

REFERENCES

1. Digiovanni BF, Nawoczenski DA, Malay DP, et al. Plantar fascia-specific stretching exercise improves outcomes in patients with chronic plantar fasciitis. A prospective clinical trial with two-year follow-up. *J Bone Joint Surg Am*. 2006;88(8):1775-1781.
2. Moroney PJ, O'Neill BJ, Khan-Bhambro K, O'Flanagan SJ, Keogh P, Kenny PJ. The conundrum of calcaneal spurs: do they matter? *Foot Ankle Spec*. 2014;7(2):95-101.
3. Kulig K, Reischl SF, Pomrantz AB, et al. Nonsurgical management of posterior tibial tendon dysfunction with orthoses and resistive exercise: a randomized controlled trial. *Phys Ther*. 2009;89(1):26-37.
4. Tome J, Nawoczenski D a, Flemister A, Houck J. Comparison of foot kinematics between subjects with posterior tibialis tendon dysfunction and healthy controls. *J Orthop Sports Phys Ther*. 2006;36(9):635-644.
5. Jung DY, Koh EK, Kwon OY. Effect of foot orthoses and short-foot exercise on the cross-sectional area of the abductor hallucis muscle in subjects with pes planus: A randomized controlled trial. *J Back Musculoskelet Rehabil*. 2011;24(4):225-231.
6. Shamus J, Shamus E, Gugel RN, Brucker BS, Skaruppa C. The effect of sesamoid mobilization, flexor hallucis strengthening, and gait training on reducing pain and restoring function in individuals with hallux limitus: a clinical trial. *J Orthop Sports Phys Ther*. 2004;34(7):368-376.
7. Ogon M, Aleksiev AR, Pope MH, Wimmer C, Saltzman CL. Does arch height affect impact loading at the lower back level in running? *Foot ankle Int*. 1999;20(4):263-266.
8. Hintermann B, Nigg BM. Pronation in runners: Implications for injuries. *Sport Med*. 1998;26(3):169-176.
9. Rodrigues P, TenBroek T, Hamill J. Runners with anterior knee pain use a greater percentage of their available pronation range of motion. *J Appl Biomech*. 2013;29(2):141-146.
10. Gojanovic B. Foot pronation is not associated with increased injury risk in novice runners wearing a neutral shoe: A 1-year prospective cohort study. *Schweizerische Zeitschrift fur Sport und Sport*. 2013;61(4):52-53.
11. Young R, Nix S, Wholohan A, Bradhurst R, Reed L. Interventions for increasing ankle joint dorsiflexion: a systematic review and meta-analysis. *J Foot Ankle Res*. 2013;6(1):46.
12. Dinh N V., Freeman H, Granger J, Wong S, Johanson M. Calf stretching in non-weight bearing versus weight bearing. *Int J Sports Med*. 2011;32(3):205-210.
13. Grieve R, Clark J, Pearson E, Bullock S, Boyer C, Jarrett A. The immediate effect of soleus trigger point pressure release on restricted ankle joint dorsiflexion: A pilot randomised controlled trial. *J Bodyw Mov Ther*. 2011;15(1):42-49.
14. Johanson M a, Cuda BJ, Koontz JE, Stell JC, Abelew T a. Effect of stretching on ankle and knee angles and gastrocnemius activity during the stance phase of gait. *J Sport Rehabil*. 2009;18(4):521-534.
15. Muir IW, Chesworth BM, Vandervoort AA. Effect of a Static Calf-Stretching Exercise on the Resistive Torque During Passive Ankle Dorsiflexion in Healthy Subjects. *J Orthop Sport Phys Ther*. 1999;29(2):106-115.
16. Ryan M, Grau S, Krauss I, Maiwald C, Taunton J, Horstmann T. Kinematic analysis of runners with achilles mid-portion tendinopathy. *Foot ankle Int / Am Orthop Foot Ankle Soc [and] Swiss Foot Ankle Soc*. 2009;30(12):1190-1195.
17. Levy JC, Mizel MS, Clifford PD, Temple HT. Value of radiographs in the initial evaluation of nontraumatic adult heel pain. *Foot ankle Int*. 2006;27(6):427-430.
18. Young C, Cotton D, Taichman D, Williams S. In the Clinic: Plantar fasciitis. *Ann Intern Med*. 2012;156(1).
19. Riddle DL, Pulisic M, Pidcoe P, Johnson RE. Risk factors for Plantar fasciitis: a matched case-control study. *J Bone Joint Surg Am*. 2003;85-A(5):872-877.
20. Lemont H, Ammirati KM, Usen N. Plantar fasciitis: A degenerative process (Fasciosis) without inflammation. *J Am Podiatr Med Assoc*. 2003;93(1-6):234-237.
21. Mahowald S, Legge BS, Grady JF. The correlation between plantar fascia thickness and symptoms of plantar fasciitis. *J Am Podiatr Med Assoc*. 2011;101(5):385-389.
22. Sahin N, Öztürk A, Atici T. Foot mobility and plantar fascia elasticity in patients with plantar fasciitis. *Acta Orthop Traumatol Turc*. 2010;44(5):385-391.
23. Stecco C, Corradin M, Macchi V, et al. Plantar fascia anatomy and its relationship with Achilles tendon and paratenon. *J Anat*. 2013;223(6):665-676.
