

PROF BELINDA BECK, PHD  
PUBLICATIONS (as at 07/08/22)

PAPERS

Accepted/EPub ahead of print:

1. Kistler-Fischbacher M, Yong J, Weeks BK, **Beck BR**: High-Intensity Exercise and Geometric Indices of Hip Bone Strength in Postmenopausal Women on or off Bone Medication: The MEDEX-OP Randomised Controlled Trial, *Calcified Tissue International* Online First 13/6/22, DOI: 10.1007/s00223-022-00991-z
2. Kistler-Fischbacher M, Weeks BK, **Beck BR**: The effect of exercise intensity on bone in postmenopausal women (Part 1): a Systematic review, *Bone*. 2021 Feb;143:115696. doi: 10.1016/j.bone.2020.115696. Epub 2020 Dec 24
3. Kistler-Fischbacher M, Weeks BK, **Beck BR**: The effect of exercise intensity on bone in postmenopausal women (Part 2): a Meta-analysis, *Bone*. 2021 Feb;143:115697. doi: 10.1016/j.bone.2020.115697. Epub 2020 Dec 24
4. Than C, Seidl L, and **Beck BR**: Comparative acceptability of weight bearing physical activity in sporting footwear versus barefoot in habitually shod individuals. *Journal of the American Podiatric Medical Association* 112(3): , 2022 <https://doi.org/10.7547/20-148> Online first 16 Feb

In print:

1. **Beck BR**: Exercise prescription for osteoporosis: Back to Basics. Perspectives for Progress *Exercise and Sport Sciences Reviews*, 50(2):57-64, (April) 2022.
2. Hoenig T, Ackerman K, **Beck BR**, Bouxsein M, Burr D, Hollander K, Popp K, Rolvien T, Tenforde A, and Warden S: Bone stress injuries. *Nature Reviews Disease Primers* 8:26, 2022.
3. Hall N, Constantinou M, Brown M, **Beck BR**, Kuys S: Prevalence of Musculoskeletal Injuries in New Zealand Army Recruits as Defined by Physical Therapy Service Presentations. *Military Medicine*, 187(1-2): 174–181, 2022
4. **Beck BR**, Rubin CT, Harding AT, Paul SK, Forwood M: The effect of low-intensity whole-body vibration with or without high-intensity resistance and impact training on risk factors for proximal femur fragility fracture in postmenopausal women with low bone mass: Study protocol for the VIBMOR randomized controlled trial, *Trials*, 23:15, 2022, BMC Open Access <https://doi.org/10.1186/s13063-021-05911-4>
5. Kistler-Fischbacher M, Yong J, Weeks BK, **Beck BR**: A comparison of bone-targeted exercise with and without antiresorptive bone medication to reduce indices of fracture risk in postmenopausal women with low bone mass: the MEDEX-OP randomised controlled trial. *Journal of Bone and Mineral Research* Sep;36(9):1680-1693, 2021
6. Lambert C, **Beck BR** and Weeks BK: Landing impact intensities for jumping exercises from the OPTIMA-Ex trial in trained and untrained women. *Journal of Strength and Conditioning Research* J Strength Cond Res. 35(9):2504-2510, 2021
7. O'Rourke D, **Beck BR**, Harding AL, Watson S, Pivonka P, Martelli S: Assessment of femoral neck strength and bone mineral density changes following exercise using 3D-DXA images, *Journal of Biomechanics*, Special Issue in memory of Stephan Perren 119, 15 April 2021
8. **Beck BR** and Drysdale L: Risk Factors, Diagnosis and Management of Bone Stress Injuries in Adolescent Athletes: A Narrative Review. *Sports* 9(4), 52, 2021
9. Shrestha N; Vidimce J; Holland O; Cuffe J; **Beck BR**; Perkins A; McAinch A; Hryciw D: High maternal and postweaning linoleic acid impacts hepatic and metabolic function in adult rat offspring in sex-specific manner *International Journal of Molecular Science*. 14;22(6):2946, 2021

