

2008-09 Mayo Clinic Published Manuscripts with a Focus on Aging Research

1. Al-Omari MA, Barnes ME, Fatema K, Casaclang-Verzosa G, Cha SS, Pellikka PA, Seward JB, Gersh BJ, Tsang TS. Combining e/e' and indexed left atrial volume augments clinical prediction of first heart failure in elderly. *Circulation*. 2008;118:S841.
2. Al-Omari MA, Barnes ME, Fatima K, Cha SS, Bailey KR, Gresh BJ, Tsang TS. Tissue doppler assessment of left ventricular filling pressure for the prediction of first cardiovascular events in elderly: A prospective study. *Journal of the American College of Cardiology*. 2008;51:A133.
3. Alvarez M, Caviness JN. Primary progressive myoclonus of aging. *Movement Disorders*. 2008;23:1658-64.
4. Amin S, Melton LJ, Achenbach S, Atkinson E, Robb R, Camp J, Riggs BL, Khosla S. Igfbp-2 and longitudinal bone loss in aging women and men. *Arthritis and Rheumatism*. 2008;58:S940-1.
5. Amin S, Melton LJ, Atkinson E, Achenbach S, Robb R, Camp J, Riggs BL, Khosla S. Igfbp-2 and bone loss in aging women and men. *Journal of Bone and Mineral Research*. 2008;23:S80.
6. Bailey KR, Grossardt BR, Graves JW. Novel use of kaplan-meier methods to explain age and gender differences in hypertension control rates.[see comment]. *Hypertension*. 2008;51:841-7.
7. Baker DJ, Jin F, van Deursen JM. The yin and yang of the cdkn2a locus in senescence and aging. *Cell Cycle*. 2008;7:2795-802.
8. Baker DJ, Perez-Terzic C, Jin F, Pitel K, Niederlander NJ, Jeganathan K, Yamada S, Reyes S, Rowe L, Hiddinga HJ, Eberhardt NL, Terzic A, van Deursen JM. Opposing roles for p16(ink4a) and p19(arf) in senescence and ageing caused by bubr1 insufficiency. *Nature Cell Biology*. 2008;10:825-36.
9. Baskerville KA, Kent C, Personett D, Lai WR, Park PJ, Coleman P, McKinney M. Aging elevates metabolic gene expression in brain cholinergic neurons. *Neurobiology of Aging*. 2008;29:1874-93.
10. Batsis JA, Huddleston JM, Melton LJ, Huddleston PM, Lopez-Jimenez F, Larson DR, Gullerud RE, McMahon MM. Body mass index and risk of adverse cardiac events in elderly hip fracture patients: A population-based study. *Circulation*. 2008;118:S1098.
11. Batsis JA, Huddleston JM, Melton LJ, Huddleston PM, Lopez-Jimenez F, Larson DR, Gullerud RE, McMahon MM. Body mass index and risk of adverse cardiac events in elderly patients with hip fracture: A population-based study. *Journal of the American Geriatrics Society*. 2009;57:419-26.
12. Bergsagel PL. Reply to the research mission in myeloma by richardson et al. *Leukemia*. 2009;23:423-4.
13. Bhagra S, Nippoldt TB, Nair KS. Dehydroepiandrosterone in adrenal insufficiency and ageing. *Current Opinion in Endocrinology, Diabetes & Obesity*. 2008;15:239-43.
14. Blair JE, Mayer AP, Currier J, Files JA, Wu Q. Coccidioidomycosis in elderly persons. *Clinical Infectious Diseases*. 2008;47:1513-8.
15. Boilson BA, Kontseikova K, Korinek J, Shapiro BP, Boerrigter G, Chen HH, Burnett JC, Redfield MM, Simari RD. New insights into the effect of mineralocorticoids on circulating progenitor cell counts in canine models of cardiovascular disease: The case for accelerated senescence. *Journal of Cardiac Failure*. 2008;14:S3.
16. Camilleri M, Cowen T, Koch TR. Enteric neurodegeneration in ageing.[erratum appears in *neurogastroenterol motil*. 2008 apr;20(4):417][republished in *neurogastroenterol motil*. 2008 apr;20(4):418-29; pmid: 18371012]. *Neurogastroenterology & Motility*. 2008;20:185-96.
17. Carey EC, Covinsky KE, Lui LY, Eng C, Sands LP, Walter LC. Prediction of mortality in community-living frail elderly people with long-term care needs. *Journal of the American Geriatrics Society*. 2008;56:68-75.
18. Casaclang-Verzosa G, Gersh BJ, Tsang TS. Structural and functional remodeling of the left atrium: Clinical and therapeutic implications for atrial fibrillation.[see comment]. *Journal of the American College of Cardiology*. 2008;51:1-11.
19. Caselli RJ, Chen K, Lee W, Alexander GE, Reiman EM. Correlating cerebral hypometabolism with future memory decline in subsequent converters to amnesic pre-mild cognitive impairment. *Archives of Neurology*. 2008;65:1231-6.
20. Chini EN. Cd38 as a regulator of cellular nad: A novel potential pharmacological target for metabolic conditions [review]. *Current Pharmaceutical Design*. 2009;15:57-63.
21. Chow JT, Khosla S, Melton LJ, Atkinson EJ, Camp JJ, Kearns AE. Abdominal aortic calcification, bmd, and bone microstructure: A population-based study. *Journal of Bone & Mineral Research*. 2008;23:1601-12.
22. Clarke BL, Khosla S. Androgens and bone. *Steroids*. 2009;74:296-305.