24. Boabighi A, Kuhlmann JN, Luboinski J, Landjerit B. [Aponeuroses and superficial fascia. Mechanical and structural properties]. *Bull Assoc Anat (Nancy)*. 1993;77(238):3-7.
25. Kibler WB, Goldberg C, Chandler TJ. Functional biomechanical deficits in running athletes with plantar fasciitis. *Am J Sports Med*. 1991;19(1):66-71.
26. Patel A, DiGiovanni B. Association between plantar fasciitis and isolated contracture of the gastrocnemius. *Foot ankle Int / Am Orthop Foot Ankle Soc [and] Swiss Foot Ankle Soc*. 2011;32(1):5-8.
27. Ribeiro AP, Trombini-Souza F, Tessutti V, Rodrigues Lima F, Sacco I de CN, João SMA. Rearfoot alignment and medial longitudinal arch configurations of runners with symptoms and histories of plantar fasciitis. *Clinics (Sao Paulo)*. 2011;66(6):1027-1033.
28. Burns J, Crosbie J, Hunt A, Ouvrier R. The effect of pes cavus on foot pain and plantar pressure. *Clin Biomech*. 2005;20(9):877-882.

29. Rome K. Anthropometric and biomechanical risk factors in the development of plantar heel pain—a review of the literature. *Phys Ther Rev.* 1997;2(3):123-134.
30. Irving DB, Cook JL, Menz HB. Factors associated with chronic plantar heel pain: a systematic review. *J Sci Med Sport.* 2006;9(1-2):11-22.
31. Wearing SC, Smeathers JE, Yates B, Sullivan PM, Urry SR, Dubois P. Sagittal movement of the medial longitudinal arch is unchanged in plantar fasciitis. *Med Sci Sports Exerc.* 2004;36(10):1761-1767.
32. Pohl MB, Hamill J, Davis IS. Biomechanical and Anatomic Factors Associated with a History of Plantar Fasciitis in Female Runners. *Clin J Sport Med.* 2009;19(5):372-376.
33. Chang R, Kent-Braun JA, Hamill J. Use of MRI for volume estimation of tibialis posterior and plantar intrinsic foot muscles in healthy and chronic plantar fasciitis limbs. *Clin Biomech.* 2012;27(5):500-505.
34. Dufour AB, Broe KE, Nguyen USDT, et al. Foot pain: Is current or past footwear a factor? The Framingham Foot Study. *Arthritis Care Res.* 2009;61(10):1352-1358.
35. Munteanu SE, Zammit G V., Menz HB. Factors associated with foot pain severity and foot-related disability in individuals with first metatarsophalangeal joint OA. *Rheumatology.* 2012;51(1):176-183.
36. Mickle KJ, Steele JR. Obese older adults suffer foot pain and foot-related functional limitation. *Gait Posture.* 2015;42(4):442-447.
37. Wacławski ER, Beach J, Milne A, Yacyshyn E, Dryden DM. Systematic review: Plantar fasciitis and prolonged weight bearing. *Occup Med (Chic Ill).* 2015;65(2):97-106.
38. Menz HB, Morris ME. Footwear characteristics and foot problems in older people. *Gerontology.* 2005;51(5):346-351.
39. Pinzur MS. American orthopaedic foot and ankle society diabetic shoe survey [16]. *Diabetes Care.* 1999;22(12):2099-2100.
40. Larson P. Comparison of foot strike patterns of barefoot and minimally shod runners in a recreational road race. *J Sport Heal Sci.* 2014;3(2):137-142.
41. Bonacci J, Saunders PU, Hicks A, Rantalainen T, Vicenzino BGT, Spratford W. Running in a minimalist and lightweight shoe is not the same as running barefoot: a biomechanical study. *Br J Sports Med.* 2013;47(6):387-392. doi:10.1136/bjsports-2012-091837.
42. Salzler MJ, Bluman EM, Noonan S, Chiodo CP, de Asla RJ. Injuries Observed in Minimalist Runners. *Foot Ankle Int.* 2012;33(4):262-266.
43. Altman AR, Davis IS. Prospective comparison of running injuries between shod and barefoot runners. *Br J Sports Med.* 2016;50(8):476-480.
44. Shih Y, Lin KL, Shiang TY. Is the foot striking pattern more important than barefoot or shod conditions in running? *Gait Posture.* 2013;38(3):490-494.
45. Cheung RTH, Rainbow MJ. Landing pattern and vertical loading rates during first attempt of barefoot running in habitual shod runners. *Hum Mov Sci.* 2014;34(1):120-127.
46. Franklin S, Grey MJ, Heneghan N, Bowen L, Li FX. Barefoot vs common footwear: A systematic review of the kinematic, kinetic and muscle activity differences during walking. *Gait Posture.* 2015;42(3):230-239.
47. Burnfield JM, Few CD, Mohamed OS, Perry J. The influence of walking speed and footwear on plantar pressures in older adults. *Clin Biomech.* 2004;19(1):78-84.
48. Otter SJ, Lucas K, Springett K, et al. Foot pain in rheumatoid arthritis prevalence, risk factors and management: An epidemiological study. *Clin Rheumatol.* 2010;29(3):255-271.
