserotti, P., Cawthon, P., Cauley, J.
  OXFORD UNIV PRESS.2023: 177
- **The Vitamin D Metabolite Ratio Is Associated with Volumetric Bone Density in Older Men**
  Ginsberg, C., Blackwell, T. L., Cheng, J., Potok, O., Cauley, J., Ensrud, K. E., Hsu, S., Kado, D. M., Orwoll, E., Cawthon, P. M., Ix, J. H.
  AMER SOC NEPHROLOGY.2023: 126
- **The Vitamin D Metabolite Ratio and Incident Cardiovascular Disease: The Multi-Ethnic Study of Atherosclerosis**
  Cheng, J., Hoofnagle, A. N., Katz, R., Hsu, S., Kado, D. M., Budoff, M. J., Kestenbaum, B. R., Michos, E. D., Miller, L. M., Ix, J. H., de Boer, I. H., Ginsberg, C.
  AMER SOC NEPHROLOGY.2023: 636
- **The Vitamin D Metabolite Ratio is Associated with Volumetric Bone Density in Older Men.** *The Journal of clinical endocrinology and metabolism*
  Ginsberg, C., Blackwell, T., Cheng, J. H., Potok, O. A., Cauley, J. A., Ensrud, K., Hsu, S., Kado, D. M., Orwoll, E., Cawthon, P. M., Ix, J. H.
  2023
- **A two-cohort study on the association between the gut microbiota and bone density, microarchitecture, and strength.** *Frontiers in endocrinology*
  Okoro, P. C., Orwoll, E. S., Huttenhower, C., Morgan, X., Kuntz, T. M., McIver, L. J., Dufour, A. B., Bouxsein, M. L., Langsetmo, L., Farsijani, S., Kado, D. M., Pacifici, R., Sahni, et al
  2023; 14: 1237727
- **Breaking Up Sedentary Time Reduces Recurrent Fall Risk, but Not Incident Fracture Risk in Older Men** *JBMR PLUS*
  Roe, L. S., Harrison, S., Cawthon, P. M., Ensrud, K., Gabriel, K., Kado, D. M., Cauley, J. A., Osteoporotic Fractures Men MrOS S
  2023
- **Advantages and Disadvantages of Random Forest Models for Prediction of Hip Fracture Risk Versus Mortality Risk in the Oldest Old.** *JBMR plus*
  Langsetmo, L., Schousboe, J. T., Taylor, B. C., Cauley, J. A., Fink, H. A., Cawthon, P. M., Kado, D. M., Ensrud, K. E.
  2023; 7 (8): e10757
- **Advantages and Disadvantages of Random Forest Models for Prediction of Hip Fracture Risk Versus Mortality Risk in the Oldest Old** *JBMR PLUS*

Langsetmo, L. T., Schousboe, J. C., Taylor, B. A., Cauley, J. A., Fink, H. M., Cawthon, P. M., Kado, D. E., Ensrud, K., Osteoporotic Fractures Men
2023