10. Wong JC, O'Neill S, **Beck** BR, Forwood MR, Khoo SK.: Comparison of obesity and metabolic syndrome prevalence using fat mass index, body mass index and percentage body fat. *PLoS One*. 2021 16(1):e0245436
11. Harding AT, Weeks BK, Lambert C, Watson SL, Weis L, **Beck** BR: Exploring thoracic kyphosis and incident fracture from vertebral morphology with high-intensity exercise in middle-aged and older men with osteopenia and osteoporosis: a secondary analysis of The LIFTMOR-M trial. *Osteoporosis International* 32, 451–465, 2021
12. Lambert C, **Beck** BR, Watson SL, Harding AT, Weeks BK: Enjoyment and acceptability of different exercise modalities to improve bone health in young adult women. *Health Promotion Journal of Australia* 31(3):369-380, 2020
13. Harding AT, Weeks BK, Lambert C, Watson SL, Weis L, **Beck** BR: A comparison of bone-targeted exercise strategies to reduce fracture risk in middle-aged and older men with osteopenia and osteoporosis: LIFTMOR-M semi-randomized controlled trial. *Journal of Bone and Mineral Research*. 35(8):1404–1414, 2020
14. Harding AT, Weeks BK, Lambert C, Watson SL, Weis L, **Beck** BR: Effects of supervised high-intensity resistance and impact training or machine-based isometric training on regional bone geometry and strength in middle-aged and older men with low bone mass: The LIFTMOR-M semi-randomized controlled trial. *Bone* 136:115362, 2020
15. Martelli S, **Beck** BR, Saxby D, Lloyd D, Pivonka P, Taylor M: Modelling human locomotion to inform exercise prescription for osteoporosis. *Current Osteoporosis Reports* 18(3) 301-311, 2020
16. **Beck** BR, Harding A, Weeks BK, Humbert L, Winzenrieth R: Response to Concerns regarding the use of 3D-DXA *Bone* (2021), <https://doi.org/10.1016/j.bone.2021.115936>
17. Jenkins M, Hart NH, Nimphius S, Chivers P, Rantalainen T, Rothacker KM, **Beck** BR, Weeks BK, McIntyre F, Hands B, Beeson BP, Siafarikas A: Characterisation of peripheral bone mineral density in youth at risk of secondary osteoporosis - a preliminary insight. *Journal of Musculoskeletal and Neuronal Interactions* 2020; 20(1):27-52
18. Lambert C, **Beck** BR, Harding A, Watson SL, Weeks BK: Regional changes in indices of bone strength of upper and lower limbs in response to high-intensity impact loading or high-intensity resistance training *Bone* 2020 132:115192
19. Ng C-A, McMillan LB, **Beck**, BR, Humbert L, Ebeling PR, Scott D: Associations between Physical Activity and Bone Structure in Older Adults: Does the use of Self-Reported versus Objective Assessments of Physical Activity Influence the Relationship? *Osteoporosis International*. 31(3) 493-503, 2020
20. Pettigrew S, Rai R, Jongenelis M, Jackson B, **Beck** B, Newton R: The Potential Importance of Housing Type for Older People's Physical Activity Levels. *Journal of Applied Gerontology*, 39(3): 285-291, 2020
21. Wong JCH, O'Neill S, **Beck** BR, Forwood MR, Soo KK: A 5-year longitudinal study of changes in body composition in women in the perimenopause and beyond. *Maturitas*, 132; 49-56, 2020
22. Myers K, Watson SL, Weeks BW, Weis LJ, **Beck** BR: Are musculoskeletal benefits of 8 months high-intensity exercise maintained in postmenopausal women with low bone mass? LIFTMOR trial follow-up *Journal of Science and Medicine in Sport*, (Supp 2): S36, 2019
23. Fischbacher M, Weeks BK, **Beck** BR: The influence of antiresorptive bone medication on the effect of high intensity resistance and impact training on osteoporotic fracture risk in postmenopausal women with low bone mass: protocol for the MEDEX-OP randomised controlled trial. *BMJ Open* 9(9) 2019, 9:e029895
24. Simas, V, Hing W, Rathbone E, Pope R, **Beck** BR, Climstein M: Bone health of middle-aged and older surfers. *Open Access Journal of Sports Medicine*, 10,123–132, 2019
25. Loureiro A, Constantinou M, **Beck** B, Barrett R, Diamond L: A 12-month prospective exploratory study of muscle and fat characteristics in individuals with mild-to-moderate hip osteoarthritis. *BMC Musculoskeletal Disorders*, 20(1):283, 2019