23. Coto-Yglesias F, Cartin-Brenes M, Tangelos EG. Predicting adverse outcomes in a day hospital setting: The utility of measuring frailty. *Journal of the American Geriatrics Society*. 2009;57:S51.
24. Cullen MW, Ebbert JO, Vierkant RA, Wang AH, Cerhan JR. No interaction of body mass index and smoking on diabetes mellitus risk in elderly women. *Preventive Medicine*. 2009;48:74-8.
25. Czaja AJ. Clinical features, differential diagnosis and treatment of autoimmune hepatitis in the elderly [review]. *Drugs & Aging*. 2008;25:219-39.
26. Czesnikiewicz-Guzik M, Lee WW, Cui D, Hiruma Y, Lamar DL, Yang ZZ, Ouslander JG, Weyand CM, Goronzy JJ. T cell subset-specific susceptibility to aging. *Clinical Immunology*. 2008;127:107-18.
27. Dhatariya KK, Greenlund LJS, Bigelow ML, Thapa P, Oberg AL, Ford GC, Schimke JM, Nair KS. Dehydroepiandrosterone replacement therapy in hypoadrenal women: Protein anabolism and skeletal muscle function. *Mayo Clinic Proceedings*. 2008;83:1218-25.
28. Dickey C, Kraft C, Jinwal U, Koren J, Johnson A, Anderson L, Lebson L, Lee D, Dickson D, de Silva R, Binder LI, Morgan D, Lewis J. Aging analysis reveals slowed tau turnover and enhanced stress response in a mouse model of tauopathy. *American Journal of Pathology*. 2009;174:228-38.
29. Dominguez AL, Lustgarten J. Implications of aging and self-tolerance on the generation of immune and antitumor immune responses. *Cancer Research*. 2008;68:5423-31.
30. Domire ZJ, McCullough MB, Chen Q, An KN. Feasibility of using magnetic resonance elastography to study the effect of aging on shear modulus of skeletal muscle. *Journal of Applied Biomechanics*. 2009;25:93-7.
31. Edwards AO. Genetics of age-related macular degeneration. *Advances in Experimental Medicine & Biology*. 2008;613:211-9.
32. Edwards AO, Lee SJ, Fridley BL, Tosakulwong N. Density of common complex ocular traits in the aging eye: Analysis of secondary traits in genome-wide association studies. *PLoS ONE [Electronic Resource]*. 2008;3:e2510.
33. Ferreira L, Simmons DT, Baron TH. Zenker's diverticula: Pathophysiology, clinical presentation, and flexible endoscopic management [review]. *Diseases of the Esophagus*. 2008;21:1-8.
34. Forte ML, Virnig BA, Kane RL, Durham S, Bhandari M, Feldman R, Swiontkowski MF. Geographic variation in device use for intertrochanteric hip fractures. *Journal of Bone & Joint Surgery - American Volume*. 2008;90A:691-9.
35. Freeman WD, Aguilar MI. Stroke prevention in atrial fibrillation and other major cardiac sources of embolism [review]. *Neurologic Clinics*. 2008;26:1129-60.
36. Fujishiro H, Ahn TB, Frigerio R, DelleDonne A, Josephs KA, Parisi JE, Ahlskog JE, Dickson DW. Glial cytoplasmic inclusions in neurologically normal elderly: Prodromal multiple system atrophy? *Acta Neuropathologica*. 2008;116:269-75.
37. Gades NM, Jacobson DJ, McGree ME, Sauver JLS, Lieber MM, Nehra A, Girman CJ, Klee GG, Jacobsen SJ. The associations between serum sex hormones, erectile function, and sex drive: The olmsted county study of urinary symptoms and health status among men. *Journal of Sexual Medicine*. 2008;5:2209-20.
38. Gardner TB, Vege SS, Chari ST, Pearson RK, Clain JE, Topazian MD, Levy MJ, Petersen BT. The effect of age on hospital outcomes in severe acute pancreatitis. *Pancreatology*. 2008;8:265-70.
39. Geda YE, Roberts RO, Knopman DS, Petersen RC, Christianson TJ, Pankratz VS, Smith GE, Boeve BF, Ivnik RJ, Tangelos EG, Rocca WA. Prevalence of neuropsychiatric symptoms in mild cognitive impairment and normal cognitive aging: Population-based study. *Archives of General Psychiatry*. 2008;65:1193-8.
40. Gennari L, Khosla S, Bilezikian JP. Estrogen and fracture risk in men. *Journal of Bone & Mineral Research*. 2008;23:1548-51.
41. Gertz MA. New targets and treatments in multiple myeloma: Src family kinases as central regulators of disease progression. *Leukemia & Lymphoma*. 2008;49:2240-5.
42. Gertz MA, Ghobrial I, Luc-Harousseau J. Multiple myeloma: Biology, standard therapy, and transplant therapy. *Biology of Blood & Marrow Transplantation*. 2009;15:46-52.
43. Geschwind MD, Tan KM, Lennon VA, Barajas RF, Haman A, Klein CJ, Josephson A, Pittock SJ. Voltage-gated potassium channel autoimmunity mimicking creutzfeldt-jakob disease. *Archives of Neurology*. 2008;65:1341-6.
44. Giannoulis MG, Jackson N, Shojaee-Moradie F, Nair KS, Sonksen PH, Martin FC, Umpleby AM. The effects of growth hormone and/or testosterone on whole body protein kinetics and skeletal muscle gene expression in healthy elderly men: A randomized controlled trial. *Journal of Clinical Endocrinology & Metabolism*. 2008;93:3066-74.
45. Golbin JM, Somers VK, Caples SM. Obstructive sleep apnea, cardiovascular disease, and pulmonary hypertension. *Proceedings of the American Thoracic Society*. 2008;5:200-6.
46. Gross K, Karagiannides I, Thomou T, Koon HW, Bowe C, Kim H, Giorgadze N, Tchkonja T, Pirtskhalava T, Kirkland JL, Pothoulakis C. Substance p promotes expansion of human mesenteric preadipocytes through

