

1. Ahn H, Garvan C, Lyon D. Pain and Aggression in Nursing Home Residents With Dementia: Minimum Data Set 3.0 Analysis. *Nursing research*. 2015;64(4):256-263.
2. Ahn H, Stechmiller J, Fillingim R, Lyon D, Garvan C. Bodily pain intensity in nursing home residents with pressure ulcers: analysis of national minimum data set 3.0. *Research in nursing & health*. 2015;38(3):207-212.
3. Alappattu MJ, George SZ, Robinson ME, et al. Painful intercourse is significantly associated with evoked pain perception and cognitive aspects of pain in women with pelvic pain. *Sexual medicine*. 2015;3(1):14-23.
4. Anton SD, Woods AJ, Ashizawa T, et al. Successful aging: Advancing the science of physical independence in older adults. *Ageing research reviews*. 2015;24(Pt B):304-327.
5. Aubertin-Leheudre M, Woods AJ, Anton S, Cohen R, Pahor M. Frailty Clinical Phenotype: A Physical and Cognitive Point of View. *Nestle Nutrition Institute workshop series*. 2015;83:55-63.
6. Balasubramanian CK, Clark DJ, Gouelle A. Validity of the gait variability index in older adults: effect of aging and mobility impairments. *Gait Posture*. 2015;41(4):941-946.
7. Bann D, Hire D, Manini T, et al. Light Intensity physical activity and sedentary behavior in relation to body mass index and grip strength in older adults: cross-sectional findings from the Lifestyle Interventions and Independence for Elders (LIFE) study. *PloS one*. 2015;10(2):e0116058.
8. Bann D, Hire D, Manini T, et al. Correction: Light intensity physical activity and sedentary behavior in relation to body mass index and grip strength in older adults: cross-sectional findings from the Lifestyle Interventions and Independence for Elders (LIFE) study. *PloS one*. 2015;10(4):e0126063.
9. Barger JL, Anderson RM, Newton MA, et al. A conserved transcriptional signature of delayed aging and reduced disease vulnerability is partially mediated by SIRT3. *PloS one*. 2015;10(4):e0120738.
10. Bean LA, Kumar A, Rani A, et al. Re-Opening the Critical Window for Estrogen Therapy. *The Journal of neuroscience : the official journal of the Society for Neuroscience*. 2015;35(49):16077-16093.
11. Botosaneanu A, Ambrosius WT, Beavers DP, et al. Prevalence of metabolic syndrome and its association with physical capacity, disability, and self-rated health in Lifestyle Interventions and Independence for Elders Study participants. *Journal of the American Geriatrics Society*. 2015;63(2):222-232.
12. Bryant AJ, Robinson LJ, Moore CS, et al. Expression of mutant bone morphogenetic protein receptor II worsens pulmonary hypertension secondary to pulmonary fibrosis. *Pulmonary circulation*. 2015;5(4):681-690.
13. Bryant VE, Whitehead NE, Burrell LE, 2nd, et al. Depression and Apathy Among People Living with HIV: Implications for Treatment of HIV Associated Neurocognitive Disorders. *AIDS and behavior*. 2015;19(8):1430-1437.
14. Buford TW, Anton SD, Bavry AA, Carter CS, Daniels MJ, Pahor M. Multi-modal intervention to reduce cardiovascular risk among hypertensive older adults: Design of a randomized clinical trial. *Contemporary clinical trials*. 2015;43:237-242.
15. Buford TW, Fillingim RB, Manini TM, Sibille KT, Vincent KR, Wu SS. Kaatsu training to enhance physical function of older adults with knee osteoarthritis: Design of a randomized controlled trial. *Contemporary clinical trials*. 2015;43:217-222.
16. Cannell MB, Weitlauf JC, Garcia L, Andresen EM, Margolis KL, Manini TM. Cross-sectional and longitudinal risk of physical impairment in a cohort of postmenopausal women who experience physical and verbal abuse. *BMC women's health*. 2015;15:98.
17. Cauley JA, Fluharty L, Ellenberg SS, et al. Recruitment and Screening for the Testosterone Trials. *The journals of gerontology Series A, Biological sciences and medical sciences*. 2015;70(9):1105-1111.
