

## **Curriculum Vitae**

### **Personal details**

Name: Hans (Johannes) Zwerver  
Date of birth: September 3, 1967

### **Current position**

Head of section of Sport & Exercise Medicine at the University Medical Center Groningen, The Netherlands

### **Academic degrees**

Professor of Sport & Exercise Medicine. June 2017. University Medical Center Groningen, The Netherlands

Doctor of Philosophy (PhD). December 2010. University Medical Center Groningen, The Netherlands

Sport & Exercise Medicine Physician. May 2000. Canisus Wilhelmina Hospital Nijmegen, The Netherlands

Doctor of Medicine (MD). May 1994. Radboud University Nijmegen, The Netherlands

### **Previous experience of organizing meetings**

Member of the Scientific/Organizing committee of the Annual Meeting of the Dutch Sport Medicine Association - since 2011

Chair/member of the Organizing committee of the Annual Groningen Sports Medicine Symposium (together with the Wenckebach Institute) - since 2003

Chair/organizer of symposium 'Patellar tendinopathy' - 2016

Chair/organizer scientific symposium 'Patellar tendinopathy' for the Dutch Sports Medicine Association -2010

### **Short description of his/her interest and accomplishments in the tendinopathy research field**

Hans Zwerver successfully defended his thesis in 2010 on 'Prevalence, ESWT treatment and Evaluation of Patellar Tendinopathy', which revealed that patellar tendinopathy also is a common problem in recreational athletes. Part of his thesis was a nationwide multicenter RCT called the TOPGAME study, which demonstrated that ESWT (compared to placebo ESWT) was not an effective treatment in athletes with patellar tendinopathy who continued to play basketball, volleyball and handball.

Hans Zwerver is principal investigator in a research line on tendinopathy and has supervised several (PhD) students in different projects related to tendon. Together with his coworkers he has published several studies on the etiology, prevention, diagnosis and treatment of (patellar) tendinopathy. Hans Zwerver has been invited to speak and presented at several (inter)national tendon and sports medicine meetings (IOC, ACSM, ISTS, ECOSEP, VSG) and contributed to a book on metabolic disease and tendon disorders. Hans Zwerver is currently supervisor of five PhD students who are doing research in the field of tendons.

1. Load and Tendinopathy
2. Achilles tendons in Runners
3. Rehabilitation after Achilles Tendon Ruptures
4. Exercise, Advanced Glycation Endproducts and Tendinopathy
5. Management of Plantar Fasciopathy

Besides his research activities Hans Zwerver also works as a clinician at the tendinopathy clinic of the center for sport and exercise medicine.