26. Loureiro A, Constantinou M, **Beck** B, Barrett R, Diamond L: A 12-month prospective exploratory study of muscle and fat characteristics in individuals with mild-to-moderate hip osteoarthritis. *BMC Musculoskeletal Disorders*, 20(1):283, 2019
27. Watson SL, Weeks BK, Weis L, Harding A, Horan SA, and **Beck** BR: High-intensity exercise did not cause vertebral fractures and improves thoracic kyphosis in postmenopausal women with low to very low bone mass: The LIFTMOR trial *Osteoporosis International*, 30(5):957–964, 2019
28. Bishop PJ, Hocknull SA, Clemente CJ, Hutchinson JR, Farke AA, **Beck** BR, Barrett R, Lloyd DG: Cancellous bone and theropod dinosaur locomotion. Part I—an examination of cancellous bone architecture in the hindlimb bones of theropods. *PeerJ* 6, e5778
29. Chivers P, Rantalainen T, McIntyre F, Hands B, Weeks B, **Beck** B, Hart NH, Siafarikas A.: Suboptimal bone status for adolescents with Low Motor Competence and Developmental Coordination Disorder - it's sex specific. *Research in Developmental Disabilities*. 84, 57-65, 2019
30. Loureiro A, Constantinou M, Diamond LE, **Beck** BR, Barrett R; PhD Individuals with mild-to-moderate hip osteoarthritis have lower limb muscle strength and volume deficits. *BMC Musculoskeletal Disorders*. 19(1):303, 2018
31. Oi M, Donner D, Peart J, **Beck** B, Wendt L, Headrick JP, du Toit EF: Pravastatin improves risk factors but not ischaemic tolerance in obese rats. *European Journal of Pharmacology* 826, 148-157, 2018
32. Rantalainen T, Chivers P, **Beck** BR, Robertson S, Hart N, Nimphius S, Weeks BK, McIntyre F, Hands B, Siafarikas A: Please Don't Move a Muscle - Evaluating Motion Artefact from pQCT Scans Using Textural Features. *Journal of Clinical Densitometry*. 21(2): 260-268, 2018
33. Lambert C, Watson SL, **Beck** BR and Weeks BK: Concurrent validity and reliability of a linear positional transducer and an accelerometer to measure punch characteristics. *Journal of Strength and Conditioning Research* 32(3); 675-680, 2018
34. Watson SL, Weeks BK, Weis L, Horan SA, and **Beck** BR: High-Intensity Resistance and Impact Training Improves Bone Mineral Density and Physical Function in Postmenopausal Women with Osteopenia and Osteoporosis: The LIFTMOR Randomized Controlled Trial. *Journal of Bone and Mineral Research* 33(2):211-220, 2018
35. **Beck** BR: Exercise for bone in childhood – hitting the sweet spot *Pediatric Exercise Science*. 29(4):440-449, 2017
36. Nogueira RC, Weeks BK, and **Beck** BR: One-year follow-up of the CAPO Kids trial: are physical benefits maintained? *Pediatric Exercise Science*. 29(4):486-495, 2017
37. Lambert C, **Beck** BR, Weeks BK: A protocol for a randomised controlled trial of the bone response to impact loading or resistance training in young women with lower than average bone mass: The OPTIMA-Ex trial *BMJ Open* 7(9): e016983 Sep 1, 2017
38. **Beck** BR, Rudzki S, Jones G, Dzera S: Physical Profile of Recruits at ARTC Kapooka and Relationship to Musculoskeletal Injury During Training: Baseline observations from the PREFIT study. *J Mil Vet Health*. 25(4):62, 2017
39. Harding AT, Weeks BK, Watson SL, **Beck** BR: The LIFTMOR–M (Lifting Intervention For Training Muscle and Osteoporosis Rehabilitation for Men) trial: The protocol for a semi-randomised controlled trial of targeted exercise to reduce risk of osteoporotic fracture in older men with low bone mass. *BMJ Open* 7(6): e014951, 2017
40. Harding AT and **Beck** BR: Exercise, osteoporosis and bone geometry. *Sports* 2017, 5(2) 29
41. **Beck** BR, Daly RM, Fiatarone-Singh MA, Taaffe DR: Exercise and Sports Science Australia (ESSA) position statement on exercise prescription for the prevention and management of osteoporosis. *J Science Med Sport* 20(5): 438-445, 2017
42. Brito da Luz S, Modenese L, Mills PM, Kennedy B, Beck BR, Sancisi N, Besier TF, Lloyd DG, Feasibility of using MRIs to create subject-specific parallel-mechanism joint models. *J Biomech*, 53:45-55, 2017
43. Harding A, Weeks BK, Horan SA, Little A, Watson SL, **Beck** BR: Validity and reliability of a novel simple back extensor muscle strength test. *SAGE Open Med* 5, 1-9, 2017