18. Cesari M, Vellas B, Hsu FC, et al. A physical activity intervention to treat the frailty syndrome in older persons-results from the LIFE-P study. *The journals of gerontology Series A, Biological sciences and medical sciences*. 2015;70(2):216-222.
19. Chaillou T, Jackson JR, England JH, et al. Identification of a conserved set of upregulated genes in mouse skeletal muscle hypertrophy and regrowth. *Journal of applied physiology (Bethesda, Md : 1985)*. 2015;118(1):86-97.
20. Chang KL, Fillingim R, Hurley RW, Schmidt S. Chronic pain management: evaluation of chronic pain. *FP essentials*. 2015;432:11-20.
21. Chang KL, Fillingim R, Hurley RW, Schmidt S. Chronic pain management: nonpharmacological therapies for chronic pain. *FP essentials*. 2015;432:21-26.
22. Chang KL, Fillingim R, Hurley RW, Schmidt S. Chronic pain management: pharmacotherapy for chronic pain. *FP essentials*. 2015;432:27-38.

23. Chang KL, Fillingim R, Hurley RW, Schmidt S. Chronic pain management: legal and licensure issues. *FP essentials*. 2015;432:39-42.
24. Chen H, Kelly C, Castellanos FX, He Y, Zuo XN, Reiss PT. Quantile rank maps: a new tool for understanding individual brain development. *NeuroImage*. 2015;111:454-463.
25. Childs JD, Fritz JM, Wu SS, et al. Implications of early and guideline adherent physical therapy for low back pain on utilization and costs. *BMC health services research*. 2015;15:150.
26. Clark DJ. Automaticity of walking: functional significance, mechanisms, measurement and rehabilitation strategies. *Front Hum Neurosci*. 2015;9:246.
27. Clark US, Walker KA, Cohen RA, et al. Facial emotion recognition impairments are associated with brain volume abnormalities in individuals with HIV. *Neuropsychologia*. 2015;70:263-271.
28. Cottler LB, Zunt J, Weiss B, Kamal AK, Vaddiparti K. Building global capacity for brain and nervous system disorders research. *Nature*. 2015;527(7578):S207-213.
29. Cruz-Almeida Y, Aguirre M, Sorenson HL, Tighe P, Wallet SM, Riley JL, 3rd. Age differences in cytokine expression under conditions of health using experimental pain models. *Experimental gerontology*. 2015;72:150-156.
30. Cruz-Almeida Y, Naugle KM, Vierck CJ, Fillingim RB, Riley JL. Reliability of pain intensity clamping using response-dependent thermal stimulation in healthy volunteers. *BMC neuroscience*. 2015;16:21.
31. Cuenca AG, Cuenca AL, Gentile LF, et al. Delayed emergency myelopoiesis following polymicrobial sepsis in neonates. *Innate immunity*. 2015;21(4):386-391.
32. Cuenca AG, Joiner DN, Gentile LF, et al. TRIF-dependent innate immune activation is critical for survival to neonatal gram-negative sepsis. *Journal of immunology (Baltimore, Md : 1950)*. 2015;194(3):1169-1177.
33. Cunningham GR, Stephens-Shields AJ, Rosen RC, et al. Association of sex hormones with sexual function, vitality, and physical function of symptomatic older men with low testosterone levels at baseline in the testosterone trials. *The Journal of clinical endocrinology and metabolism*. 2015;100(3):1146-1155.
34. Dela Cruz AC, Vilchez V, Kim S, et al. A prospective analysis of factors associated with decreased physical activity in patients with cirrhosis undergoing transplant evaluation. *Clinical transplantation*. 2015;29(11):958-964.
35. Dotson VM, Szymkowicz SM, Sozda CN, et al. Age Differences in Prefrontal Surface Area and Thickness in Middle Aged to Older Adults. *Frontiers in aging neuroscience*. 2015;7:250.
36. Efron PA, Mohr AM, Moore FA, Moldawer LL. The future of murine sepsis and trauma research models. *Journal of leukocyte biology*. 2015;98(6):945-952.