### **List of publications**

#### **International publications**

1. Zwerver J, Waugh C, van der Worp H, Scott A. Can Shockwave Therapy Improve Tendon Metabolism? *Adv Exp Med Biol.* 2016;920:275-81. doi: 10.1007/978-3-319-33943-6\_26. PubMed PMID: 27535269.
2. Rees J, Gaida JE, Silbernagel KG, Zwerver J, Anthony JS, Scott A. Rehabilitation of Tendon Problems in Patients with Diabetes Mellitus. *Adv Exp Med Biol.* 2016;920:199-208. doi: 10.1007/978-3-319-33943-6\_19. PubMed PMID: 27535262.
3. Rio E, van Ark M, Docking S, Moseley GL, Kidgell D, Gaida JE, van den Akker-Scheek I, Zwerver J, Cook J. Isometric Contractions Are More Analgesic Than Isotonic Contractions for Patellar Tendon Pain: An In-Season Randomized Clinical Trial. *Clin J Sport Med.* 2016 Aug 10. [Epub ahead of print] PubMed PMID: 27513733.
4. Thijs KM, Zwerver J, Backx FJ, Steeneken V, Rayer S, Groenenboom P, Moen MH. Effectiveness of Shockwave Treatment Combined With Eccentric Training for Patellar Tendinopathy: A Double-Blinded Randomized Study. *Clin J Sport Med.* 2016 Jun 22. [Epub ahead of print] PubMed PMID: 27347857.
5. Groot HE, van der Worp H, Nijenbanning L, Diercks RL, Zwerver J, van den Akker-Scheek I. Is proprioception diminished in patients with patellar tendinopathy? *Gait Posture.* 2016 Mar;45:224-8. doi: 10.1016/j.gaitpost.2016.02.010. PubMed PMID: 26979910.
6. Albers IS, Zwerver J, Diercks RL, Dekker JH, Van den Akker-Scheek I. Incidence and prevalence of lower extremity tendinopathy in a Dutch general practice population: a cross sectional study. *BMC Musculoskeletal Disord.* 2016 Jan 13;17(1):16. doi: 10.1186/s12891-016-0885-2. PubMed PMID: 26759254; PubMed Central PMCID: PMC4711046.
7. van Ark M, Cook JL, Docking SI, Zwerver J, Gaida JE, van den Akker-Scheek I, Rio E. Do isometric and isotonic exercise programs reduce pain in athletes with patellar tendinopathy in-season? A randomised clinical trial. *J Sci Med Sport.* 2015 Dec 7. pii: S1440-2440(15)00231-5. doi: 10.1016/j.jsams.2015.11.006. [Epub ahead of print] PubMed PMID: 26707957.
8. van der Worp H, van der Does HT, Brink MS, Zwerver J, Hijmans JM. Prospective Study of the Relation between Landing Biomechanics and Jumper's Knee. *Int J Sports Med.* 2015 Dec 23. [Epub ahead of print] PubMed PMID: 26701825.
9. de Vries A, Zwerver J, Diercks R, Tak I, van Berkel S, van Cingel R, van der Worp H, van den Akker-Scheek I. Effect of patellar strap and sports tape on pain in patellar tendinopathy: A randomized controlled trial. *Scand J Med Sci Sports.* 2015 Sep 17. doi: 10.1111/sms.12556. [Epub ahead of print] PubMed PMID: 26376953.
10. de Vries AJ, van den Akker-Scheek I, Diercks RL, Zwerver J, van der Worp H. The effect of a patellar strap on knee joint proprioception in healthy participants and athletes with patellar tendinopathy. *J Sci Med Sport.* 2015 May 14. pii: S1440-2440(15)00098-5. doi: 10.1016/j.jsams.2015.04.016. [Epub ahead of print] PubMed PMID: 26021817.
11. Peters JA, Zwerver J, Diercks RL, Elferink-Gemser MT, van den Akker-Scheek I. Preventive interventions for tendinopathy: A systematic review. *J Sci Med Sport.* 2015 Apr 1. pii: S1440-2440(15)00080-8. doi: 10.1016/j.jsams.2015.03.008. [Epub ahead of print] Review. PubMed PMID: 25981200.
12. van Ark M, Docking SI, van den Akker-Scheek I, Rudavsky A, Rio E, Zwerver J, Cook JL. Does the adolescent patellar tendon respond to 5 days of cumulative load during a volleyball tournament? *Scand J Med Sci Sports.* 2015 Feb 18. doi: 10.1111/sms.12426. [Epub ahead of print] PubMed PMID: 25694241.
13. Scott A, Zwerver J, Grewal N, de Sa A, Alktebi T, Granville DJ, Hart DA. Lipids, adiposity and tendinopathy: is there a mechanistic link? Critical review. *Br J Sports Med.* 2014 Dec 8. pii: bjsports-2014-093989. doi:10.1136/bjsports-2014-093989. [Epub ahead of print] PubMed PMID: 25488953.