proliferative and antiapoptotic pathways. *American Journal of Physiology - Gastrointestinal & Liver Physiology*. 2009;296:G1012-9.

47. Guo W, Flanagan J, Jasuja R, Kirkland J, Jiang L, Bhasin S. The effects of myostatin on adipogenic differentiation of human bone marrow-derived mesenchymal stem cells are mediated through cross-communication between smad3 and wnt/beta-catenin signaling pathways. *Journal of Biological Chemistry*. 2008;283:9136-45.

48. Gupta V, Bhasin S, Guo W, Singh R, Miki R, Chauhan P, Choong K, Tchkonja T, Lebrasseur NK, Flanagan JN, Hamilton JA, Viereck JC, Narula NS, Kirkland JL, Jasuja R. Effects of dihydrotestosterone on differentiation and proliferation of human mesenchymal stem cells and preadipocytes. *Molecular & Cellular Endocrinology*. 2008;296:32-40.

49. Gupta V, Bhasin S, Guo W, Singh R, Miki R, Chauhan P, Choong K, Tchkonja T, Lebrasseur NK, Flanagan JN, Hamilton JA, Viereck JC, Narula NS, Kirkland JL, Jasuja R. Effects of dihydrotestosterone on differentiation and proliferation of human mesenchymal stem cells and preadipocytes editorial comment. *Journal of Urology*. 2009;181:1824.

50. Halfdanarson TR, Walker JA, Litzow MR, Hanson CA. Severe vitamin b12 deficiency resulting in pancytopenia, splenomegaly and leukoerythroblastosis. *European Journal of Haematology*. 2008;80:448-51.

51. Henderson GC, Dhatariya K, Ford GC, Klaus KA, Basu R, Rizza RA, Jensen MD, Khosla S, O'Brien P, Nair KS. Higher muscle protein synthesis in women than men across the lifespan, and failure of androgen administration to amend age-related decrements. *FASEB Journal*. 2009;23:631-41.

52. Hoganson DD, From AM, Michet CJ. Anca vasculitis in the elderly. *JCR: Journal of Clinical Rheumatology*. 2008;14:78-81.

53. Hua X, Leow AD, Lee S, Klunder AD, Toga AW, Lepore N, Chou YY, Brun C, Chiang MC, Barysheva M, Jack CR, Bernstein MA, Britson PJ, Ward CP, Whitwell JL, Borowski B, Fleisher AS, Fox NC, Boyes RG, Barnes J, Harvey D, Kornak J, Schuff N, Boreta L, Alexander GE, Thompson PM, et al. 3d characterization of brain atrophy in alzheimer's disease and mild cognitive impairment using tensor-based morphometry [review]. *Neuroimage*. 2008;41:19-34.

54. Hua X, Leow AD, Parikshak N, Lee S, Chiang MC, Toga AW, Jack CR, Weiner MW, Thompson PM. Tensor-based morphometry as a neuroimaging biomarker for alzheimer's disease: An mri study of 676 ad, mci, and normal subjects [review]. *Neuroimage*. 2008;43:458-69.

55. Igwebuike A, Irving BA, Bigelow ML, Short KR, McConnell JP, Nair KS. Lack of dehydroepiandrosterone effect on a combined endurance and resistance exercise program in postmenopausal women. *Journal of Clinical Endocrinology & Metabolism*. 2008;93:534-8.

56. Iranmanesh A, Veldhuis JD. Hypocortisolemic clamp unmasks jointly feedforward- and feedback-dependent control of overnight acth secretion. *European Journal of Endocrinology*. 2008;159:561-8.

57. Jack CR. Magnetic resonance imaging research in aging and dementia at the mayo clinic. *Alzheimer Disease & Associated Disorders*. 2008;22:204-8.

58. Jack CR, Weigand SD, Shiung MM, Przybelski SA, O'Brien PC, Gunter JL, Knopman DS, Boeve BF, Smith GE, Petersen RC. Atrophy rates accelerate in amnesic mild cognitive impairment. *Neurology*. 2008;70:1740-52.

59. Jahangir A, Aguilera CCC, Oberlin A, Maria V, Ahmad M, Gupta A, Yousufuddin M, Sagar S, Terzic A. Genomic remodeling of cardiac metabolism compromises tolerance of the aging heart. *Clinical Pharmacology & Therapeutics*. 2008;83:S49.