49. Rome K, Frecklington M, McNair P, Gow P, Dalbeth N. Foot pain, impairment, and disability in patients with acute gout flares: A prospective observational study. *Arthritis Care Res (Hoboken).* 2012;64(3):384-388.
50. Lopes AD, Hespanhol LC, Yeung SS, Costa LOP. What are the main running-related musculoskeletal injuries? A systematic review. *Sport Med.* 2012;42(10):891-905.
51. Chandler TJ, Kibler WB. A biomechanical approach to the prevention, treatment and rehabilitation of plantar fasciitis. *Sports Med.* 1993;15(5):344-352.
52. Cornwall MW, McPoil TG. Plantar fasciitis: Etiology and treatment. *Journal Orthop Sport Phys Ther.* 1999;29(12):756-760.
53. Ribeiro AP, João SMA, Dinato RC, Tessutti VD, Sacco ICN. Dynamic Patterns of Forces and Loading Rate in Runners with Unilateral Plantar Fasciitis: A Cross-Sectional Study. *PLoS One.* 2015;10(9):e0136971.
54. Filippou DK, Kalliakmanis A, Triga A, Rizos S, Grigoriadis E, Shipkov CD. Sport related plantar fasciitis. Current diagnostic and therapeutic advances. *Folia Med (Plovdiv).* 2004;46(3):56-60.
55. Giddings VL, Beaupré GS, Whalen RT, Carter DR. Calcaneal loading during walking and running. *Med Sci Sports Exerc.* 2000;32(3):627-634.
56. Dalal S, Widgerow AD, Evans GRD. The plantar fat pad and the diabetic foot—a review. *Int Wound J.* 2015;12(6):636-640. d
57. Alshami AM, Souvlis T, Coppieters MW. A review of plantar heel pain of neural origin: Differential diagnosis and management. *Man Ther.* 2008;13(2):103-111.
58. Hauser E. *Diseases of the Foot.* Philadelphia,PA: W.B. Saunders; 1939.
59. Menz HB, Zammit G V, Landorf KB, Munteanu SE. Plantar calcaneal spurs in older people: longitudinal traction or vertical compression? *J Foot Ankle Res.* 2008;1(1):7.
60. Wainwright AM, Kelly AJ, Winson IG. Calcaneal spurs and plantar fasciitis. *Foot.* 1995;5(3):123-126.
61. Osborne HR, Bredahl WH, Allison GT. Critical differences in lateral X-rays with and without a diagnosis of plantar fasciitis. *J Sci Med Sport.* 2006;9(3):231-237.

62. Puttaswamaiah R, Chandran P. Degenerative plantar fasciitis: A review of current concepts. *Foot*. 2007;17(1):3-9.
63. Smith S, Tinley P, Gilheany M, Grills B, Kingsford A. The inferior calcaneal spur-Anatomical and histological considerations. *Foot*. 2007;17(1):25-31.
64. El Shazly O, El Beltagy A. Endoscopic plantar fascia release, calcaneal drilling and calcaneal spur removal for management of painful heel syndrome. *Foot*. 2010;20(4):121-125.
65. Schwartz EN, Su J. Plantar fasciitis: a concise review. *Perm J*. 2014;18(1):e105-7.
66. Riskowski J, Dufour AB, Hannan MT. Arthritis, foot pain and shoe wear: current musculoskeletal research on feet. *Curr Opin Rheumatol*. 2011;23(2):148-155.
67. Vicenzino B, Griffiths SR, Griffiths LA, Hadley A. Effect of Antipronation Tape and Temporary Orthotic on Vertical Navicular Height Before and After Exercise. *J Orthop Sport Phys Ther*. 2000;30(6):333-339.
68. Franettovich M, Chapman A, Blanch P, Vicenzino B. A physiological and psychological basis for anti-pronation taping from a critical review of the literature. *Sport Med*. 2008;38(8):617-631.
69. Franettovich M, Blanch P, Vicenzino B. Initial Neuromotor and Postural Effects After Continual Use of Augmented Low-Dye Taping. *Athl Train Sport Heal Care*. 2011;3(1):21-28.
70. Crowell H, Milner C, Hamill J, Davis I. Reducing impact loading during running with the use of real-time visual feedback. *J Orthop Sport*. 2010; 40(4):206-13
71. Renan-Ordine R, Albuquerque-Sendín F, de Souza DPR, Cleland JA, Fernández-de-Las-Peñas C. Effectiveness of myofascial trigger point manual therapy combined with a self-stretching protocol for the management of plantar heel pain: a randomized controlled trial. *J Orthop Sports Phys Ther*. 2011;41(2):43-50.
72. Looney B, Srokose T, Fernandez-De-Las-Penas C, Cleland JA. Graston instrument soft tissue mobilization and home stretching for the management of plantar heel pain: A case series. *J Manipulative Physiol Ther*. 2011;34(2):138-142.
73. Maier M, Steinborn M, Schmitz C, et al. Extracorporeal shock wave application for chronic plantar fasciitis associated with heel spurs: Prediction of outcome by magnetic resonance imaging. *J Rheumatol*. 2000;27(10):2455-2462.
74. Cole C, Seto C, Gazewood J. Plantar fasciitis: Evidence-based review of diagnosis and therapy. *Am Fam Physician*. 2005;72(11):2237-2242.
75. Crawford F, Thomson CE. Interventions for treating plantar heel pain. *Cochrane Database Syst Rev*. 2003;3(3):CD000416.