- **The Association of Intensive Blood Pressure Treatment and Non-Fatal Cardiovascular or Serious Adverse Events in Older Adults with Mortality: Mediation Analysis in SPRINT.** *European journal of preventive cardiology*
  Krishnaswami, A., Rich, M. W., Kwak, M. J., Goyal, P., Forman, D. E., Damluji, A. A., Solomon, M., Rana, J. S., Kado, D. M., Odden, M. C.
  2023
- **Associations of Lean Mass, Muscular Strength, and Physical Function with Trabecular Bone Score in Older Adults.** *Journal of clinical densitometry : the official journal of the International Society for Clinical Densitometry*
  Seaton, M. P., Nichols, J. F., Rauh, M. J., Kado, D. M., Wetherell, J. L., Lenze, E. J., Wing, D.
  2023: 101370
- **CAN MUSCLE MASS EXPLAIN THE RELATIONSHIP BETWEEN EGFRDIFF (=EGFRCYSEGFRCR) AND FRAILTY IN OLDER MEN?**
  Yuan, J. H., Rifkin, D. E., Ginsberg, C., Cawthon, P., Kado, D. M., Bauer, S. R., Ensrud, K., Hoffman, A., Potok, O.
  W B SAUNDERS CO-ELSEVIER INC.2023: S127
- **Vitamin D Metabolite Ratio and Coronary Artery Calcification in the Multi-Ethnic Study of Atherosclerosis.** *Circulation. Cardiovascular imaging*
  Ginsberg, C., Hoofnagle, A. N., Katz, R., Cheng, J. H., Hsu, S., Budoff, M. J., Kado, D. M., Kestenbaum, B., Siscovick, D. S., Michos, E. D., Ix, J. H., de Boer, I. H.
  2023; 16 (3): e015055
- **FSH, BMAT Composition, and Longitudinal Changes in BMAT in Older Adults**
  Kim, T., Hue, T., Ewing, S., Li, X., Sigurosson, S., Guonason, V., Velduis-Vlug, A., Kado, D., Vittinghoff, E., Wu, K., Koh, E., Rosen, C., Zaidi, et al
  WILEY.2023: 219
- **Performance of FRAX and Garvan Fracture Risk Assessment Tools in Hip Fracture Prediction in US Adults Aged 80 Year and Older: Findings from the Study of Osteoporotic Fractures (SOF) and Osteoporotic Fractures in Men (MrOS) Study**
  Ensrud, K., Schousboe, J., Fink, H., Leslie, W., Taylor, B., Cawthon, P., Kado, D., Lane, N., Crandall, C., Cauley, J., Langsetmo, L.
  WILEY.2023: 40
- **Balancing Fracture Risk versus Risk of Mortality Before Fracture Among Women Age 80 Years or Older**
  Schousboe, J., Langsetmo, L., Fink, H., Kado, D., Cauley, J., Taylor, B., Ensrud, K.
  WILEY.2023: 79
- **Machine Learning Approach to Prediction of 5-year Fracture Risk vs. 5-year Mortality Risk in Men in Late Life**
  Langsetmo, L., Schousboe, J. T., Taylor, B. C., Cauley, J. A., Fink, H. A., Cawthon, P. M., Stefanick, M. L., Kado, D. M., Ensrud, K. E.
  WILEY.2023: 77-78
- **The Association of Metabolic Syndrome and Obesity With Clinical Hip Osteoarthritis in the Study of Osteoporotic Fractures and the Osteoporotic Fractures in Men Study Cohorts.** *ACR open rheumatology*
  Cheng, K. Y., Strotmeyer, E. S., Kado, D. M., Schousboe, J. T., Schenk, S., Nevitt, M., Lane, N. E., Hughes-Austin, J. M.
  2023
- **Association of subjective and objective measures of sleep with gut microbiota composition and diversity in older men: The Osteoporotic Fractures in Men (MrOS) study.** *The journals of gerontology. Series A, Biological sciences and medical sciences*
  Estaki, M., Langsetmo, L., Shardell, M., Mischel, A., Jiang, L., Zhong, Y., Kaufmann, C., Knight, R., Stone, K., Kado, D.
  2023
- **THE ASSOCIATION BETWEEN OBJECTIVE MEASURES OF INTERMITTENT SEDENTARY BREAKS WITH RECURRENT FALL RISK IN OLDER MEN**
  Roe, L., Harrison, S., Cawthon, P., Ensrud, K., Gabriel, K., Kado, D., Cauley, J.
  OXFORD UNIV PRESS.2022: 106-107
- **The Vitamin D Metabolite Ratio and Coronary Artery Calcification in the Multi-Ethnic Study of Atherosclerosis**
  Ginsberg, C., Hoofnagle, A. N., Katz, R., Cheng, J., Hsu, S., Budoff, M. J., Kado, D. M., Kestenbaum, B. R., Michos, E. D., Siscovick, D., Ix, J. H., de Boer, I. H.
  AMER SOC NEPHROLOGY.2022: 653
- **Hyperkyphosis and mortality risk in older men: The osteoporotic fractures in men study.** *Journal of the American Geriatrics Society*

Cours, A., Huang, M., Fink, H., Ensrud, K. E., Schousboe, J. T., Katzman, W., Schneider, D., Lane, N. E., Cawthon, P., Kado, D. M.
2022

- **Associations of 24-hour Light Exposure and Activity Patterns and Risk of Cognitive Impairment and Decline in Older Men: The MrOS Sleep Study.** *The journals of gerontology. Series A, Biological sciences and medical sciences*
  Blackwell, T. L., Figueiro, M. G., Tranah, G. J., Zeitzer, J. M., Yaffe, K., Ancoli-Israel, S., Kado, D. M., Ensrud, K. E., Lane, N. E., Leng, Y., Stone, K. L., Osteoporotic Fractures in Men (MrOS) Study Group
  2022