37. Espeland MA, Newman AB, Sink K, et al. Associations Between Ankle-Brachial Index and Cognitive Function: Results From the Lifestyle Interventions and Independence for Elders Trial. *Journal of the American Medical Directors Association*. 2015;16(8):682-689.
38. Fillingim RB. Heritability of catastrophizing: the biopsychosocial model in action. *Pain*. 2015;156(3):357-358.
39. Fischer KE, Gelfond JA, Soto VY, et al. Health Effects of Long-Term Rapamycin Treatment: The Impact on Mouse Health of Enteric Rapamycin Treatment from Four Months of Age throughout Life. *PloS one*. 2015;10(5):e0126644.
40. Fitzgerald JD, Johnson L, Hire DG, et al. Association of objectively measured physical activity with cardiovascular risk in mobility-limited older adults. *Journal of the American Heart Association*. 2015;4(2).
41. Floegel TA, Giacobbi PR, Jr., Dzierzewski JM, et al. Intervention markers of physical activity maintenance in older adults. *American journal of health behavior*. 2015;39(4):487-499.
42. Gentile LF, Cuenca AL, Cuenca AG, et al. Improved emergency myelopoiesis and survival in neonatal sepsis by caspase-1/11 ablation. *Immunology*. 2015;145(2):300-311.
43. George SZ, Wallace MR, Wu SS, et al. Biopsychosocial influence on shoulder pain: risk subgroups translated across preclinical and clinical prospective cohorts. *Pain*. 2015;156(1):148-156.
44. Gewandter JS, Dworkin RH, Turk DC, et al. Research design considerations for chronic pain prevention clinical trials: IMMPACT recommendations. *Pain*. 2015;156(7):1184-1197.
45. Glover TL, Goodin BR, King CD, et al. A Cross-sectional Examination of Vitamin D, Obesity, and Measures of Pain and Function in Middle-aged and Older Adults With Knee Osteoarthritis. *The Clinical journal of pain*. 2015;31(12):1060-1067.
46. Glover TL, Horgas AL, Fillingim RB, Goodin BR. Vitamin D status and pain sensitization in knee osteoarthritis: a critical review of the literature. *Pain management*. 2015;5(6):447-453.

47. Go KL, Lee S, Zendejas I, Behrns KE, Kim JS. Mitochondrial Dysfunction and Autophagy in Hepatic Ischemia Reperfusion Injury. *BioMed research international*. 2015;2015:183469.
48. Gruber H, Wessels W, Boynton P, et al. Age-related cellular changes in the long-lived bivalve *A. islandica*. *Age (Dordrecht, Netherlands)*. 2015;37(5):90.
49. Guidi M, Kumar A, Foster TC. Impaired attention and synaptic senescence of the prefrontal cortex involves redox regulation of NMDA receptors. *The Journal of neuroscience : the official journal of the Society for Neuroscience*. 2015;35(9):3966-3977.
50. Guidi M, Rani A, Karic S, Severance B, Kumar A, Foster TC. Contribution of N-methyl-D-aspartate receptors to attention and episodic spatial memory during senescence. *Neurobiology of learning and memory*. 2015;125:36-46.
51. Harfmann BD, Schroder EA, Esser KA. Circadian rhythms, the molecular clock, and skeletal muscle. *Journal of biological rhythms*. 2015;30(2):84-94.
52. Harle CA, Bauer SE, Hoang HQ, Cook RL, Hurley RW, Fillingim RB. Decision support for chronic pain care: how do primary care physicians decide when to prescribe opioids? a qualitative study. *BMC family practice*. 2015;16:48.
53. Hausenblas HA, Heekin K, Mutchie HL, Anton S. A systematic review of randomized controlled trials examining the effectiveness of saffron (*Crocus sativus* L.) on psychological and behavioral outcomes. *Journal of integrative medicine*. 2015;13(4):231-240.
54. Hernandez AR, Maurer AP, Reasor JE, et al. Age-related impairments in object-place associations are not due to hippocampal dysfunction. *Behavioral neuroscience*. 2015;129(5):599-610.
55. Hodge BA, Wen Y, Riley LA, et al. The endogenous molecular clock orchestrates the temporal separation of substrate metabolism in skeletal muscle. *Skeletal muscle*. 2015;5:17.