14. van Ark M, Zwerver J, Diercks RL, van den Akker-Scheek I. Cross-cultural adaptation and reliability and validity of the Dutch Patient-Rated Tennis Elbow Evaluation (PRTEE-D). *BMC Musculoskelet Disord*. 2014 Aug 11;15:270. doi: 10.1186/1471-2474-15-270. PubMed PMID: 25112272; PubMed Central PMCID: PMC4243580.
15. de Vries AJ, van der Worp H, Diercks RL, van den Akker-Scheek I, Zwerver J. Risk factors for patellar tendinopathy in volleyball and basketball players: A survey-based prospective cohort study. *Scand J Med Sci Sports*. 2014 Aug 5. doi: 10.1111/sms.12294. [Epub ahead of print] PubMed PMID: 25091500.
16. Sobhani S, Zwerver J, van den Heuvel E, Postema K, Dekker R, Hijmans JM. Rocker shoes reduce Achilles tendon load in running and walking in patients with chronic Achilles tendinopathy. *J Sci Med Sport*. 2015 Mar;18(2):133-8. doi: 10.1016/j.jsams.2014.02.008. Epub 2014 Feb 14. PubMed PMID: 24636129.
17. van der Worp H, de Poel HJ, Diercks RL, van den Akker-Scheek I, Zwerver J. Jumper's knee or lander's knee? A systematic review of the relation between jump biomechanics and patellar tendinopathy. *Int J Sports Med*. 2014 Jul;35(8):714-22. doi: 10.1055/s-0033-1358674. Epub 2014 Feb 27. Review. PubMed PMID: 24577862.
18. de Vries AJ, van den Akker-Scheek I, Diercks RL, Zwerver J, van der Worp H. Effect of patellar strap and sports tape on jumper's knee symptoms: protocol of a randomised controlled trial. *J Physiother*. 2013 Dec;59(4):270; discussion 270. doi: 10.1016/S1836-9553(13)70204-2. PubMed PMID: 24287222.
19. Kregel J, van Wilgen CP, Zwerver J. Pain assessment in patellar tendinopathy using pain pressure threshold algometry: an observational study. *Pain Med*. 2013 Nov;14(11):1769-75. doi: 10.1111/pme.12178. Epub 2013 Jun 26. PubMed PMID:23802873.
20. Sobhani S, Hijmans J, van den Heuvel E, Zwerver J, Dekker R, Postema K. Biomechanics of slow running and walking with a rocker shoe. *Gait Posture*. 2013 Sep;38(4):998-1004. doi: 10.1016/j.gaitpost.2013.05.008. Epub 2013 Jun 14. PubMed PMID: 23770233.
21. van der Worp H, Zwerver J, Hamstra M, van den Akker-Scheek I, Diercks RL. No difference in effectiveness between focused and radial shockwave therapy for treating patellar tendinopathy: a randomized controlled trial. *Knee Surg Sports Traumatol Arthrosc*. 2014 Sep;22(9):2026-32. doi: 10.1007/s00167-013-2522-z. Epub 2013 May 12. PubMed PMID: 23666379.
22. Scott A, Docking S, Vicenzino B, Alfredson H, Murphy RJ, Carr AJ, Zwerver J, Lundgreen K, Finlay O, Pollock N, Cook JL, Fearon A, Purdam CR, Hoens A, Rees JD, Goetz TJ, Danielson P. Sports and exercise-related tendinopathies: a review of selected topical issues by participants of the second International Scientific Tendinopathy Symposium (ISTS) Vancouver 2012. *Br J Sports Med*. 2013 Jun;47(9):536-44. doi: 10.1136/bjsports-2013-092329. Epub 2013 Apr 12. Erratum in: *Br J Sports Med*. 2013 Aug;47(12):774. Murphy, Richard J [added]; Carr, Andrew J [added]. PubMed PMID: 23584762; PubMed Central PMCID: PMC3664390.
23. Zwerver J, Weir A, Tol JL. What's app? sports medicine physicians should not talk double Dutch. *Br J Sports Med*. 2012 Sep;46(12):833-4. PubMed PMID: 23130364.
24. Lohrer H, Nauck T, Schöll J, Zwerver J, Malliaropoulos N. [Extracorporeal shock wave therapy for patients suffering from recalcitrant Osgood-Schlatter disease]. *Sportverletz Sportschaden*. 2012 Dec;26(4):218-22. doi: 10.1055/s-0032-1325478. Epub 2012 Oct 9. German. PubMed PMID: 23047459.
25. van Ark M, van den Akker-Scheek I, Meijer LT, Zwerver J. An exercise-based physical therapy program for patients with patellar tendinopathy after platelet-rich plasma injection. *Phys Ther Sport*. 2013 May;14(2):124-30. doi: 10.1016/j.ptsp.2012.05.002. Epub 2012 Sep 23. PubMed PMID: 23010772.
26. Steunebrink M, Zwerver J, Brandsema R, Groenenboom P, van den Akker-Scheek I, Weir A. Topical glyceryl trinitrate treatment of chronic patellar tendinopathy: a randomised, double-blind, placebo-controlled clinical trial. *Br J Sports Med*. 2013 Jan;47(1):34-9. doi: 10.1136/bjsports-2012-091115. Epub 2012 Aug 28. PubMed PMID: 22930695; PubMed Central PMCID: PMC3533384.