76. McPoil TG, Martin RL, Cornwall MW, Wukich DK, Irrgang JJ, Godges JJ. Heel pain--plantar fasciitis: clinical practice guidelines linked to the international classification of function, disability, and health from the orthopaedic section of the American Physical Therapy Association. *J Orthop Sports Phys Ther*. 2008;38(4):A1-A18.
77. Powell M, Post WR, Keener J, Wearden S. Effective treatment of chronic plantar fasciitis with dorsiflexion night splints: a crossover prospective randomized outcome study. *Foot ankle Int / Am Orthop Foot Ankle Soc [and] Swiss Foot Ankle Soc*. 1998;19(1):10-18.
78. Lee WCC, Wong WY, Kung E, Leung AKL. Effectiveness of adjustable dorsiflexion night splint in combination with accommodative foot orthosis on plantar fasciitis. *J Rehabil Res Dev*. 2012;49(10):1557-1564.
79. Berlet GC, Anderson RB, Davis H, Kiebzak GM. A prospective trial of night splinting in the treatment of recalcitrant plantar fasciitis: The ankle dorsiflexion dynasplint. *Orthopedics*. 2002;25(11):1273-1275.
80. Tweed JL, Barnes MR, Allen MJ. An evaluation of the long-term effects of total plantar fasciotomy--a preliminary study. *Foot*. 2009;19(2):75-79.
81. Placzek R, Deuretzbacher G, Buttgerit F, Meiss AL. Treatment of chronic plantar fasciitis with botulinum toxin A: An open case series with a 1 year follow up. *Ann Rheum Dis*. 2005;64(11):1659-1661.
82. Logan LR, Klamar K, Leon J, et al. Autologous blood injection and botulinum toxin for resistant plantar fasciitis accompanied by spasticity. *Am J Phys Med Rehabil*. 2006;85(8):699-703.
83. Martinelli N, Marinozzi A, Carni S, Trovato U, Bianchi A, Denaro V. Platelet-rich plasma injections for chronic plantar fasciitis. *Int Orthop*. 2013;37(5):839-842.
84. Monto RR. Platelet-rich plasma and plantar fasciitis. *Sports Med Arthrosc*. 2013;21(4):220-224.
85. Jam B. Evaluation and Retraining of the Intrinsic Foot Muscles for Pain Syndromes Related to Abnormal Control of Pronation. Advanced Physical Therapy Education Institute (APTEI) Thornhill, ON, Canada July 21, 2004 Article published on www.aptei.com Clinical Library
86. Hong Y, Wang L, Li JX, Zhou JH. Comparison of plantar loads during treadmill and overground running. *J Sci Med Sport*. 2012;15(6):554-560.
87. Werner RA, Gell N, Hartigan A, Wiggerman N, Keyserling WM. Risk Factors for Plantar Fasciitis Among Assembly Plant Workers. *PM R*. 2010;2(2):110-116.
88. McMillan AM, Landorf KB, Gilheany MF, Bird AR, Morrow AD, Menz HB. Ultrasound guided corticosteroid injection for plantar fasciitis: randomised controlled trial. *BMJ*. 2012;344(21):e3260.
89. Wearing SC, Smeathers JE, Urry SR, Hennig EM, Hills AP. The pathomechanics of plantar fasciitis. *Sport Med*. 2006;36(7):585-611.

90. Grasel RP, Schweitzer ME, Kovalovich AM, et al. Original report. MR imaging of plantar fasciitis: Edema, tears, and occult marrow abnormalities correlated with outcome. *Am J Roentgenol*. 1999;173(3):699-701.
91. Acevedo JI, Beskin JL. Complications of plantar fascia rupture associated with corticosteroid injection. *Foot Ankle Int*. 1998;19(2):91-97.
92. Kim C, Cashdollar MR, Mendicino RW, Catanzariti AR, Fuge L. Incidence of Plantar Fascia Ruptures Following Corticosteroid Injection. *Foot Ankle Spec*. 2010;3(6):335-337.
93. Ang TWA. The effectiveness of corticosteroid injection in the treatment of plantar fasciitis. *Singapore Med J*. 2015;56(8):423-432.
94. Uden H, Boesch E, Kumar S. Plantar fasciitis - to jab or to support? A systematic review of the current best evidence. *J Multidiscip Healthc*. 2011;4:155-164.
95. Davis PF, Severud E, Baxter DE. Painful heel syndrome: results of nonoperative treatment. *Foot Ankle Int*. 1994;15(10):531-535.
96. Mulligan EP, Cook PG. Effect of plantar intrinsic muscle training on medial longitudinal arch morphology and dynamic function. *Man Ther*. 2013;18(5):425-430.
97. Binkley JM, Stratford PW, Lott S a, Riddle DL. The Lower Extremity Functional Scale (LEFS): Scale development, measurement properties, and clinical application. *Phys Ther*. 1999;79(4):371-383.
98. Cheung JTM, Zhang M, An KN. Effect of Achilles tendon loading on plantar fascia tension in the standing foot. *Clin Biomech*. 2006;21(2):194-203.
99. Cheng H-YK, Lin C-L, Wang H-W, Chou S-W. Finite element analysis of plantar fascia under stretch—The relative contribution of windlass mechanism and Achilles tendon force. *J Biomech*. 2008;41(9):1937-1944.