56. Jiang W, Zhu J, Zhuang X, et al. Lipin1 Regulates Skeletal Muscle Differentiation through Extracellular Signal-regulated Kinase (ERK) Activation and Cyclin D Complex-regulated Cell Cycle Withdrawal. *The Journal of biological chemistry*. 2015;290(39):23646-23655.
57. Kantrowitz JT, Woods SW, Petkova E, et al. D-serine for the treatment of negative symptoms in individuals at clinical high risk of schizophrenia: a pilot, double-blind, placebo-controlled, randomised parallel group mechanistic proof-of-concept trial. *The lancet Psychiatry*. 2015;2(5):403-412.
58. King AC, Salvo D, Banda JA, et al. An observational study identifying obese subgroups among older adults at increased risk of mobility disability: do perceptions of the neighborhood environment matter? *The international journal of behavioral nutrition and physical activity*. 2015;12:157.
59. Kirby TJ, Lee JD, England JH, Chaillou T, Esser KA, McCarthy JJ. Blunted hypertrophic response in aged skeletal muscle is associated with decreased ribosome biogenesis. *Journal of applied physiology (Bethesda, Md : 1985)*. 2015;119(4):321-327.
60. Kumar A, Bean LA, Rani A, Jackson T, Foster TC. Contribution of estrogen receptor subtypes, ER α , ER β , and GPER1 in rapid estradiol-mediated enhancement of hippocampal synaptic transmission in mice. *Hippocampus*. 2015;25(12):1556-1566.
61. Kurti AN, Logan H, Manini T, Dallery J. Physical activity behavior, barriers to activity, and opinions about a smartphone-based physical activity intervention among rural residents. *Telemedicine journal and e-health : the official journal of the American Telemedicine Association*. 2015;21(1):16-23.
62. Mainous AG, 3rd, Tanner RJ, Anton SD, Jo A. Grip Strength as a Marker of Hypertension and Diabetes in Healthy Weight Adults. *American journal of preventive medicine*. 2015;49(6):850-858.
63. Manini TM. Using physical activity to gain the most public health bang for the buck. *JAMA internal medicine*. 2015;175(6):968-969.
64. Manini TM, Carr LJ, King AC, Marshall S, Robinson TN, Rejeski WJ. Interventions to reduce sedentary behavior. *Medicine and science in sports and exercise*. 2015;47(6):1306-1310.
65. Mankowski RT, Anton SD, Buford TW, Leeuwenburgh C. Dietary Antioxidants as Modifiers of Physiologic Adaptations to Exercise. *Medicine and science in sports and exercise*. 2015;47(9):1857-1868.
66. Mankowski RT, Aubertin-Leheudre M, Beavers DP, et al. Sedentary time is associated with the metabolic syndrome in older adults with mobility limitations--The LIFE Study. *Experimental gerontology*. 2015;70:32-36.
67. Marzetti E, Calvani R, Landi F, et al. Innovative Medicines Initiative: The SPRINTT Project. *The Journal of frailty & aging*. 2015;4(4):207-208.
68. Mathias B, Szpila BE, Moore FA, Efron PA, Moldawer LL. A Review of GM-CSF Therapy in Sepsis. *Medicine*. 2015;94(50):e2044.

69. McLaren ME, Szymkowicz SM, Kirton JW, Dotson VM. Impact of Education on Memory Deficits in Subclinical Depression. *Arch Clin Neuropsychol*. 2015.
70. Meloto CB, Segall SK, Smith S, et al. COMT gene locus: new functional variants. *Pain*. 2015;156(10):2072-2083.
71. Modave F, Bian J, Leavitt T, Bromwell J, Harris Iii C, Vincent H. Low Quality of Free Coaching Apps With Respect to the American College of Sports Medicine Guidelines: A Review of Current Mobile Apps. *JMIR mHealth and uHealth*. 2015;3(3):e77.
72. Monroe TB, Gore JC, Bruehl SP, et al. Sex differences in psychophysical and neurophysiological responses to pain in older adults: a cross-sectional study. *Biology of sex differences*. 2015;6:25.