60. Jaleel A, Short KR, Asmann YW, Klaus KA, Morse DM, Ford GC, Nair KS. In vivo measurement of synthesis rate of individual skeletal muscle mitochondrial proteins. *American Journal of Physiology - Endocrinology & Metabolism*. 2008;295:E1255-E68.

61. Jicha GA, Parisi JE, Dickson DW, Cha RH, Johnson KA, Smith GE, Boeve BF, Petersen RC, Knopman DS. Age and apoe associations with complex pathologic features in alzheimer's disease. *Journal of the Neurological Sciences*. 2008;273:34-9.

62. Josephs KA, Whitwell JL, Jack CR, Jr. Anatomic correlates of stereotypies in frontotemporal lobar degeneration. *Neurobiology of Aging*. 2008;29:1859-63.

63. Josephs KA, Whitwell JL, Parisi JE, Knopman DS, Boeve BF, Geda YE, Jack CR, Petersen RC, Dickson DW. Argrophilic grains: A distinct disease or an additive pathology? *Neurobiology of Aging*. 2008;29:566-73.

64. Joyner MJ. Not so fast: Intrinsic heart rate vs. Beta-adrenergic responsiveness in the aging human heart. *Journal of Applied Physiology*. 2008;105:3-4.

65. Joyner MJ, Charkoudian N, Wallin BG. A sympathetic view of the sympathetic nervous system and human blood pressure regulation. *Experimental Physiology*. 2008;93:715-24.

66. Kantarci K, Knopman DS, Dickson DW, Parisi JE, Whitwell JL, Weigand SD, Josephs KA, Boeve BF, Petersen RC, Jack CR. Alzheimer disease: Postmortem neuropathologic correlates of antemortem h-1 mr spectroscopy metabolite measurements. *Radiology*. 2008;248:210-20.

67. Kantarci K, Petersen RC, Przybelski SA, Weigand SD, Shiung MM, Whitwell JL, Negash S, Ivnik RJ, Boeve BF, Knopman DS, Smith GE, Jack CR. Hippocampal volumes, proton magnetic resonance spectroscopy metabolites, and cerebrovascular disease in mild cognitive impairment subtypes. *Archives of Neurology*. 2008;65:1621-8.
68. Kasten MJ, Poland GA. Influenza vaccination and the elderly: Pandemic preparedness. *Drugs & Aging*. 2008;25:179-86.
69. Kaur JS, Hampton JW. Cancer in american indian and alaska native populations continues to threaten an aging population : The need for tribal, state, and federal action. *Cancer*. 2008;113:1117-9.
70. Kearns AE, Kallmes DF. Osteoporosis primer for the vertebroplasty practitioner: Expanding the focus beyond needles and cement [review]. *American Journal of Neuroradiology*. 2008;29:1816-22.
71. Keaveny TM, Kopperdahl DL, Hoffmann PF, Amin S, Melton LJ, Khosla S. Femoral strength, bone density, and aging in women and men. *Journal of Bone and Mineral Research*. 2008;23:S47.
72. Kelemen LE, Pankratz VS, Sellers TA, Brandt KR, Wang A, Janney C, Fredericksen ZS, Cerhan JR, Vachon CM. Age-specific trends in mammographic density: The minnesota breast cancer family study.[see comment]. *American Journal of Epidemiology*. 2008;167:1027-36.
73. Khosla S. Estrogen and bone: Insights from estrogen-resistant, aromatase-deficient, and normal men. *Bone*. 2008;43:414-7.
74. Khosla S, Amin S, Orwoll E. Osteoporosis in men [review]. *Endocrine Reviews*. 2008;29:441-64.
75. Khosla S, Amin S, Singh RJ, Atkinson EJ, Melton LJ, Riggs BL. Comparison of sex steroid measurements in men by immunoassay versus mass spectroscopy and relationships with cortical and trabecular volumetric bone mineral density. *Osteoporosis International*. 2008;19:1465-71.