100. Sweeting D, Parish B, Hooper L, Chester R. The effectiveness of manual stretching in the treatment of plantar heel pain: a systematic review. *J Foot Ankle Res*. 2011;4(1):19.
101. Szabó G, Marcsik Á, Farkas C. Patient information and results of training program in the treatment of plantar fasciitis. *Orv Hetil*. 2010;151(17):698-701.
102. Gelber JR, Sinacore DR, Strube MJ, et al. Windlass mechanism in individuals with diabetes mellitus, peripheral neuropathy and low medial longitudinal arch height. *Foot Ankle Int*. 2015;35(8):816-824.
103. Radford JA, Burns J, Buchbinder R, Landorf KB, Cook C. Does stretching increase ankle dorsiflexion range of motion? A systematic review. *Br J Sport Med*. 2006;40:870-875.
104. Guissard N, Duchateau J. Effect of static stretch training on neural and mechanical properties of the human plantar-flexor muscles. *Muscle and Nerve*. 2004;29(2):248-255.
105. Porter D, Barrill E, Oneacre K, May BD. The effects of duration and frequency of Achilles tendon stretching on dorsiflexion and outcome in painful heel syndrome: a randomized, blinded, control study. *Foot ankle Int*. 2002;23(7):619-624.
106. Haddad M, Dridi A, Chtara M, et al. Static stretching can impair explosive performance for at least 24 hours. *J Strength Cond Res*. 2014;28:140-146.
107. Behm DG, Button DC, Butt JC. Factors affecting force loss with prolonged stretching. *Can J Appl Physiol*. 2001;26(3):261-272.
108. Behm DG, Bambury A, Cahill F, Power K. Effect of Acute Static Stretching on Force, Balance, Reaction Time, and Movement Time. *Med Sci Sport Exerc*. 2004;36(8):1397-1402.
109. Behm DG, Kibele A. Effects of differing intensities of static stretching on jump performance. *Eur J Appl Physiol*. 2007;101(5):587-594.
110. Haddad M, A D, M C, et al. Static stretching can impair explosive performance for at least 24 hours. *J Strength Cond Res*. 2014;28(1):140-146.
111. Ryan ED, Beck TW, Herda TJ, et al. The time course of musculotendinous stiffness responses following different durations of passive stretching. *J Orthop Sports Phys Ther*. 2008;38(10):632-639.
112. Konrad A, Tilp M. Effects of ballistic stretching training on the properties of human muscle and tendon structures. *J Appl Physiol*. 2014;117(1).
113. Mahieu NN, McNair P, De Muynck M, et al. Effect of static and ballistic stretching on the muscle-tendon tissue properties. *Med Sci Sports Exerc*. 2007;39(3):494-501.
114. Witvrouw E, Mahieu N, Roosen P, Mcnair P. The role of stretching in tendon injuries. *Br J Sport Med*. 2007;41:224-226.
115. Wiemann K, Hahn K. Influences of Strength, Stretching and Circulatory Exercises on Flexibility Parameters of the Human Hamstrings. *Int J Sports Med*. 1997;18(5):340-346.
116. Konrad A, Tilp M. Increased range of motion after static stretching is not due to changes in muscle and tendon structures. *Clin Biomech*. 2014;29(6):636-642.
117. Weppeler CH, Magnusson SP. Increasing muscle extensibility: a matter of increasing length or modifying sensation? *Phys Ther*. 2010;90(3):438-449.
118. Radford JA, Landorf KB, Buchbinder R, Cook C. Effectiveness of calf muscle stretching for the short-term treatment of plantar heel pain: a randomised trial. *BMC Musculoskelet Disord*. 2007;8:36.
119. Charles J, Scutter SD, Buckley J. Static ankle joint equinus: toward a standard definition and diagnosis. *J Am Podiatr Med Assoc*. 2010;100(3):195-203.
120. Orendurff MS, Rohr ES, Sangeorzan BJ, Weaver K, Czerniecki JM. An equinus deformity of the ankle accounts for only a small amount of the increased forefoot plantar pressure in patients with diabetes. *J Bone Joint Surg Br*. 2006;88(1):65-68.

121. Sobel E, Caselli MA, Velez Z. Effect of persistent toe walking on ankle equinus. Analysis of 60 idiopathic toe walkers. *J Am Podiatr Med Assoc.* 1997;87(1):17-22.
122. Konor MM, Morton S, Eckerson JM, Grindstaff TL. Reliability of three measures of ankle dorsiflexion range of motion. *Int J Sports Phys Ther.* 2012;7(3):279-287.
123. Vohralik SL, Bowen AR, Burns J, Hiller CE, Nightingale EJ. Reliability and Validity of a Smartphone App to Measure Joint Range. *Am J Phys Med Rehabil.* 2014;325-330.
124. Rabin A, Kozol Z. Measures of Range of Motion and Strength Among Healthy Women With Differing Quality of Lower Extremity Movement During the Lateral Step-Down Test. *J Orthop Sport Phys Ther.* 2010;40(12):792-800.
125. Piva SR, Fitzgerald K, Irrgang JJ, et al. Reliability of measures of impairments associated with patellofemoral pain syndrome. *BMC Musculoskelet Disord.* 2006;7(1):33.
