

REFERENCES:

Plantar Fasciitis: The Evidence for Evaluation and Conservative Management

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1. 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 Aug;33(8):468-78.
2. Amis J, Jennings L, Graham D, Graham CE. Painful heel syndrome: radiographic and treatment assessment. *Foot Ankle.* 1988 Oct;9(2):91-5.
3. Atkins D, Crawford F, Edwards J, Lambert M. A systematic review of treatments for the painful heel. *Rheumatology.* 1999; 38:968-973.
4. Barry LD, Barry AN, Chen Y. A retrospective study of standing gastrocnemius-soleus stretching vs. night splinting in the treatment of plantar fasciitis. *J Foot Ankle Surg.* 2002 Jul-Aug; 41(4):221-27.
5. Batt ME, Tanji JL, Skattum N. Plantar fasciitis: a prospective randomized clinical trial of the tension night splint. *Clin J Sport Med.* 1996 Jul;6(3):158-62.
6. Basford JR, Malanga GA, Krause DA, Harmsen WS. A randomized controlled evaluation of low-intensity laser therapy: plantar fasciitis. *Arch Phys Med Rehabil.* 1998 Mar; 79(3):249-54.
7. Baxter DE, Thigpen CM. Heel pain--operative results. *Foot Ankle.* 1984 Jul-Aug;5(1):16-25.
8. Berlet GC, Anderson RB, Davis H, Kiezbak GM. A prospective trial of night splinting in the treatment of recalcitrant plantar fasciitis: the Ankle Dorsiflexion Dynasplint. *Orthopedics.* 2002 Nov;25(11):1273-5.
9. Bolgla LA, Malone TR. Plantar Fasciitis and the Windlass Mechanism: A Biomechanical Link to Clinical Practice. *J Athl Train.* 2004 Jan;39(1):77-82.
10. Buchbinder R. Clinical practice. Plantar fasciitis. *N Engl J Med.* 2004 May 20;350(21):2159-66.
11. Cole C, Seto C, Gazewood J. Plantar fasciitis: evidence-based review of diagnosis and therapy. *Am Fam Physician.* 2005 Dec 1;72(11):2237-42.
12. Cornwall MW, McPoil TG. Plantar fasciitis: etiology and treatment. *J Orthop Sports Phys Ther.* 1999 Dec;29(12):756-60.
13. Crawford F. Plantar heel pain and fasciitis. *Clin Evid.* 2003 Dec;(10):1431-43. Update in: *Clin Evid.* 2004 Jun;(11):1589-602. Update in: *Clin Evid.* 2005 Jun;(13):1533-45.
14. Crawford F, Snaith M. How effective is therapeutic ultrasound in the treatment of heel pain? *Ann Rheum Dis.* 1996 Apr;55(4):265-7.
15. Creighton DS, Olson VL: Evaluation of range of motion of the first metatarsophalangeal joint in runners with plantar fasciitis. *J Orthop Sports Phys Ther* 1987; 8:357-361.
16. DeGarcia D, Dean D, Requejo SM, Thordarson DB. The association between diagnosis of plantar fasciitis and Windlass test results.
17. Digiovanni BF, Nawoczenski DA, Malay DP, Graci PA, Williams TT, Wilding GE, Baumhauer JF. 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 Aug;88(8):1775-81.
18. Digiovanni BF, Nawoczenski DA, Malay DP, Graci PA, Williams TT, Wilding GE, Baumhauer JF. Plantar fascia-specific stretching exercise improves outcomes in patients with chronic plantar fasciitis. *J Bone Joint Surg* 2006; 88A(8):1775-1781.
19. Gross MT, Byers JM, Krafft JL, Lackey EJ, Melton KM. The impact of custom semirigid orthotics on pain and disability for individuals with plantar fasciitis. *J Orthop Sports Phys Ther.* 2002 Apr; 32(4):149-57.
20. Hyland MR, Webber-Gaffney A, Cohen L, Lichtman PT. Randomized controlled trial of calcaneal taping, sham taping, and plantar fascia stretching for the short-term management of plantar heel pain. *J Orthop Sports Phys Ther.* 2006 Jun;36(6):364-71.
21. Irving DB, Cook JL, Menz HB. Factors associated with chronic plantar heel pain: a systematic review. *J Sci Med Sport.* 2006 May;9(1-2):11-22; discussion 23-4.
22. Japour CJ, Vohra R, Vohra PK, Garfunkel L, Chin N. Management of heel pain syndrome with acetic acid iontophoresis. *J Am Podiatr Med Assoc.* 1999 May;89(5):251-7.
23. Kibler WB, Goldberg C, Chandler TJ. Functional biomechanical deficits in running athletes with plantar fasciitis. *Am J Sports Med.* 1991 Jan-Feb;19(1):66-71