76. Kim JE, Chen JJ, Lou ZK. Dbc1 is a negative regulator of sirt1. *Nature*. 2008;451:583-NIL_10.
77. Kirkland JL, Peterson C. Healthspan, translation, and new outcomes for animal studies of aging. *Journals of Gerontology Series A-Biological Sciences & Medical Sciences*. 2009;64:209-12.
78. Kirkland JL, Tchkonja T, Pirtskhalava T, Giorgadze N, Gagua M, Karagiannides I, Cleveland-Donovan K, Conover C, Boney B. Preadipocyte igf-1 signaling, bioavailability, and responsiveness vary among fat depots. *International Journal of Obesity*. 2008;32:S42.
79. Kloppel S, Stonnington CM, Chu C, Draganski B, Scahill RI, Rohrer JD, Fox NC, Jack CR, Ashburner J, Frackowiak RSJ. Automatic classification of mr scans in alzheimers disease. *Brain*. 2008;131:681-9.
80. Knopman DS, Mosley TH, Bailey KR, Jack CR, Schwartz GL, Turner ST. Associations of microalbuminuria with brain atrophy and white matter hyperintensities in hypertensive sibships. *Journal of the Neurological Sciences*. 2008;271:53-60.
81. Ko LW, Ko HH, Lin WL, Kulathingal JG, Yen SH. Aggregates assembled from overexpression of wild-type alpha-synuclein are not toxic to human neuronal cells. *Journal of Neuropathology & Experimental Neurology*. 2008;67:1084-96.
82. Kok P, Paulo RC, Cosma M, Mielke KL, Miles JM, Bowers CY, Veldhuis JD. Estrogen supplementation selectively enhances hypothalamo-pituitary sensitivity to ghrelin in postmenopausal women. *Journal of Clinical Endocrinology & Metabolism*. 2008;93:4020-6.
83. Korinek J, Mohammed SF, Chen HH, Lam CS, Burnett JC, Redfield MM. Chronic phosphodiesterase-5 inhibition ameliorates myocardial contractile dysfunction in elderly canine model of hypertensive heart disease. *Journal of Cardiac Failure*. 2008;14:S75.
84. Kumar SK, Dingli D, Lacy MQ, Dispenzieri A, Hayman SR, Buadi FK, Rajkumar SV, Litzow MR, Gertz MA. Autologous stem cell transplantation in patients of 70 years and older with multiple myeloma: Results from a matched pair analysis. *American Journal of Hematology*. 2008;83:614-7.
85. Lam CSP, Borlaug BA, Rodeheffer RJ, Shapiro BP, Redfield MM. Impact of aging on pulmonary hemodynamics in the general population. *Journal of Cardiac Failure*. 2008;14:S82-3.
86. Lam CSP, Valencik ML, Redfield MM. Aging versus hypertension in heart failure with preserved ejection fraction: Insights from murine models. *Journal of Cardiac Failure*. 2008;14:S31-2.
87. Lanza IR, Nair KS. Muscle mitochondrial changes with aging and exercise. *American Journal of Clinical Nutrition*. 2009;89:467S-71S.
88. Lanza IR, Short DK, Short KR, Raghavakaimal S, Basu R, Joyner MJ, McConnell JP, Nair KS. Endurance exercise as a countermeasure for aging. *Diabetes*. 2008;57:2933-42.
89. Lazarus HM, Carreras J, Boudreau C, Loberiza FR, Armitage JO, Bolwell BJ, Freytes CO, Gale RP, Gibson J, Hale GA, Inwards DJ, LeMaistre CF, Maharaj D, Marks DI, Miller AM, Pavlovsky S, Schouten HC, van Besien K, Vose JM, Bitran JD, Khouri IF, McCarthy PL, Yu HM, Rowlings P, Serna DS, et al. Influence of age and histology on outcome in adult non-hodgkin lymphoma patients undergoing autologous hematopoietic cell transplantation (hct): A report from the center for international blood & marrow transplant research (cibmtr). *Biology of Blood & Marrow Transplantation*. 2008;14:1323-33.