44. Rantalainen T, Weeks BK, Nogueira RC, **Beck BR**: Long Bone Robustness during Growth: a Cross-Sectional pQCT Examination of Children and Young Adults Aged 5-29 Years, *BONE*, 93:71–78, 2016
45. Weeks BK, Purvis M, **Beck BR**: Physical Activity Estimated by the Bone-specific Physical Activity Questionnaire is also Associated with Cardiovascular Risk Factors *Eur J Sport Sci.* 3:1-8, 2016
46. Weeks BK, Nogueira RC, Hirsch R, **Beck BR**: Is Calcaneal Broadband Ultrasound Attenuation a Valid Index of DXA-derived Bone Mass in Children Across the Age Span *Bone Joint Res* 5(11):538-543, 2016
47. Slade SC, Dionne CE, Underwood B, Buchbinder R, **Beck BR**, Bennell K, Brosseau L, Costa L, Cramp F, Cup E, Feehan L, Ferreira M, Forbes S, Glasziou P, Habets B, Harris S, Hay-Smith J, Hillier S, Hinman R, Holland A, Hondras M, Kelly G, Kent P, Lauret G-J, Long A, Maher C, Morso L, Osteras N, Peterson T, Quinlivan R, Rees K, Regnaud J-P, Rietberg M, Saunders D, Skoetz N, Sogaard K, Takken T, van Tulder M, Voet N, Ward L, White C.: Consensus on Exercise Reporting Template (CERT): Modified Delphi Study. *Physical Therapy*, 96(10):1514-1524, 2016
48. **Beck BR**, Watson SL, Weis L, Horan SA, and Weeks BK: Response to Giangregorio et al.: Intensity is a subjective construct. *Osteoporosis Int* 27:2393–2394, 2016
49. Weeks BK, Gerrits T, Horan SA, and **Beck BR**. Muscle size not density predicts variance in muscle strength and neuromuscular performance in healthy adult men and women. *J Strength Cond Res.* 30(6):1577-84, 2016
50. Donner DG, Elliott GE, **Beck BR**, Forwood MR, Bulmer AC, Du Toit EF: The effects of visceral obesity and androgens on bone: Trenbolone protects against loss of femoral bone mineral density and structural strength in viscerally obese and testosterone-deficient male rats. *Osteoporosis Int* 27(3):1073-82, 2016
51. Donner DG, Elliott GE, **Beck BR**, Bulmer AC, Du Toit EF: Trenbolone improves cardiometabolic risk factors and myocardial tolerance to ischemia-reperfusion in male rats with testosterone-deficient metabolic syndrome. *Endocrinology* 157(1):368-81, 2016
52. Watson SL, Weeks BK, Weis L, Horan SA, and **Beck BR**: Heavy resistance training is safe and improves bone, function and stature in postmenopausal women with low to very low bone mass: Novel early findings from the LIFTMOR trial. *Osteoporosis Int.* 26(12): 2889-2894, 2015
53. **Beck BR**: Vibration therapy to prevent bone loss and falls - mechanisms and efficacy. *Current Osteoporosis reports* 13(6):381-9, 2015
54. Donner DG, Elliott GE, **Beck BR**, Bulmer AC, Du Toit EF: Impact of diet-induced obesity and testosterone deficiency on the cardiovascular system: A robust rodent model representative of males with TDMetS. *PLOS One*;10(9):e0138019
55. Hind K, Gannon L, Brightmore A, **Beck BR**: Insights into relationships between body mass, composition and bone: findings in elite male rugby players *J Clin Densitom.* 2015;18(2):172-8
56. Nogueira RC, **Beck BR**, and Weeks BK: Characterisation of the mechanical loads and metabolic intensity of the CAPO Kids exercise intervention for healthy primary school children. *J Sports Sci Med*;14(3):562-7, 2015
57. **Beck BR**, Rudolph K, Matheson G, Bergman G, Norling T and Marcus R: Risk Factors for Tibial Stress Injuries: A Case-Control Study. *Clin J Sport Med* 25(3):230-6, 2015
58. Nogueira RC, Weeks BK, and **Beck BR**: Targeting bone and fat with novel exercise for peripubertal boys: The CAPO Kids trial. *Pediatr Exerc Sci*, 27(1):128-39, 2015
59. Donner DG, **Beck BR**, Bulmer A, Lam A, Du Toit EF: Improvements in Body Composition, Cardiometabolic Risk Factors and Insulin Sensitivity with Trenbolone in Normogonadic Rats. *Steroids* 94:60-9, 2015
60. Rantalainen T, Weeks BK, Nogueira RC, **Beck BR**: Effects of bone-specific physical activity, gender and maturity on tibial cross-sectional bone material distribution; a cross-sectional pQCT comparison of children and young adults aged 5-29 years. *Bone*,72:101-8, 2015
61. Weeda J, Horan S, **Beck BR**, Weeks BK: Lifetime physical activity, neuromuscular performance and body composition in healthy young men. *Int J Sports Med.* 35: 900-905, 2014