126. Tiberio D, Bohannon RW, Zito MA. Effect of subtalar joint position on the measurement of maximum ankle dorsiflexion. *Clin Biomech.* 1989;4(3):189-191.
127. Wilken J, Rao S, Estin M, Saltzman CL, Yack HJ. A new device for assessing ankle dorsiflexion motion: reliability and validity. *J Orthop Sports Phys Ther.* 2011;41(4):274-280.
128. Calatayud J, Martin F, Gargallo P, García-Redondo J, Colado JC, Marín PJ. The validity and reliability of a new instrumented device for measuring ankle dorsiflexion range of motion. *Int J Sports Phys Ther.* 2015;10(2):197-202.
129. Pfeffer G, Bacchetti P, Deland J, et al. Comparison of custom and prefabricated orthoses in the initial treatment of proximal plantar fasciitis. *Foot Ankle Int.* 1999;20(4):214-221.
130. Herbert RD, Moseley AM, Butler JE, Gandevia SC. Change in length of relaxed muscle fascicles and tendons with knee and ankle movement in humans. *J Physiol.* 2002;539(Pt 2):637-645.
131. Cuissard N, Duchateau J, Hainaut K. Muscle stretching and motoneuron excitability. *Eur J Appl Physiol Occup Physiol.* 1988;58(1-2):47-52.
132. Škarabot J, Beardsley C, Štirn I. Comparing the effects of self-myofascial release with static stretching on ankle range-of-motion in adolescent athletes. *Int J Sports Phys Ther.* 2015;10(2):203-212.
133. Kelly S, Beardsley C. Specific and Cross-Over Effects of Foam Rolling on Ankle Dorsiflexion Range of Motion. *Int J Sports Phys Ther.* 2016;11(4):544-551.
134. Halperin I, Aboodarda SJ, Button DC, Andersen LL, Behm DG. Roller massager improves range of motion of plantar flexor muscles without subsequent decreases in force parameters. *Int J Sports Phys Ther.* 2014;9(1):92-102.
135. Macdonald GZ, Button DC, Drinkwater EJ, Behm DG. Foam rolling as a recovery tool after an intense bout of physical activity. *Med Sci Sports Exerc.* 2014;46:131-142.
136. Pearcey GEP, Bradbury-Squires DJ, Kawamoto JE, Drinkwater EJ, Behm DG, Button DC. Foam rolling for delayed-onset muscle soreness and recovery of dynamic performance measures. *J Athl Train.* 2015;50(1):5-13.
137. Jay K, Sundstrup E, Søndergaard SD, et al. Specific and cross over effects of massage for muscle soreness: randomized controlled trial. *Int J Sports Phys Ther.* 2014;9(1):82-91.
138. Takanobu O, Masuhara M, Ikuta K. Acute effects of self-myofascial release using a foam roller on arterial function. *J Strength Cond Res.* 2014;28(1):69-73.
139. Chan Y-C, Wang T-J, Chang C-C, et al. Short-term effects of self-massage combined with home exercise on pain, daily activity, and autonomic function in patients with myofascial pain dysfunction syndrome. *J Phys Ther Sci.* 2015;27(1):217-221.
140. Grieve R, Goodwin F, Alfaki M, Bourton A-J, Jeffries C, Scott H. The immediate effect of bilateral self myofascial release on the plantar surface of the feet on hamstring and lumbar spine flexibility: A pilot randomised controlled trial. *J Bodyw Mov Ther.* 2015;19(3):544-552.
141. Labovitz JM, Yu J, Kim C. The role of hamstring tightness in plantar fasciitis. *Foot Ankle Spec.* 2011;4:141-144.
142. Bolívar YA, Munuera P V, Padillo JP. Relationship between tightness of the posterior muscles of the lower limb and plantar fasciitis. *Foot Ankle Int.* 2013;34:42-48.
143. Mckeon PO, Hertel J, Bramble D, Davis I. The foot core system: a new paradigm for understanding intrinsic foot muscle function. *Br J Sports Med.* 2014:1-9.
144. Lee J-H, Cynn H-S, Yoon T-L, Choi S-A, Kang T-W. Differences in the angle of the medial longitudinal arch and muscle activity of the abductor hallucis and tibialis anterior during sitting short-foot exercises between subjects with pes planus and subjects with neutral foot. *J Back Musculoskelet Rehabil.* 2016;29(4):809-815.
145. Goo Y-M, Heo H-J, An D-H. EMG Activity of the Abductor Hallucis Muscle during Foot Arch Exercises Using Different Weight Bearing Postures. *J Phys Ther Sci.* 2014;26(10):1635-1636.
146. Huang CK, Kitaoka HB, An KN, Chao EY. Biomechanical evaluation of longitudinal arch stability. *Foot Ankle.* 1993;14:353-357.
147. Wong YS. Influence of the Abductor Hallucis Muscle on the Medial Arch of the Foot: A Kinematic and Anatomical Cadaver Study. *Foot Ankle Int.* 2007;28(5):617-620.
148. Cheung RTH, Sze LKY, Mok NW, Ng GYF. Intrinsic foot muscle volume in experienced runners with and without chronic plantar fasciitis. *Journal of Science and Medicine in Sport.* 2016;19(9):713-5.