90. Lee JH, Cheng R, Graff-Radford N, Foroud T, Mayeux R. Analyses of the national institute on aging late-onset alzheimer's disease family study implication of additional loci. *Archives of Neurology*. 2008;65:1518-26.
91. Lemster BH, Michel JJ, Montag DT, Paat JJ, Studenski SA, Newman AB, Vallejo AN. Induction of cd56 and tcr-independent activation of t cells with aging. *Journal of Immunology*. 2008;180:1979-90.
92. Leow AD, Yanovsky I, Parikshak N, Hua X, Lee S, Toga AW, Jack CR, Bernstein MA, Britson PJ, Gunter JL, Ward CP, Borowski B, Shaw LM, Trojanowski JQ, Fleisher AS, Harvey D, Kornak J, Schuff N, Alexander GE, Weiner MW, Thompson PM. Alzheimer's disease neuroimaging initiative: A one-year follow up study using tensor-based morphometry correlating degenerative rates, biomarkers and cognition. *Neuroimage*. 2009;45:645-55.
93. Liang WS, Dunckley T, Beach TG, Grover A, Mastroeni D, Ramsey K, Caselli RJ, Kukull WA, McKeel D, Morris JC, Hulette CM, Schmechel D, Reiman EM, Rogers J, Stephan DA. Altered neuronal gene expression in brain regions differentially affected by alzheimer's disease: A reference data set [review]. *Physiological Genomics*. 2008;33:240-56.
94. Liang WS, Reiman EM, Valla J, Dunckley T, Beach TG, Grover A, Niedzielko TL, Schneider LE, Mastroeni D, Caselli R, Kukull W, Morris JC, Hulette CM, Schmechel D, Rogers J, Stephan DA. Alzheimer's disease is associated with reduced expression of energy in posterior cingulate metabolism genes neurons. *Proceedings of the National Academy of Sciences of the United States of America*. 2008;105:4441-6.
95. Lin G, Meverden RA, Hodge DO, Uslan DZ, Hayes DL, Brady PA. Age and gender trends in implantable cardioverter defibrillator utilization: A population based study. *Journal of Interventional Cardiac Electrophysiology*. 2008;22:65-70.
96. Liu Y, Malureanu L, Jeganathan KB, Tran DD, Lindquist LD, van Deursen JM, Bram RJ. Caml loss causes anaphase failure and chromosome missegregation. *Cell Cycle*. 2009;8:940-9.
97. Locke DE, Ivnik RJ, Cha RH, Knopman DS, Tangalos EG, Boeve BF, Petersen RC, Smith GE. Age, family history, and memory and future risk for cognitive impairment. *Journal of Clinical & Experimental Neuropsychology: Official Journal of the International Neuropsychological Society*. 2009;31:111-6.
98. Low PA. Prevalence of orthostatic hypotension. *Clinical Autonomic Research*. 2008;18:8-13.
99. Low PA, Singer W. Management of neurogenic orthostatic hypotension: An update [review]. *Lancet Neurology*. 2008;7:451-8.
100. Machulda MM, Senjem ML, Weigand SD, Smith GE, Ivnik RJ, Boeve BF, Knopman DS, Petersen RC, Jack CR. Functional magnetic resonance imaging changes in amnesic and nonamnesic mild cognitive impairment during encoding and recognition tasks. *Journal of the International Neuropsychological Society*. 2009;15:372-82.
101. Mankad R, Best PJ. Cardiovascular disease in older women: A challenge in diagnosis and treatment. *Women's health*. 2008;4:449-64.
102. Matveyenko AV, Veldhuis JD, Butler PC. Adaptations in pulsatile insulin secretion, hepatic insulin clearance, and beta-cell mass to age-related insulin resistance in rats. *American Journal of Physiology - Endocrinology & Metabolism*. 2008;295:E832-E41.
103. McKellar SH, Brown ML, Frye RL, Schaff HV, Sundt TM. Comparison of coronary revascularization procedures in octogenarians: A systematic review and meta-analysis. *Nature Clinical Practice Cardiovascular Medicine*. 2008;5:738-46.
104. Melton L, Kearns AE, Atkinson EJ, Bolander ME, Achenbach SJ, Huddleston JM, Therneau TM, Leibson CL. Secular trends in hip fracture incidence and recurrence. *Osteoporosis International*. 2009;20:687-94.
105. Morra JH, Tu Z, Apostolova LG, Green AE, Avedissian C, Madsen SK, Parikshak N, Toga AW, Jack CR, Schuff N, Weiner MW, Thompson PM. Automated mapping of hippocampal atrophy in 1-year repeat mri data from 490 subjects with alzheimer's disease, mild cognitive impairment, and elderly controls. *Neuroimage*. 2009;45:S3-S15.
106. Morra JH, Tu ZW, Apostolova LG, Green AE, Avedissian C, Madsen SK, Parikshak N, Hua X, Toga AW, Jack CR, Weiner MW, Thompson PM. Validation of a fully automated 3d hippocampal segmentation method using subjects with alzheimer's disease, mild cognitive impairment, and elderly controls (vol 43, pg 59, 2008). *Neuroimage*. 2009;44:1439.
107. Negash S, Greenwood PM, Sunderland T, Parasuraman R, Geda YE, Knopman DS, Boeve BF, Ivnik RJ, Petersen RC, Smith GE. The influence of apolipoprotein e genotype on visuospatial attention dissipates after age 80. *Neuropsychology*. 2009;23:81-9.
108. O'Bryant SE, Humphreys JD, Smith GE, Ivnik RJ, Graff-Radford NR, Petersen RC, Lucas JA. Detecting dementia with the mini-mental state examination in highly educated individuals. *Archives of Neurology*. 2008;65:963-7.
109. Oshima K, Dickson DW. Cortical alzheimer type pathology does not influence tau pathology in progressive supranuclear palsy. *International Journal of Clinical & Experimental Pathology*. 2009;2:399-406.