62. Hind K, Birrell F and **Beck** BR: Prevalent morphometric vertebral fractures in professional male rugby players. *PlosOne* 2014 20;9(5):e97427
63. Nogueira RC, Weeks BK, and **Beck** BR: Exercise to improve pediatric bone and fat: a systematic review and meta-analysis. *Med Sci Sports Exerc*, 46(3):610-21, 2014
64. Bolam KA, **Beck** BR, Adlard KN, Skinner TL, Cormie P, Galvão DA, Spry N, Newton RU, Taaffe DR: Relationship Between BPAQ Derived Physical Activity and Bone Density of Middle-aged and Older Men. *Osteoporosis Int.*25(11):2663-8, 2014
65. Nogueira RC, Weeks BK, and **Beck** BR: An in-school Exercise Intervention to Enhance Bone and Reduce Fat in Girls: The CAPO Kids Trial. *Bone* 68: 92–99, 2014
66. **Beck** BR: Can therapeutic ultrasound accurately detect bone stress injuries in athletes? *Clin J Sports Med*, 2013, 23(3):241-2. doi: 10.1097/JSM.0b013e3182926bda. (Invited comment on: [Ultrasound as a primary evaluation tool of bone stress injuries in elite track and field athletes](#). *Am J Sports Med*. 2012)
67. Ebeling PR, Daly RM, Kerr DA, Kimlin MG (coordinating editors): Building Healthy Bones Throughout Life; an evidence-informed strategy to prevent Osteoporosis. Osteoporosis Australia White Paper, *Med J Aust*, 2 (S1):1-49, 2013. Contributors: Bailey C, Banks E, **Beck** B, Devine A, Eisman J, English D, Fiatarone Singh M, Jones G, Lai J, Lucas R, Mason R, Nowson C, Paxton G, Pocock N, Prince R, Reid I, Sanders K, Scragg R, Seibel M, Weaver C, Winzenberg T, Zhu K, Mitchell P
68. Georgeson EC, Weeks BK, McLellan C, **Beck** BR: Seasonal change in bone, muscle and fat in professional rugby league players and its relationship to injury: a cohort study. *BMJ Open*, 2 2012: e001400.
69. Lal R, Mills PM, **Beck** B, Horton R, Adams L, Jason T. (2012). The effects of anthracycline/taxane adjuvant chemotherapy on body composition in breast cancer patients, *Clinical Pharmacology in Drug Development*, 1(4): 190. (Online version).
70. **Beck** BR, Bergman AG, Miner M, Arendt E, Klevansky A, Matheson GO, Norling T. and Marcus R.: Tibial stress injury: Relationship of Radiographic, Nuclear Medicine Bone Scanning, MR Imaging, and CT Severity Grades to Clinical Severity and Time to Healing *Radiology*, 263:811-818, 2012
71. Lovell D, Shields D, **Beck** B, Cuneo R, McLellan C: The aerobic performance of elite hand cyclists with spinal cord injury. *Eur J Appl Physiol*,112:3431–3437, 2012
72. Weeks BK and **Beck** BR: Are Bone and Muscle Changes from POWER PE, an 8-month In-school Jumping Intervention, Maintained at Three Years? *PLoS ONE* ,7(6): e39133.
73. Weeks BK and **Beck** BR: Twice-weekly, in-school jumping reduces fat mass in adolescent boys. *Pediatr Obes*, 7:196–204, 2012
74. Weeks BK, Hirsch RD, Moran DS and **Beck** BR: A useful tool for analysing the effects of bone-specific physical activity. *Salud (i) Ciencia*, 18(6): 538-542 2011 (Invited Expert section.)
75. Weeks BK and **Beck** BR: Broadband ultrasound attenuation of the calcaneus is related to physical activity in young adult Caucasian men and women, *Gazz Med Ita - Arch Sci Med* 179(4):229-237, 2011
76. **Beck** BR and Norling TL: The effect of 8 mos of twice-weekly low- or higher intensity WBV on risk factors for postmenopausal hip fracture. *Am J Phys Med Rehabil*, 89:997, 2010
77. Weeks BK, and **Beck** BR. The Relationship between Physical Activity and Bone during Adolescence Differs according to Sex and Biological Maturity. *J Osteoporos*, 2010:546593, 2010
78. **Beck** BR: Muscle forces or gravitational loads: What places the largest forces on bones? *Med Sci Sports Exerc*, 41(11):2033-2036, 2009
79. Weeks BK, and **Beck** BR. The BPAQ: A bone-specific physical activity assessment instrument. *Osteoporosis Int*, 19(11):1567-1577, 2008.
80. Weeks BK, Young CM, and **Beck** BR: Eight months of regular in-school jumping improves indices of bone strength in adolescent boys and girls: Results of the POWER PE study. *J Bone Miner Res*, 23(7):1002-1011, 2008.