27. van der Worp H, van den Akker-Scheek I, van Schie H, Zwerver J. ESWT for tendinopathy: technology and clinical implications. *Knee Surg Sports Traumatol Arthrosc.* 2013 Jun;21(6):1451-8. doi: 10.1007/s00167-012-2009-3. Epub 2012 May 1. Review. PubMed PMID: 22547246; PubMed Central PMCID: PMC3657080.
28. van Wilgen CP, Konopka KH, Keizer D, Zwerver J, Dekker R. Do patients with chronic patellar tendinopathy have an altered somatosensory profile? A Quantitative Sensory Testing (QST) study. *Scand J Med Sci Sports.* 2013 Mar;23(2):149-55. doi: 10.1111/j.1600-0838.2011.01375.x. Epub 2011 Sep 13. PubMed PMID: 22092832.
29. van der Worp H, Zwerver J, van den Akker-Scheek I, Diercks RL. The TOPSHOCK study: effectiveness of radial shockwave therapy compared to focused shockwave therapy for treating patellar tendinopathy - design of a randomised controlled trial. *BMC Musculoskelet Disord.* 2011 Oct 11;12:229. doi: 10.1186/1471-2474-12-229. PubMed PMID: 21989041; PubMed Central PMCID:PMC3212818.
30. Kuchenbecker WK, Groen H, van Asselt SJ, Bolster JH, Zwerver J, Slart RH, Vd Jagt EJ, Muller Kobold AC, Wolffenbittel BH, Land JA, Hoek A. In women with polycystic ovary syndrome and obesity, loss of intra-abdominal fat is associated with resumption of ovulation. *Hum Reprod.* 2011 Sep;26(9):2505-12. doi: 10.1093/humrep/der229. Epub 2011 Jul 18. PubMed PMID: 21771766.
31. Zwerver J, Bredeweg SW, van den Akker-Scheek I. Prevalence of Jumper's knee among nonelite athletes from different sports: a cross-sectional survey. *Am J Sports Med.* 2011 Sep;39(9):1984-8. doi: 10.1177/0363546511413370. Epub 2011 Jul 7. PubMed PMID: 21737835.
32. van Wilgen P, van der Noord R, Zwerver J. Feasibility and reliability of pain pressure threshold measurements in patellar tendinopathy. *J Sci Med Sport.* 2011 Nov;14(6):477-81. doi: 10.1016/j.jsams.2011.05.004. Epub 2011 Jun 12. PubMed PMID: 21669552.
33. Häggglund M, Zwerver J, Ekstrand J. Epidemiology of patellar tendinopathy in elite male soccer players. *Am J Sports Med.* 2011 Sep;39(9):1906-11. doi: 10.1177/0363546511408877. Epub 2011 Jun 3. PubMed PMID: 21642599.
34. van Ark M, Zwerver J, van den Akker-Scheek I. Injection treatments for patellar tendinopathy. *Br J Sports Med.* 2011 Oct;45(13):1068-76. doi: 10.1136/bjism.2010.078824. Epub 2011 May 3. Review. PubMed PMID: 21543346.
35. van der Worp H, van Ark M, Zwerver J, van den Akker-Scheek I. Risk factors for patellar tendinopathy in basketball and volleyball players: a cross-sectional study. *Scand J Med Sci Sports.* 2012 Dec;22(6):783-90. doi:10.1111/j.1600-0838.2011.01308.x. Epub 2011 Apr 18. PubMed PMID: 21496108.
36. van der Worp H, van Ark M, Roerink S, Pepping GJ, van den Akker-Scheek I, Zwerver J. Risk factors for patellar tendinopathy: a systematic review of the literature. *Br J Sports Med.* 2011 Apr;45(5):446-52. doi: 10.1136/bjism.2011.084079. Epub 2011 Mar 2. Review. PubMed PMID: 21367808.
37. Zwerver J, Hartgens F, Verhagen E, van der Worp H, van den Akker-Scheek I, Diercks RL. No effect of extracorporeal shockwave therapy on patellar tendinopathy in jumping athletes during the competitive season: a randomized clinical trial. *Am J Sports Med.* 2011 Jun;39(6):1191-9. doi: 10.1177/0363546510395492. Epub 2011 Feb 1. PubMed PMID: 21285447.
38. van der Worp H, Zwerver J, Kuijer PP, Frings-Dresen MH, van den Akker-Scheek I. The impact of physically demanding work of basketball and volleyball players on the risk for patellar tendinopathy and on work limitations. *J Back Musculoskelet Rehabil.* 2011;24(1):49-55. doi: 10.3233/BMR-2011-0274. PubMed PMID: 21248400.
39. Zwerver J, Dekker F, Pepping GJ. Patient guided Piezo-electric Extracorporeal Shockwave Therapy as

treatment for chronic severe patellar tendinopathy: A pilot study. *J Back Musculoskelet Rehabil.* 2010;23(3):111-5. doi: 10.3233/BMR-2010-0257. PubMed PMID: 20858940.