149. Kelly L a, Cresswell AG, Racinais S, Whiteley R, Lichtwark G. Intrinsic foot muscles have the capacity to control deformation of the longitudinal arch. *J R Soc Interface.* 2014;11(93):20131188.

150. Fiolkowski P, Brunt D, Bishop M, Woo R, Horodyski M. Intrinsic pedal musculature support of the medial longitudinal arch: An electromyography study. *J Foot Ankle Surg.* 2003;42(6):327-333.
151. Headlee DL, Leonard JL, Hart JM, Ingersoll CD, Hertel J. Fatigue of the plantar intrinsic foot muscles increases navicular drop. *J Electromyogr Kinesiol.* 2008;18(3):420-425.
152. Sauer LD, Beazell J, Hertel J. Considering the Intrinsic Foot Musculature in Evaluation and Rehabilitation for Lower Extremity Injuries. *Athl Train Sport Heal Care.* 2011;3(1):43-47.
153. Jung DY, Kim MH, Koh EK, Kwon OY, Cynn HS, Lee WH. A comparison in the muscle activity of the abductor hallucis and the medial longitudinal arch angle during toe curl and short foot exercises. *Phys Ther Sport.* 2011;12(1):30-35.
154. Lynn SK, Padilla R a, Tsang KKW. Differences in static- and dynamic-balance task performance after 4 weeks of intrinsic-foot-muscle training: the short-foot exercise versus the towel-curl exercise. *J Sport Rehabil.* 2012;21(4):327-333.
155. Gooding TM, Feger MA, Hart JM, Hertel J. Intrinsic Foot Muscle Activation During Specific Exercises: A T2 Time Magnetic Resonance Imaging Study. *J Athl Train.* 2016;51(8):644-650.
156. Andreasen J, Mølgaard CM, Christensen M, et al. Exercise therapy and custom-made insoles are effective in patients with excessive pronation and chronic foot pain--a randomized controlled trial. *Foot (Edinb).* 2013;23(1):22-28.
157. Kelly LA, Kuitunen S, Racinais S, Cresswell AG. Recruitment of the plantar intrinsic foot muscles with increasing postural demand. *Clin Biomech.* 2012;27(1):46-51.
158. Jull G, Trott P, Potter H, et al. A Randomized Controlled Trial of Exercise and Manipulative Therapy for Cervicogenic Headache. *Spine (Phila Pa 1976).* 2002;27(17):1835-43
159. O'Sullivan PB. Evaluation of Specific Stabilizing Exercise in the Treatment of Chronic Low Back Pain With Radiologic Diagnosis of Spondylolysis or Spondylolisthesis. *Spine (Phila Pa 1976).* 1997;22(24):2959-2967.
160. Hreljac A, Marshall RN, Hume PA. Evaluation of lower extremity overuse injury potential in runners. *Med Sci Sport Exerc.* 2000;32(9):1635-1641.
161. Williams DS, McClay IS, Hamill J. Arch structure and injury patterns in runners. *Clin Biomech.* 2001;16(4):341-347.
162. Spink MJ, Fotoohabadi MR, Menz HB. Foot and ankle strength assessment using hand-held dynamometry: Reliability and age-related differences. *Gerontology.* 2010;56(6):525-532.
163. Hashimoto T, Sakuraba K. Strength training for the intrinsic flexor muscles of the foot: effects on muscle strength, the foot arch, and dynamic parameters before and after the training. *J Phys Ther Sci.* 2014;26(3):373-376.
164. Nistor L, Markhede G, Grimby G. A technique for measurements of plantar flexion torque with the Cybex II dynamometer. *Scand J Rehabil Med.* 1982;14(4):163-166.
165. Hashimoto T, Sakuraba K. Assessment of Effective Ankle Joint Positioning in Strength Training for Intrinsic Foot Flexor Muscles: A Comparison of Intrinsic Foot Flexor Muscle Activity in a Position Intermediate to Plantar and Dorsiflexion with that in Maximum Plantar Flexion Using. *J Phys Ther Sci.* 2014;3(26):451-454.
166. Allen RH, Gross MT. Toe flexors strength and passive extension range of motion of the first metatarsophalangeal joint in individuals with plantar fasciitis. *J Orthop Sports Phys Ther.* 2003;33(8):468-478.
167. Goldmann J-P, Brüggemann G-P. The potential of human toe flexor muscles to produce force. *J Anat.* 2012;221(2):187-194.
168. Kaminski TW, Wabbersen C V., Murphy RM. Concentric versus enhanced eccentric hamstring strength training: Clinical implications. *J Athl Train.* 1998;33:216-221.
169. Fitzgerald GK, Rothstein JM, Mayhew TP, Lamb RL. Exercise-Induced Muscle Soreness after Concentric and Eccentric Isokinetic Contractions. *Phys Ther.* 1997;1(7):505-13
170. Colliander EB, Tesch PA. Effects of eccentric and concentric muscle actions in resistance training. *Acta Physiol Scand.* 1990;140:31-39.
171. Purkayastha S, Cramer JT, Trowbridge CA, Fincher AL, Marek SM. Surface electromyographic amplitude-to-work ratios during isokinetic and isotonic muscle actions. *J Athl Train.* 2006;41:314-320.