81. Porter FS, **Beck BR**, Beiersdorfer P, et al [The XRS microcalorimeter spectrometer at the Livermore electron beam ion trap](#) *Can J Phys* 86(1): 231-240, 2008
82. **Beck BR**, Matheson GO, Bergman G, Norling TL, Fredericson M, Hoffman A, and Marcus R: Do capacitively coupled electric fields accelerate tibial stress fracture healing? *Am J Sports Med*, 36:(3) 545-553, 2008  
Listed in OrthoEvidence, to provide best evidence summaries for important studies in the field.
83. Young CM, Weeks BK, and **Beck BR**: Simple, novel physical activity maintains proximal femur bone mineral density, and improves muscle strength and balance in sedentary, postmenopausal Caucasian women. *Osteoporosis Int*, 18(10):1379-1387, 2007
84. **Beck BR**, Kent K., Holloway L and Marcus R: Novel, High Frequency, Low Strain, Mechanical Loading for Premenopausal Women with Low Bone Mass: Early Findings. *J Bone Miner Metab*, 24(6):505-507, 2006
85. **Beck BR** and Doecke JD: Seasonal Bone Mass of College and Senior Field Hockey Players. *J Sports Med Phys Fitness*, 45(3):347-54, 2005
86. **Beck BR** and Snow CM: Bone Health Across the Lifespan – Exercising our options. *Exerc Sport Sci Rev*, 31(3), 117-122, 2003.
87. **Beck BR**, QinYX, McLeod KJ and Otter MW: On the relationship between streaming potential and strain in an *in vivo* bone preparation. *Calcif Tissue Int*, 71(4):335-343, 2002
88. Freeman SPHT, **Beck BR**, Bierman JM, Caffee MW, Heaney RP, Holloway L, Marcus R, Southon JR, Vogel JS: The study of skeletal calcium metabolism with <sup>41</sup>Ca and <sup>45</sup>Ca. *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*, 172(1-4): 930-933, 2000
89. **Beck BR** and Matheson GO: Stress fractures in athletes: recognition and treatment. *Sports Medicine Consult*, 1(4):1-6, 2000.
90. **Beck BR** and Shoemaker MR: Osteoporosis: Understanding key risk factors and therapeutic options. *Phys Sportsmed*, 28(2): 69-84, 2000
91. **Beck BR** and Matheson GO: Common stress fractures. *Clinics in Family Practice; Sports Medicine Issue*, 1(1): 251-274, 1999
92. **Beck BR**: Tibial stress injuries: an aetiological review for the purposes of guiding management. *Sports Med*, 26:265-279, 1998
93. **Beck BR** and Osternig LR: [Stress-syndroom aan de mediale zijde van de tibia Ligging van de beenspieren in relatie tot de symptomen](#). *Stimulus*, 14 (3), 152-152, 1995
94. **Beck BR** and Osternig LR: Medial Tibial Stress Syndrome: The location of muscles in the leg in relation to symptoms. *J Bone Joint Surg*. 76-A(7):1057-1061, 1994
95. **Beck BR**: Shin splints. *Sport and Wellness*, 1(1):1-3, 1994