40. Brink MS, Visscher C, Arends S, Zwerver J, Post WJ, Lemmink KA. Monitoring stress and recovery: new insights for the prevention of injuries and illnesses in elite youth soccer players. *Br J Sports Med.* 2010 Sep;44(11):809-15. doi: 10.1136/bjism.2009.069476. Epub 2010 May 29. PubMed PMID: 20511621.
41. Zwerver J, Verhagen E, Hartgens F, van den Akker-Scheek I, Diercks RL. The TOPGAME-study: effectiveness of extracorporeal shockwave therapy in jumping athletes with patellar tendinopathy. Design of a randomised controlled trial. *BMC Musculoskelet Disord.* 2010 Feb 8;11:28. doi: 10.1186/1471-2474-11-28. PubMed PMID: 20144188; PubMed Central PMCID: PMC2831826.
42. Zwerver J, Kramer T, van den Akker-Scheek I. Validity and reliability of the Dutch translation of the VISA-P questionnaire for patellar tendinopathy. *BMC Musculoskelet Disord.* 2009 Aug 11;10:102. doi: 10.1186/1471-2474-10-102. PubMed PMID: 19671174; PubMed Central PMCID: PMC2734752.
43. Zwerver J. [Patellar tendinopathy ('jumper's knee'); a common and difficult-to-treat sports injury]. *Ned Tijdschr Geneeskd.* 2008 Aug 16;152(33):1831-7. Review. Dutch. PubMed PMID: 18783161.
44. Zwerver J, Bessem B, Buist I, Diercks RL. [The value of preventive advice and examination focusing on cardiovascular events and injury for novice runners]. *Ned Tijdschr Geneeskd.* 2008 Aug 16;152(33):1825-30. Review. Dutch. PubMed PMID: 18783160.
45. van Leeuwen MT, Zwerver J, van den Akker-Scheek I. Extracorporeal shockwave therapy for patellar tendinopathy: a review of the literature. *Br J Sports Med.* 2009 Mar;43(3):163-8. doi: 10.1136/bjism.2008.050740. Epub 2008 Aug 21. Review. PubMed PMID: 18718975.
46. Bisseling RW, Hof AL, Bredeweg SW, Zwerver J, Mulder T. Are the take-off and landing phase dynamics of the volleyball spike jump related to patellar tendinopathy? *Br J Sports Med.* 2008 Jun;42(6):483-9. doi: 10.1136/bjism.2007.044057. Epub 2008 Apr 2. PubMed PMID: 18385187.
47. Nederhof E, Zwerver J, Brink M, Meeusen R, Lemmink K. Different diagnostic tools in nonfunctional overreaching. *Int J Sports Med.* 2008 Jul;29(7):590-7. Epub 2007 Nov 30. PubMed PMID: 18050061.
48. Nederhof E, Lemmink K, Zwerver J, Mulder T. The effect of high load training on psychomotor speed. *Int J Sports Med.* 2007 Jul;28(7):595-601. Epub 2007 Mar 20. PubMed PMID: 17373595.
49. Buist I, Bredeweg SW, Lemmink KA, Pepping GJ, Zwerver J, van Mechelen W, Diercks RL. The GRONORUN study: is a graded training program for novice runners effective in preventing running related injuries? Design of a Randomized Controlled Trial. *BMC Musculoskelet Disord.* 2007 Mar 2;8:24. PubMed PMID: 17331264; PubMed Central PMCID: PMC1821023.
50. Zwerver J, Bredeweg SW, Hof AL. Biomechanical analysis of the single-leg decline squat. *Br J Sports Med.* 2007 Apr;41(4):264-8; discussion 268. Epub 2007 Jan 15. PubMed PMID: 17224441; PubMed Central PMCID: PMC2658963.
51. Bisseling RW, Hof AL, Bredeweg SW, Zwerver J, Mulder T. Relationship between landing strategy and patellar tendinopathy in volleyball. *Br J Sports Med.* 2007 Jul;41(7):e8. Epub 2007 Jan 15. PubMed PMID: 17224437; PubMed Central PMCID: PMC2465350.
52. Zwerver J, Rieu PN, Koopman RJ, Spauwen PH, Buskens FG, Boetes C, Veth RP, van Oostrom CG. Vascular malformations: a review of 10 years' management in a university hospital. *Pediatr Surg Int.* 1996 Jun;11(5-6):296-300. doi: 10.1007/BF00497796. PubMed PMID: 24057699.