- **Associations Of Lean Mass And Muscular Strength With Trabecular Bone Score In Older Adults**
  Seaton, M., Wing, D., Shen, J., Rauh, M. J., Kado, D., Godino, J. G., Nichols, J. F.
  LIPPINCOTT WILLIAMS & WILKINS.2022: 37

- **Characteristics Associated with 5-year Fracture Risk vs. 5-year Mortality Risk Among Late-life Men.** *The journals of gerontology. Series A, Biological sciences and medical sciences*
  Langsetmo, L., Schousboe, J. T., Taylor, B. C., Cauley, J. A., Fink, H. A., Cawthon, P. M., Stefanick, M. L., Kado, D. M., Kats, A. M., Ensrud, K. E., Osteoporotic Fractures in Men (MrOS) Research Group
  2022

- **Lower Leg Power and Grip Strength are Associated with Increased Fall Injury Risk in Older Men: the Osteoporotic Fractures in Men (MrOS) Study.** *The journals of gerontology. Series A, Biological sciences and medical sciences*
  Winger, M. E., Caserotti, P., Cauley, J. A., Boudreau, R. M., Piva, S. R., Cawthon, P. M., Orwoll, E. S., Ensrud, K. E., Kado, D. M., Strotmeyer, E. S., Osteoporotic Fractures in Men (MrOS) Research Group
  2022

- **Slower upper extremity function in older adults with hyperkyphosis negatively impacts the 6-min walk test.** *BMC musculoskeletal disorders*
  Fukuoka, Y., Katzman, W. B., Gladin, A., Lane, N. E., Kado, D. M., Oh, Y. J.
  2022; 23 (1): 505

- **Repeat Bone Mineral Density Screening Measurement and Fracture Prediction in Older Men: A Prospective Cohort Study.** *The Journal of clinical endocrinology and metabolism*
  Ensrud, K. E., Lui, L., Crandall, C. J., Orwoll, E. S., Langsetmo, L., Schousboe, J. T., Fink, H. A., Lane, N. E., Kado, D. M., Cauley, J. A., Stefanick, M. L., Cawthon, P. M.
  2022

- **Deep Learning Classification of Spinal Osteoporotic Compression Fractures on Radiographs using an Adaptation of the Genant Semiquantitative Criteria.** *Academic radiology*
  Dong, Q., Luo, G., Lane, N. E., Lui, L., Marshall, L. M., Kado, D. M., Cawthon, P., Perry, J., Johnston, S. K., Haynor, D., Jarvik, J. G., Cross, N. M.
  2022

- **Strong discordance in factors associated with 5-year risk of fracture vs. 5-year risk of mortality among men aged 80 and older: findings from the Osteoporotic Fractures in Men [MrOS] study**
  Langsetmo, L., Schousboe, J. T., Taylor, B. C., Cauley, J. A., Fink, H. A., Cawthon, P. M., Stefanick, M. L., Kado, D. M., Kats, A. M., Ensrud, K. E.
  WILEY.2022: 343-344

- **Assessment of Semiquantitative Spinal Deformity Index May Improve Fracture Prediction Among Older Men with Prevalent Vertebral Fracture**
  Schousboe, J., Langsetmo, L., Kats, A., Kado, D., Lane, N., Taylor, B., Ensrud, K.
  WILEY.2022: 139

- **Repeat Bone Mineral Density Measurement and Fracture Prediction in Older Men: Findings from the Osteoporotic Fractures in Men (MrOS) Study**
  Ensrud, K., Lui, L., Crandall, C., Orwoll, E., Langsetmo, L., Schousboe, J., Fink, H., Lane, N., Kado, D., Cauley, J., Cawthon, P.
  WILEY.2022: 184

- **Saturated and Unsaturated Bone Marrow Lipids Have Distinct Effects on Bone Density and Fracture Risk in Older Adults.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*
  Woods, G. N., Ewing, S. K., Schafer, A. L., Gudnason, V., Sigurdsson, S., Lang, T., Hue, T. F., Kado, D. M., Vittinghoff, E., Rosen, C., Li, X., Schwartz, A. V.
  1800

- **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.

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