25. Landorf KB, Keenan AM, Herbert RD. Effectiveness of foot orthoses to treat plantar fasciitis: a randomized trial. *Arch Intern Med.* 2006 Jun 26;166(12):1305-10
26. Landorf KB, Radford JA, Keenan AM, Redmond AC. Effectiveness of low-Dye taping for the short-term Management of plantar fasciitis. *J Am Podiatr Med Assoc.* 2005 Nov-Dec;95(6):525-30.
27. Landorf KB, Keenan AM, Herbert RD. Effectiveness of different types of foot orthoses for the treatment of plantar fasciitis. *J Am Podiatr Med Assoc.* 2004 Nov-Dec;94(6):542-9.
28. Lapidus PW, Guidotti FP. Painful heel: report of 323 patients with 364 heels. *Clin Orthop Relat Res.* 1965 Mar-Apr;39:178-86.
29. Lemont H, Ammirati KM, Usen N. Plantar fasciitis: a degenerative process (fasciosis) without inflammation. *J Am Podiatr Med Assoc.* 2003 May-Jun; 93(3):234-37.
30. Lynch DM, Goforth WP, Martin JE, Odom RD, Preecs CK, Kotter MW. Conservative treatment of plantar fasciitis: A prospective review. *J Am Podiatr Med Assoc.* 1998 Aug; 88(8):375-80.
31. Martin RL, Irrgang JJ, Conti SF. Outcome study of subjects with insertional plantar fasciitis. *Foot Ankle Int.* 1998 Dec;19(12):803-11.
32. Moshirfar A, Campbell JT, Khasraghi FA, WenZ JF. Evaluating the quality of internet-derived information on plantar fasciitis. *Clin Orthop Relat Res.* 2004; 421:60-63.
33. Osborne HR, Allison GT. Treatment of plantar fasciitis by LowDye taping and iontophoresis: short term results of a double blinded, randomised, placebo controlled clinical trial of dexamethasone and acetic acid. *Br J Sports Med.* 2006 Jun;40(6):545-9; discussion 549.
34. Pfeffer G, Bacchetti P, Deland J, Lewis A, Anderson R, Davis W, Alvarez R, Brodsky J, Cooper P, Frey C, Herrick R, Myerson M, Sammarco J, Janecki C, Ross S, Bowman M, Smith R. Comparison of custom and prefabricated orthoses in the initial treatment of proximal plantar fasciitis. *Foot Ankle Int.* 1999 Apr; 20(4):214-21.
35. Placzek R, Deuretzbacher G, Buttgereit 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 Nov;64(11):1659-61.
36. Probe RA, Baca M, Adams R, Preece C. Night splint treatment for plantar fasciitis. A prospective randomized study. *Clin Orthop Relat Res.* 1999 Nov; (368):190-95.
37. Porter D, Barrill E, Onearcre 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 Jul; 23(7):619-24.
38. Powell M, Post WR, Keener J, Wearden S. Effective treatment of chronic plantar fasciitis with dorsiflexion splints: a crossover prospective randomized outcome study. *Foot Ankle Int.* 1998 Jan; 19(1):10-18.
39. Radford JA, Landorf KB, Buchbinder R, Cook C. Effectiveness of low-Dye taping for the short-term treatment of plantar heel pain: a randomised trial. *BMC Musculoskelet Disord.* 2006 Aug 9;7:64.
40. Radford JA, Landorf KB, Buchbinder R, Cook C. Effectiveness of calf muscle stretching for the short-term treatment of plantar heel pain: a randomised tria. *BMC Musculoskeletal Disorders* 2007, **8**:36 doi:10.1186/1471-2474-8-36
41. Rano JA, Fallat LM, Savoy-Moore RT. Correlation of heel pain with body mass index and other characteristics of heel pain. *J Foot Ankle Surg.* 2001 Nov-Dec;40(6):351-6.
42. Riddle DL, Pulisic M, Sparrow K. Impact of demographic and impairment-related variables on disability associated with plantar fasciitis. *Foot Ankle Int.* 2004 May; 25(5):311-17.
43. Riddle DL, Pulisic M, Pidcoe P, Johnson RE. Risk factors for plantar fasciitis: A matched-case control study. *J Bone Joint Surg.* 2003 85A; (5):872-877.
44. Roos E, Engstrom M, Soderberg B. Foot orthoses for the treatment of plantar fasciitis. *Foot Ankle Int.* 2006 Aug;27(8):606-11.
45. Roxas M. Plantar fasciitis: diagnosis and therapeutic considerations. *Altern Med Rev.* 2005 Jun;10(2):83-93.
46. Seligman D, Dawson DR. Customized heel pads and soft orthotics to treat heel pain and plantar fasciitis. *Arch Phys Med Rehabil.* 2003; 84:1564-67.
47. 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. *Orthop Sports Phys Ther.* 2004 Jul; 34(7):368-76.
48. Stuber K, Kristmanson K. Conservative therapy for plantar fasciitis: a narrow review of randomized controlled trials. *J Can Chiropr Assoc* 2006; 50(2):118-133.
49. Tinley P, Bridahl W, Will R. Study supports plantar fasciitis orthotic relief. *Biomechanics.* 2007 14:51-57.

50. Wapner KL, Sharkey PF. The use of night splints for treatment of recalcitrant plantar fasciitis. *Foot Ankle*. 1991 Dec;12(3):135-7
51. Warren BL. Anatomical factors associated with predicting plantar fasciitis in long-distance runners. *Med Sci Sports Exerc*. 1984;16(1):60-3
52. Winemiller MH, Billow RG, Laskowski ER, Harmsen WS. Effect of magnetic vs. sham-magnetic insoles on plantar heel pain. *JAMA*. 2003; 290(11):1474-1478.
53. Wolgin M, Cook C, Graham C, Mauldin D. Conservative treatment of plantar pain: long-term follow-up. *Foot Ankle Int*. 1994 Mar; 15(3):97-102.
54. Young B, Walker MJ, Strunce J, Boyles R. A combined treatment approach emphasizing impairment-based manual physical therapy for plantar heel pain: a case series. *J Orthop Sports Phys Ther*. 2004 Nov;34(11):725-33.
55. Young C, Rutherford DS, Neidfeldt MW. Treatment of plantar fasciitis. *Am Family Physician*. 2001; 63:467-74, 477-8
56. Younger A. Customized or prefabricated foot orthoses improved function only in the short term in patients with plantar fasciitis. *J Bone Joint Surg Am*. 2007 Feb;89(2):458.