110. Panza F, D'Introno A, Colacicco AM, Capurso C, Del Parigi A, Caselli RJ, Todarello O, Pellicani V, Santamato A, Scapicchio P, Maggi S, Scafato E, Gandin C, Capurso A, Solfrizzi V. Depressive symptoms, vascular risk factors and mild cognitive impairment. *Dementia & Geriatric Cognitive Disorders*. 2008;25:336-46.
111. Petersen RC. Commentary on "A roadmap for the prevention of dementia ii: Leon thal symposium 2008." A national registry on aging. *Alzheimer's & Dementia*. 2009;5:105-7.
112. Petersen RC, Negash S. Mild cognitive impairment: An overview. *Cns Spectrums*. 2008;13:45-53.
113. Picone DM, Titler MG, Dochterman J, Shever L, Kim T, Abramowitz P, Kanak M, Qin R. Predictors of medication errors among elderly hospitalized patients. *American Journal of Medical Quality*. 2008;23:115-27.
114. Preston CC, Oberlin AS, Holmuhamedov EL, Gupta A, Sagar S, Syed RH, Siddiqui SA, Raghavakaimal S, Terzic A, Jahangir A. Aging-induced alterations in gene transcripts and functional activity of mitochondrial oxidative phosphorylation complexes in the heart. *Mechanisms of Ageing & Development*. 2008;129:304-12.
115. Priest AW, Salamon KB, Hollman JH. Age-related differences in dual task walking: A cross sectional study. *Journal of Neuroengineering & Rehabilitation*. 2008;5:29.
116. Rashtak S, Taggart J, DeMars C, Buttar N, Lomberg G, Urrutia R. Knock out of klf11, a novel tumor suppressor and diabetes gene, displays signs of premature aging with altered response to glucose. *Pancreas*. 2008;37:492.
117. Ricke RM, van Ree JH, van Deursen JM. Whole chromosome instability and cancer: A complex relationship [review]. *Trends in Genetics*. 2008;24:457-66.
118. Riggs BL, Melton LJ, Robb RA, Camp JJ, Atkinson EJ, McDaniel L, Amin S, Rouleau PA, Khosla S. A population-based assessment of rates of bone loss at multiple skeletal sites: Evidence for substantial trabecular bone loss in young adult women and men. *Journal of Bone & Mineral Research*. 2008;23:205-14.
119. Rivera AL, Powell SZ, Ngo T, Dickson DW. Co-existence of diffuse multisystem tauopathy and cerebral amyloid angiopathy in an elderly patient with dementia. *Journal of Neuropathology and Experimental Neurology*. 2008;67:512-3.
120. Roberts RO, Geda YE, Knopman DS, Cha RH, Pankratz VS, Boeve BF, Ivnik RJ, Tangalos EG, Petersen RC, Rocca WA. The mayo clinic study of aging: Design and sampling, participation, baseline measures and sample characteristics. *Neuroepidemiology*. 2008;30:58-69.
121. Rocca WA, Grossardt BR, Maraganore DM. The long-term effects of oophorectomy on cognitive and motor aging are age dependent. *Neurodegenerative Diseases*. 2008;5:257-60.
122. Rocca WA, Shuster LT, Grossardt BR, Maraganore DM, Gostout BS, Geda YE, Melton LJ, 3rd. Long-term effects of bilateral oophorectomy on brain aging: Unanswered questions from the mayo clinic cohort study of oophorectomy and aging. *Women's health*. 2009;5:39-48.
123. Rohrer JE, Takahashi PY, Adamson SC. Age, obesity, and medical visits in family medicine. *Population Health Management*. 2008;11:255-9.
124. Rolseth V, Runden-Pran E, Luna L, McMurray C, Bjoras M, Ottersen OP. Widespread distribution of DNA glycosylases removing oxidative DNA lesions in human and rodent brains. *DNA Repair*. 2008;7:1578-88.
125. Sagar S, Maria V, Ahmad SM, Yousufuddin M, Gupta A, Terzic A, Jahangir A. Pharmacological modulation of k-atp channel protects senescent heart against catecholamine toxicity. *Clinical Pharmacology & Therapeutics*. 2008;83:S42.
126. Schrader SL, Wellik KE, Demaerschalk BM, Caselli RJ, Woodruff BK, Wingerchuk DM. Adjunctive haloperidol prophylaxis reduces postoperative delirium severity and duration in at-risk elderly patients. *Neurologist*. 2008;14:134-7.
127. Schuff N, Woerner N, Boreta L, Kornfield T, Shaw LM, Trojanowski JQ, Thompson PM, Jack CR, Weiner MW. Mri of hippocampal volume loss in early alzheimers disease in relation to apoe genotype and biomarkers. *Brain*. 2009;132:1067-77.
128. Shapiro BP, Mohammed SF, Schalkwijk CG, Redfield MM. Advanced glycation endproduct "Age" Accumulation in elderly hypertensive canines: Correlation with effects of age crosslink breaker. *Journal of Cardiac Failure*. 2008;14:S24-5.
129. Shapiro BP, Owan TE, Mohammed S, Kruger M, Linke WA, Burnett JC, Redfield MM. Mineralocorticoid signaling in transition to heart failure with normal ejection fraction. *Hypertension*. 2008;51:289-95.
130. Shapiro BP, Owan TE, Mohammed SF, Meyer DM, Mills LD, Schalkwijk CG, Redfield MM. Advanced glycation end products accumulate in vascular smooth muscle and modify vascular but not ventricular properties in elderly hypertensive canines. *Circulation*. 2008;118:1002-10.
131. Sharma S, Dominguez AL, Hoelzinger DB, Lustgarten J. Cpg-odn but not other tlr-ligands restore the antitumor responses in old mice: The implications for vaccinations in the aged. *Cancer Immunology & Immunotherapy*. 2008;57:549-61.
132. Sheller J, Zapala D, Lundy L. Fall risk, vestibular schwannoma, and anticoagulation therapy. *Journal of the American Academy of Audiology*. 2008;19:237-45.