172. Gleeson N, Eston R, Marginson V, McHugh M. Effects of prior concentric training on eccentric exercise induced muscle damage. *Br J Sports Med.* 2003;37(2):119-125; discussion 125.
173. Parr JJ, Yarrow JF, Garbo CM, Borsa PA. Symptomatic and functional responses to concentric-eccentric isokinetic versus eccentric-only isotonic exercise. *J Athl Train.* 2009;44:462-468.
174. Clarkson PM, Hubal MJ. Exercise-induced muscle damage in humans. *Am J Phys Med Rehabil.* 2002;81:S52-S69.
175. Rathleff MS, Mølgaard CM, Fredberg U, et al. High-load strength training improves outcome in patients with plantar fasciitis: A randomized controlled trial with 12-month follow-up. *Scand J Med Sci Sports.* 2015;25(3):e292-e300.
176. Carlson RE, Fleming LL, Hutton WC. The Biomechanical Relationship Between The Tendoachilles, Plantar Fascia and Metatarsophalangeal Joint Dorsiflexion Angle. *Foot Ankle Int.* 2000;21(1):18-25.
177. Langberg H, Ellingsgaard H, Madsen T, et al. Eccentric rehabilitation exercise increases peritendinous type I collagen synthesis in humans with Achilles tendinosis. *Scand J Med Sci Sport.* 2007;17(1):61-66.

178. Fredberg U, Stengaard-Pedersen K. Chronic tendinopathy tissue pathology, pain mechanisms, and etiology with a special focus on inflammation: Review. *Scand J Med Sci Sport*. 2008;18(1):3-15.
179. Nguyen AD, Shultz SJ, Schmitz RJ, Luecht RM, Perrin DH. A preliminary multifactorial approach describing the relationships among lower extremity Alignment, hip muscle activation, and lower extremity joint excursion. *J Athl Train*. 2011;46(3):246-256.
180. Souza TR, Pinto RZ, Trede RG, Kirkwood RN, Fonseca ST. Temporal couplings between rearfoot-shank complex and hip joint during walking. *Clin Biomech*. 2010;25(7):745-748.
181. Santos B Dos, Corrêa LA, Teixeira Santos L, Filho NAM, Lemos T, Nogueira LAC. Combination of Hip Strengthening and Manipulative Therapy for the Treatment of Plantar Fasciitis: A Case Report. *J Chiropr Med*. 2016;15(4):310-313.
182. Lewis CL, Sahrmann SA. Muscle activation and movement patterns during prone hip extension exercise in women. *J Athl Train*. 2009;44(3):238-248.
183. Sakamoto ACL, Teixeira-Salmela LF, Rodrigues De Paula F, Guimarães CQ, Faria CDCM. Gluteus maximus and semitendinosus activation during active prone hip extension exercises. *Rev Bras Fisioter*. 2009;13(4):335-342.
184. Goo Y-M, Kim T-H, Lim J-Y. The effects of gluteus maximus and abductor hallucis strengthening exercises for four weeks on navicular drop and lower extremity muscle activity during gait with flatfoot. *J Phys Ther Sci*. 2016;28(3):911-915.
185. Goo Y-M, Kim D-Y, Kim T-H. The effects of hip external rotator exercises and toe-spread exercises on lower extremity muscle activities during stair-walking in subjects with pronated foot. *J Phys Ther Sci*. 2016;28(3):816-819.
186. Nyland J, Kuzemchek S, Parks M, Caborn DNM. Femoral anteversion influences vastus medialis and gluteus medius EMG amplitude: Composite hip abductor EMG amplitude ratios during isometric combined hip abduction-external rotation. *J Electromyogr Kinesiol*. 2004;14(2):255-261.
187. Newell T, Simon J, Docherty CL. Arch-Taping Techniques for Altering Navicular Height and Plantar Pressures During Activity. *J Athl Train*. 2015;50(8):825-832.
188. Lange B, Chipchase L, Evans A. The effect of low-Dye taping on plantar pressures, during gait, in subjects with navicular drop exceeding 10 mm. *J Orthop Sports Phys Ther*. 2004;34(4):201-209.
189. Picciano AM, Rowlands MS, Worrell T. Reliability of open and closed kinetic chain subtalar joint neutral positions and navicular drop test. *J Orthop Sports Phys Ther*. 1993;18(4):553-558.
190. Bennett JE, Reinking MF, Pluemer B, Pentel A, Seaton M, Killian C. Factors contributing to the development of medial tibial stress syndrome in high school runners. *J Orthop Sports Phys Ther*. 2001;31(9):504-510.
191. Sell KE, Verity TM, Worrell TW, Pease BJ, Wigglesworth J. Two measurement techniques for assessing subtalar joint position: a reliability study. *J Orthop Sports Phys Ther*. 1994;19(3):162-167.
192. Mueller MJ, Host J V, Norton BJ. Navicular drop as a composite measure of excessive pronation. *J Am Podiatr Med Assoc*. 1993;83:198-202.
193. Allen MK, Glasoe WM. Metrecom Measurement of Navicular Drop in Subjects with Anterior Cruciate Ligament Injury. *J Athl Train*. 2000;35(4):403-406.
194. Nielsen RG, Rathleff MS, Simonsen OH, Langberg H. Determination of normal values for navicular drop during walking: a new model correcting for foot length and gender. *J Foot Ankle Res*. 2009;2(1):12.