## **Dutch publications**

1. van der Worp H, van den Akker-Scheek I, Zwerver J. Diversiteit in Extracorporele schokgolftherapie voor patellatendinopathie in Nederland: Resultaten van een survey onder behandelaars. Sport & Geneeskunde 2011;44(3):28-31.
2. van der Worp H, van den Akker-Scheek I, van Schie H, Zwerver J. Extracorporale Shockwave Therapie bij tendinopathie: Een literatuuroverzicht van techniek, werkingsmechanismen en protocollen. Sport & Geneeskunde 2011;44(2):6-13.
3. Zwerver J. Patellar tendinopathy ('jumper's knee'); a common and difficult-to-treat sports injury. Ned Tijdschr Geneeskunde 2008 Aug 16;152(33):1831-1837.
4. Zwerver J, Bessem B, Buist I, Diercks RL. The value of preventive advice and examination focusing on cardiovascular events and injury for novice runners. Ned Tijdschr Geneeskunde 2008 Aug 16;152(33):1825-1830.
5. Nederhof E, Lemmink KA, Zwerver J, Meeusen R. Reaction time as a possible marker for overtraining syndrome. Geneeskunde en Sport. 2006;39:230-3.
6. de Greef M, Zwerver H, Boers E, De Boer E, Vestering M. The validity of personal activity monitor (PAM) acceleration meters to measure physical activity of overweight women. Geneeskunde & Sport 2004; 37(3):71-74.
7. Zwerver J, Folgering HTM. The reproducibility of hand-held dynamometry in patients with lung function disorders. Geneeskunde & Sport 2000; 33(4):23-30.
8. Zwerver J, Heere LP. The hamstring syndrome and other peripheral causes of sciatica. Geneeskunde & Sport 1999; 32(2):5-8.
9. Ellis ML, Zwerver J. Is een afneembaar spicaverband na elke primaire totale heuparthroplastiek zinvol? Ned Tijdschr Orthop. 1998;5:14-7.

### **Books**

1. '50 jaar Sportgeneeskunde; van hobby naar beroep, van beroep naar medisch specialisme'; A Brok, J Zwerver. ARKO Sportsmedia 2015. ISBN 978-9-054-72347-9.
2. Nuclear Medicine and Radiologic Imaging in Sports Injuries. Editors: A.W.J.M. Glaudemans, R.A.J.O. Dierckx, J. L.M.A. Gielen, J. Zwerver. Springer 2015. ISBN: 978-3-662-46490-8.
3. Patellar tendinopathy: prevalence, ESWT treatment and evaluation. J. Zwerver. Dissertation University of Groningen, the Netherlands – With ref. – With summary in Dutch ISBN: 978-90-367-4610-6. Groningen 2010.

### **E-learningmodule**

1. Zwerver J. Jumper's knee – Interactive case history. BMJ E-learning in association with the British Journal of Sports Medicine. Website BMJ 2012. [http://learning.bmj.com/learning/module-intro/.html?locale=en\\_GB&moduleId=10036989](http://learning.bmj.com/learning/module-intro/.html?locale=en_GB&moduleId=10036989)