73. Nacionales DC, Szpila B, Ungaro R, et al. A Detailed Characterization of the Dysfunctional Immunity and Abnormal Myelopoiesis Induced by Severe Shock and Trauma in the Aged. *Journal of immunology (Baltimore, Md : 1950)*. 2015;195(5):2396-2407.
74. Nackers LM, Dubyak PJ, Lu X, Anton SD, Dutton GR, Perri MG. Group dynamics are associated with weight loss in the behavioral treatment of obesity. *Obesity (Silver Spring, Md)*. 2015;23(8):1563-1569.
75. Naugle KM, Cruz-Almeida Y, Vierck CJ, Mauderli AP, Riley JL, 3rd. Age-related differences in conditioned pain modulation of sensitizing and desensitizing trends during response dependent stimulation. *Behavioural brain research*. 2015;289:61-68.
76. Petrov ME, Goodin BR, Cruz-Almeida Y, et al. Disrupted sleep is associated with altered pain processing by sex and ethnicity in knee osteoarthritis. *The journal of pain*. 2015;16(5):478-490.
77. Rejeski WJ, Rushing J, Guralnik JM, et al. The MAT-sf: identifying risk for major mobility disability. *The journals of gerontology Series A, Biological sciences and medical sciences*. 2015;70(5):641-646.
78. Scheinert RB, Asokan A, Rani A, Kumar A, Foster TC, Ormerod BK. Some hormone, cytokine and chemokine levels that change across lifespan vary by cognitive status in male Fischer 344 rats. *Brain, behavior, and immunity*. 2015;49:216-232.
79. Schroder EA, Burgess DE, Zhang X, et al. The cardiomyocyte molecular clock regulates the circadian expression of Kcnh2 and contributes to ventricular repolarization. *Heart rhythm*. 2015;12(6):1306-1314.
80. Schroder EA, Harfmann BD, Zhang X, et al. Intrinsic muscle clock is necessary for musculoskeletal health. *The Journal of physiology*. 2015;593(24):5387-5404.
81. Seo AY, Leeuwenburgh C. The Role of Genome Instability in Frailty: Mitochondria versus Nucleus. *Nestle Nutrition Institute workshop series*. 2015;83:19-27.
82. Simon CB, Lee-McMullen B, Phelan D, Gilkes J, Carter CS, Buford TW. The renin-angiotensin system and prevention of age-related functional decline: where are we now? *Age (Dordrecht, Netherlands)*. 2015;37(1):9753.
83. Simon CB, Riley JL, 3rd, Fillingim RB, Bishop MD, George SZ. Age Group Comparisons of TENS Response Among Individuals With Chronic Axial Low Back Pain. *The journal of pain*. 2015;16(12):1268-1279.
84. Sink KM, Espeland MA, Castro CM, et al. Effect of a 24-Month Physical Activity Intervention vs Health Education on Cognitive Outcomes in Sedentary Older Adults: The LIFE Randomized Trial. *Jama*. 2015;314(8):781-790.
85. Solberg LB, Solberg LM, Carter CS. Geriatric care boot cAMP: an interprofessional education program for healthcare professionals. *Journal of the American Geriatrics Society*. 2015;63(5):997-1001.
86. Sorond FA, Cruz-Almeida Y, Clark DJ, et al. Aging, the Central Nervous System, and Mobility in Older Adults: Neural Mechanisms of Mobility Impairment. *The journals of gerontology Series A, Biological sciences and medical sciences*. 2015;70(12):1526-1532.
87. Swerdloff RS, Pak Y, Wang C, et al. Serum Testosterone (T) Level Variability in T Gel-Treated Older Hypogonadal Men: Treatment Monitoring Implications. *The Journal of clinical endocrinology and metabolism*. 2015;100(9):3280-3287.
88. Szpila BE, Ozrazgat-Baslanti T, Zhang J, et al. Successful implementation of a packed red blood cell and fresh frozen plasma transfusion protocol in the surgical intensive care unit. *PLoS ONE*. 2015;10(5):e0126895.
89. Szymkowicz SM, McLaren ME, Kirton JW, et al. Depressive symptom severity is associated with increased cortical thickness in older adults. *Int J Geriatr Psychiatry*. 2015.