#### INVITED COMMENTS AND COMMENTARIES/TRANSLATIONAL

1. **Beck BR**: Ask The Expert: Answering Your Bone Health Questions. *Spine Health Journal*. National Spine Health Foundation Spring 2021
2. **Beck BR**: Lifestyle management of bone health, *Dairy Australia White Paper*, Vic, Australia, Oct 2018
3. **Beck BR**: Osteoporosis and Exercise. Exercise is Medicine Fact Sheet 3rd Ed, *Exercise and Sports Science Australia*, 2017 Full and Brief versions
4. **Beck BR**: Raising the bar on exercise for osteoporosis. *Sport Health*, SMA publication Sept 2017
5. **Beck BR**: Stress Fractures. IN: *ACSM Sports Medicine Basics*, ACSM, Indianapolis; 2016 (ACSM Sports Medicine Basics are official expert perspective statements by the American College of Sports Medicine concerning topics of interest to the public at large.)  
<http://www.acsm.org/public-information/sportsmedicinebasics/stress-fractures>
6. **Beck BR**: Exercise-Induced Leg Pain. IN: *ACSM Sports Medicine Basics*, ACSM, Indianapolis; 2016  
<http://www.acsm.org/public-information/sportsmedicinebasics/exercise-induced-leg-pain>