133. Singh M, Alexander K, Roger VL, Rihal CS, Whitson HE, Lerman A, Jahangir A, Nair KS. Frailty and its potential relevance to cardiovascular care [review]. *Mayo Clinic Proceedings*. 2008;83:1146-53.
134. Singh M, Roger V, Rihal C, Lennon R, Sloan J, Lerman A, Jahangir A, Nair S, Spertus J. Correlates of frailty in patients with coronary heart disease undergoing percutaneous coronary interventions. *Journal of the American College of Cardiology*. 2008;51:A247.
135. Solomon TPJ, Marchetti CM, Krishnan RK, Gonzalez F, Kirwan JP. Effects of aging on basal fat oxidation in obese humans. *Metabolism: Clinical & Experimental*. 2008;57:1141-7.
136. Srinivasan B, Amin S, Riggs BL, Atkinson EJ, McDaniel LJ, Melton LJ, Khosla S. Areal bmd by dxa may predict similar risk of fracture in elderly women and men due to offsetting effects of bone size and true volumetric bmd. *Journal of Bone and Mineral Research*. 2008;23:S308.
137. Srinivasan M, Irving BA, Frye RL, O'Brien P, Hartman SJ, McConnell JP, Nair S. Impact of long-term replacement with dehydroepiandrosterone (dhea) on lipoprotein profile in elderly males and females. *Circulation*. 2009;119:E332-3.
138. Stonnington CM, Tan G, Kloeppel S, Chu C, Draganski B, Jack CR, Chen K, Ashburner J, Frackowiak RSJ. Interpreting scan data acquired from multiple scanners: A study with alzheimer's disease. *Neuroimage*. 2008;39:1180-5.
139. Syed FA, Oursler MJ, Hefferan TE, Peterson JM, Riggs BL, Khosla S. Effects of estrogen therapy on bone marrow adipocytes in postmenopausal osteoporotic women. *Osteoporosis International*. 2008;19:1323-30.
140. Takahashi P, Chandra A, Caldwell C, Cha S, Targonski P. The association between pressure ulcers and endothelial dysfunction in a cohort of community elderly. *Wounds-A Compendium of Clinical Research & Practice*. 2008;20:290-1.
141. Takahashi PY. Pressure ulcers and prognosis: Candid conversations about healing and death. *Geriatrics*. 2008;63:6-9.
142. Takahashi PY, Cha SS, Kiemele LJ. Six-month mortality risks in long-term care residents with chronic ulcers. *International Wound Journal*. 2008;5:625-31.
143. Takahashi PY, Crane SJ, Tung EE, Cha SS, Hanson GJ. Increased hospitalization cost in older adults with higher elderly risk assessment. *Journal of the American Geriatrics Society*. 2009;57:S99.
144. Takahashi PY, Dyrbye LN, Thomas KG, Cedeno OQ, North F, Stroebel RJ, DeJesus RS, Targonski PV. The association of transient ischemic attack symptoms with memory impairment among elderly participants of the third us national health and nutrition examination survey. *Journal of Geriatric Psychiatry & Neurology*. 2009;22:46-51.
145. Takahashi PY, Kiemele LJ, Chandra A, Cha SS, Targonski PV. A retrospective cohort study of factors that affect healing in long-term care residents with chronic wounds. *Ostomy Wound Management*. 2009;55:32-7.
146. Thomas DR, Cote TR, Lawhorne L, Levenson SA, Rubenstein LZ, Smith DA, Stefanacci RG, Tangalos EG, Morley JE. Understanding clinical dehydration and its treatment [review]. *Journal of the American Medical Directors Association*. 2008;9:292-301.
147. Tosteson ANA, Melton LJ, Dawson-Hughes B, Baim S, Favus MJ, Khosla S, Lindsay RL. Cost-effective osteoporosis treatment thresholds: The united states perspective. *Osteoporosis International*. 2008;19:437-47.
148. Tsang TS, Verzosa GC, Barnes ME, Al-Omari MA, Bailey KR, Cha SS, Seward JB, Pellikka PA, Gersh BJ, O'Rourke MF. Central pulse pressure as a robust predictor of first atrial fibrillation: Study of atrial fibrillation in high risk elderly (saffhire). *Circulation*. 2008;118:S1106.
149. Tung EE, Thomas MR. Use of a geriatric home visit experience to teach medical students the functional status assessment. *Journal of General Internal Medicine*. 2009;24:244-6.
150. Veldhuis JD. Aging and hormones of the hypothalamo-pituitary axis: Gonadotropic axis in men and somatotrophic axes in men and women. *Ageing Research Reviews*. 2008;7:189-208.
151. Veldhuis JD, Keenan DM. Secretagogues govern gh secretory-burst waveform and mass in healthy eugonadal and short-term hypogonadal men. *European Journal of Endocrinology*. 2008;159:547-54.
152. Veldhuis JD, Keenan DM, Liu PY, Iranmanesh A, Takahashi PY, Nehra AX. The aging male hypothalamic-pituitary-gonadal axis: Pulsatility and feedback. *Molecular & Cellular Endocrinology*. 2009;299:14-22.
153. Vitseva OI, Tanriverdi K, Tchkonja TT, Kirkland JL, McDonnell ME, Apovian CM, Freedman J, Gokce N. Inducible toll-like receptor and nf-kappa b regulatory pathway expression in human adipose tissue. *Obesity*. 2008;16:932-7.
154. Walrand S, Short KR, Bigelow ML, Sweatt AJ, Hutson SM, Nair KS. Functional impact of high protein intake on healthy elderly people. *American Journal of Physiology - Endocrinology & Metabolism*. 2008;295:E921-E8.
155. Waters DL, Qualls CR, Dorin RI, Veldhuis JD, Baumgartner RN. Altered growth hormone, cortisol, and leptin secretion in healthy elderly persons with sarcopenia and mixed body composition phenotypes. *Journals of Gerontology Series A-Biological Sciences & Medical Sciences*. 2008;63:536-41.

156. Wood JL, Chen JJ. DNA-damage checkpoints: Location, location, location. *Trends in Cell Biology*. 2008;18:451-5.

157. Yassine HN, Marchetti CM, Krishnan RK, Vrobel TR, Gonzalez F, Kirwan JP. Effects of exercise and caloric restriction on insulin resistance and cardiometabolic risk factors in older obese adults-a randomized clinical trial. *Journals of Gerontology Series A-Biological Sciences & Medical Sciences*. 2009;64:90-5.

158. Zelada MA, Salinas R, Baztan JJ. Reduction of functional deterioration during hospitalization in an acute geriatric unit. *Archives of Gerontology & Geriatrics*. 2009;48:35-9.

Note: Due to the breadth of aging research at Mayo Clinic this list is likely not comprehensive. The Center on Aging apologizes for any omissions and would be grateful to be informed so they can be added.