90. Thomas DM, Ivanescu AE, Martin CK, et al. Predicting successful long-term weight loss from short-term weight-loss outcomes: new insights from a dynamic energy balance model (the POUNDS Lost study). *The American journal of clinical nutrition*. 2015;101(3):449-454.

91. Tighe PJ, Goldsmith RC, Gravenstein M, Bernard HR, Fillingim RB. The painful tweet: text, sentiment, and community structure analyses of tweets pertaining to pain. *Journal of medical Internet research*. 2015;17(4):e84.
92. Tighe PJ, Harle CA, Hurley RW, Aytug H, Boezaart AP, Fillingim RB. Teaching a Machine to Feel Postoperative Pain: Combining High-Dimensional Clinical Data with Machine Learning Algorithms to Forecast Acute Postoperative Pain. *Pain medicine (Malden, Mass)*. 2015;16(7):1386-1401.
93. Tighe PJ, Le-Wendling LT, Patel A, Zou B, Fillingim RB. Clinically derived early postoperative pain trajectories differ by age, sex, and type of surgery. *Pain*. 2015;156(4):609-617.
94. Tranah GJ, Yaffe K, Katzman SM, et al. Mitochondrial DNA Heteroplasmy Associations With Neurosensory and Mobility Function in Elderly Adults. *The journals of gerontology Series A, Biological sciences and medical sciences*. 2015;70(11):1418-1424.
95. Tranel HR, Schroder EA, England J, et al. Physical activity, and not fat mass is a primary predictor of circadian parameters in young men. *Chronobiology international*. 2015;32(6):832-841.
96. Tsai YH, Garrett TJ, Carter CS, Yost RA. Metabolomic Analysis of Oxidative and Glycolytic Skeletal Muscles by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometric Imaging (MALDI MSI). *Journal of the American Society for Mass Spectrometry*. 2015;26(6):915-923.
97. Vairetti M, Jaeschke H, Monbaliu D, Kim JS, Ferrigno A. Innovative Pharmacological/Therapeutic Approaches against Hepatic Ischemia/Reperfusion Injury. *BioMed research international*. 2015;2015:918583.
98. Vanzant EL, Hilton RE, Lopez CM, et al. Advanced age is associated with worsened outcomes and a unique genomic response in severely injured patients with hemorrhagic shock. *Critical care (London, England)*. 2015;19(1):77.
99. Vaz Fragoso CA, Miller ME, King AC, et al. Effect of Structured Physical Activity on Sleep-Wake Behaviors in Sedentary Elderly Adults with Mobility Limitations. *Journal of the American Geriatrics Society*. 2015;63(7):1381-1390.
100. Vlada CA, Kim JS, Behrns KE. Autophagy: self-preservation through cannibalism of proteins and organelles. *Surgery*. 2015;157(1):1-5.
101. Wallet MA, Buford TW, Joseph AM, et al. Increased inflammation but similar physical composition and function in older-aged, HIV-1 infected subjects. *BMC immunology*. 2015;16:43.
102. Wegman MP, Guo MH, Bennion DM, et al. Practicality of intermittent fasting in humans and its effect on oxidative stress and genes related to aging and metabolism. *Rejuvenation research*. 2015;18(2):162-172.
103. Widerstrom-Noga E, Cruz-Almeida Y, Felix ER, Pattany PM. Somatosensory phenotype is associated with thalamic metabolites and pain intensity after spinal cord injury. *Pain*. 2015;156(1):166-174.
104. Widerström-Noga E, Cruz-Almeida Y, Felix ER, Pattany PM. Somatosensory phenotype is associated with thalamic metabolites and pain intensity after spinal cord injury. *Pain*. 2015;156(1):166-174.
105. Xie Z, Su W, Liu S, et al. Smooth-muscle BMAL1 participates in blood pressure circadian rhythm regulation. *The Journal of clinical investigation*. 2015;125(1):324-336.
106. Zahodne LB, Meyer OL, Choi E, et al. External locus of control contributes to racial disparities in memory and reasoning training gains in ACTIVE. *Psychology and aging*. 2015;30(3):561-572.