7. **Beck BR:** Osteoporosis – Moving in the right direction. *Inspire: Research Australia Showcases Health and Medical Research*, Spring 2016 002, p18
8. **Beck BR:** Exercise for bone strength. *SportsPhysio* 2:20-22, 2014
9. **Beck BR:** Osteoporosis and Exercise. *Exercise is Medicine Fact Sheet 2<sup>nd</sup> Ed*, Exercise and Sports Science Australia, May 2014
10. **Beck BR:** Spotlight on Belinda Beck. *Physical Activity Australia*. Blueearth Foundation Invited blog. May 9, 2013. <http://www.physicalactivityaustralia.org.au/index.php/2013/05/spotlight-on-belinda-r-beck-ph-d/>
11. **Beck BR:** The Lovely Bones: Exercise for Osteoporosis. *Reps*, 15, (Sept):44-47, 2012
12. **Beck BR:** Osteoporosis and Exercise. *Exercise is Medicine Fact Sheet*, Exercise and Sports Science Australia, May 2011
13. **Beck BR:** Exercise-induced leg pain. *Current Comment, ACSM*, March, 2002 (Revised Dec 2004 and 2015)
14. **Beck BR:** Stress Fracture Management. *Current Comment. ACSM*, February, 2000 (Revised 2004 and 2016)

## CHAPTERS:

1. Weeks BK and **Beck BR:** Exercise and Physical Activity Recommendations for Optimizing Musculoskeletal Health in Older Adults. In: Rattan SIS (Ed.), *Encyclopedia of Biomedical Gerontology*. Elsevier Vol 2, Academic Press, pp. 68–77, 2020. <https://dx.doi.org/10.1016/B978-0-12-801238-3.11413-8>
2. **Beck BR** and Winters-Stone K.: Exercise in the prevention of osteoporosis-related fractures. IN: *Osteoporosis: Pathophysiology and Clinical Management*. 3<sup>rd</sup> Ed. Series: Contemporary Endocrinology Ed. Benjamin Z. Leder and Marc N. Wein, Humana Springer Totowa NJ, Ch 11, 2019 ISBN: 978-3-319-69286-9
3. **Beck BR** and Winters-Stone K.: Exercise in the prevention of osteoporosis-related fractures. IN: *Osteoporosis: Pathophysiology and Clinical Management*. 2<sup>nd</sup> Ed. Ed. Adler R, Humana Springer Totowa NJ, Ch 9, pp.207-239, 2010
4. Snow CM and **Beck BR:** Exercise in the prevention of osteoporosis-related fractures. IN: *Osteoporosis: Pathophysiology and Clinical Management*. Eds. Orwoll E. & Blizotes M., Humana Press Inc. Totowa NJ, Ch 11, pp. 221-246, 2003
5. **Beck BR**, Shaw J and Snow CM: Physical activity and osteoporosis. In: *Osteoporosis*. Eds. Marcus R, Feldman D and Kelsy J, Ch 28, Academic Press, San Diego, 2001, pp. 701-720
6. **Beck BR** and Marcus R.: Exercise and the aging skeleton. In: *The Aging Skeleton*. Ed. Rosen, Ch 39, Academic Press, San Diego, 1999, pp. 1001-1011
7. **Beck BR** and Marcus R: Skeletal effects of exercise. In: *Men and Osteoporosis*. Ed. Orwoll E, Ch 8, Academic Press, San Diego, 1999, pp 129-155