## **Bookchapters**

1. Scott A, Silbernagel K, Anthony J, Zwerver J, Gaida J, Rees J. Rehabilitation of tendon problems in patients with diabetes mellitus. In *Metabolic Influences on Risk for Tendon Disorders*. Editors Ackermann, Hart. Springer 2016. ISBN 978-3-319-33943-6. p 199-208.
2. Zwerver J, Waugh C, van der Worp H, Scott A. Can shockwave therapy improve tendon metabolism? In *Metabolic Influences on Risk for Tendon Disorders*. Editors Ackermann, Hart. Springer 2016. ISBN 978-3-319-33943-6. p 275-282.
3. Zwerver J. Overbelastingsblessures. In *Leerboek Sportgeneeskunde*. Editors: Diercks, Pluim, Verhagen. Bohn Stafleu van Loghum. 2016. ISBN 978-9-036-81098-2. 137-146.
4. de Vries J, Zwerver J. Sportletsels bij het onvolgroeide skelet. In *Leerboek Sportgeneeskunde*. Editors: Diercks, Pluim, Verhagen. Bohn Stafleu van Loghum. 2016. ISBN 978-9-036-81098-2. p 129-136.
5. Zwerver J. Sports Medicine and Imaging In: *Nuclear Medicine and Radiologic Imaging in Sports Injuries*. Editors: A.W.J.M. Glaudemans, R.A.J.O. Dierckx, J. L.M.A. Gielen, J. Zwerver. Springer 2015. Springer 2015. ISBN: 978-3-662-46490-8. p 3-8.
6. Zwerver J. Sports Injuries. In: *Nuclear Medicine and Radiologic Imaging in Sports Injuries*. Editors: A.W.J.M. Glaudemans, R.A.J.O. Dierckx, J. L.M.A. Gielen, J. Zwerver. Springer 2015. Springer 2015. ISBN: 978-3-662-46490-8. p 49-67.
7. J. W. M. Van Goethem, M. Faure, C. Venstermans, L. van den Hauwe, F. De Belder, P. M. Parizel, J. Zwerver. Spine Injuries. In: *Nuclear Medicine and Radiologic Imaging in Sports Injuries*. Editors: A.W.J.M. Glaudemans, R.A.J.O. Dierckx, J. L.M.A. Gielen, J. Zwerver. Springer 2015. ISBN: 978-3-662-46490-8. p 183-201.
8. Zwerver J. Behandeling van Tendinopathie; Platelet Rich Plasma (PRP) of niet? In Zahavi BAA, Martina JD, Geertzen JHB, editors. *Cursusboek Postgraduate course revalidatiegeneeskunde*. Afdeling Revalidatiegeneeskunde, Centrum voor Revalidatie UMCG 2013. ISBN 978-9-074-76851-1.

9. Zwerver J, Slagers AJ. Diagnostiek en behandeling van de jumper's knee. In Geraets JJXR, Nieuwboer A, Nijs J, Veenhof C, van Wilgen CP, editors, Jaarboek Fysiotherapie/Kinesitherapie 2009. Houten: Bohn Stafleu Van Loghum. 2009. ISBN 978-9-031-36032-1. p 72-87.
10. Zwerver J. Epidemiologie van sportletsels. In Geertzen JHB, Martina JD, Zahavi BAA, editors, Cursusboek Postgraduate course revalidatiegeneeskunde. Afdeling Revalidatiegeneeskunde, Centrum voor Revalidatie UMCG 2009. ISBN 978-9-074-76841-2. p 36-41.
11. Zwerver J. Inspanningstolerantie tijdens sporten door gehandicapten. In Geertzen JHB, Martina JD, Zahavi BAA, editors, Cursusboek Postgraduate course revalidatiegeneeskunde. Afdeling Revalidatiegeneeskunde, Centrum voor Revalidatie UMCG 2009. ISBN 978-9-074-76841-2. p 45-46.
12. Zwerver J. Sporttraining en oefentherapie: overeenkomsten?. In Geertzen JHB, Martina JD, Zahavi BAA, editors, Cursusboek Postgraduate course revalidatiegeneeskunde. Afdeling Revalidatiegeneeskunde, Centrum voor Revalidatie UMCG 2009. ISBN 978-9-074-76841-2. p 47-51.
13. Zwerver H. Revalidatie van de jumper's knee: een praktische leidraad voor de behandeling van deze blessure. In Nijs J, van Wilgen CP, editors, Als pijn chronisch wordt. Antwerpen: Standaard Uitgeverij. 2009. ISBN 978-9-034-19306-3. p 137-157.
14. Zwerver J, Slagers AJ. Patellaire tendinopathie. In Dekker, Takken, Witvrouw, editors, Fysiotherapeutische Casuïstiek. Bohn Stafleu Van Loghum. 2005. ISBN 978-90-313-8645-1. p 1375-1383.
15. Zwerver J, Witteveen AGH, van Dijk CN. "Sinus Tarsi syndroom" bij een profvoetballer. In van Heerwaarden RJ, Heijboer MP, editors, Sporttraumatologische Casuïstiek. GVO drukkers & vormgevers B.V. | Ponsen & Looijen 2000. ISBN 978-9-064-64820-5.