

## Curriculum Vitae – Fredrik Nyquist

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Namn	Fredrik Nyquist
Födelsedag	19 maj, 1956
Kön	Man
Address	Ortopedkliniken, SUS, Malmö, SE-205 02, Malmö.
arbetstelefon	+46 40 336319
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Nationalitet	Svensk
Familj	Hustru: Eva. Barn: Caroline, Gustav, Oscar födda 1987, 1989, 1993
Kvalifikationer	Läkarexamen (University Medical Degree) Lunds Universitet, Sverige, Juni 13, 1983
	Bevis om legitimation (Licence to practice). Socialstyrelsen, Sverige, Maj 02, 1986
Specialistkompetenser	Bevis om specialistkompetens som läkare (Orthopedic surgery) – Socialstyrelsen, April 19, 1990.
	Bevis om specialiskompetens som läkare (General Surgery) – Socialstyrelsen, November 05, 1991.
	Medicine Doktor. (Med. Fak. Lunds Universitet), April 03, 1998. “The influence of alcohol on bone metabolism and fracturehealing”
	Docent i ortopedi vid Lunds universitet. Associated professor in Orthopaedic surgery at University of Lund, Sweden. April 04, 2006.
Memberships of learned societies	Orthopaedic Research Society
Professionell erfarenhet	Underläkare Halmstad Lasarett, Augusti 01, 1984 – Maj 02, 1986
	Utbildningsläkare, ortopedk/kirurg/anestesikliniken, Halmstad Lasarett, Maj 03, 1986 – April 19, 1990.
	Specialist Ortopedkliniken, Halmstad Lasarett, April 20, 1990 – November 04, 1990.
	Specialist handkirurgiska kliniken, Malmö, November 05, 1990 – Juni 09, 1991.
	Överläkare, Department of General Hospital of Ängelholm, Sweden, June 10, 1991 – September 14, 1992.
Nuvarande position	Överläkare. Ortopedkliniken SUS Malmö sedan september 15, 1992.
Administrativa uppgifter	Ansvarig för idrotts- och artroskopisektionen, Ortopedkliniken SUS Malmö

Ordf. Svenska handbollsmedicinska föreningen 2000 – 2009.

Ansvarig för medicinstudenters ortopedplacering två terminer 1996-97.

Ansvarig för Centrum för Idrott och Hälsa (CIH) på ortopedkliniken, SUS, Malmö

Refereuppdrag för följande tidskrifter

Alcohol & Alcoholism, Scandinavia Journal of Sports Medicine.

Publications

#### **A. Original articles (peer review)**

##### **1. Long-term abstinence seems to normalize the bone mineral density in alcoholics.**

Nyquist F, Berglund M, Frank A, Obrant KJ.  
Eur J Exp Musculoskel Res 1995;4:101-104.

##### **2. Biochemical markers of bone metabolism after short and long time ethanol withdrawal in alcoholics**

Nyquist F, Ljunghall S, Berglund M, Obrant K.  
Bone 1996;19(1):51-54.

##### **3. Nature and healing of tibial shaft fractures in alcohol abusers.**

Nyquist F, Berglund M, Nilsson BE, Obrant KJ.  
Alcohol & Alcoholism 1997;32(1):91-95.

##### **4. Osteopenia in alcoholics after tibia shaft fractures.**

Nyquist F, Karlsson MK, Obrant KJ, Nilsson J-Å.  
Alcohol & Alcoholism 1997;32(5):599-604

##### **5. Arthroscopic posterior cruciate ligament reconstruction using four-strand hamstring tendon graft and interference screws.**

Pinczewski L, Thuresson P, Otto D, Nyquist F.  
The Journal of Arthroscopic and Related Surgery Vol 13, No 5, 1997.

##### **6. Assessment of sex hormones and bone mineral density in relation to the occurrence of fracture in men - A prospective population-based study.**

Nyquist F, Gärdsell P, Sernbo I, Jeppsson J O, Johnell O.  
Bone. 1998;22(2):147-151.

##### **7. Alcohol abuse and healing complications after cervical hip fractures.**

Nyquist F, Overgaard A, Düppe H, Obrant KJ.  
Alcohol and Alcoholism. 1998;33 (4):373-380.

##### **8. Bone graft fixation in anterior cruciate ligament reconstruction evaluated by roentgen stereophotogrammetry.**

Thuresson P, Nyquist F, Önsten I.  
Scand J Med Science in Sports. 1998;8:456-460.

##### **9. Ethanol and its effects on fracture healing and bone mass in male rats.**

Nyquist F, Halvorsen V, Madsen JE, Nordsletten L, Obrant KJ. Acta Orthop. 1999;70(2):212-216.

**10. Inappropriate reduced bone density in athletes with medial tibial stress syndrome.** Magnusson H, Westlin N, Nyquist F, Gärdsell P, Karlsson .

American Journal of Sports Medicine 2001;29(6): 712-715.

**11. Effects of alcohol on bone mineral and mechanical properties of bone in male rats.**

Nyquist F, et al. Alcohol and alcohol 2002; 37:1: 21-24.

**12. Low regional tibial bone density in athletes with medial tibial stress syndrome normalizes after recovery from symptoms.**

Magnusson H, Ahlborg H, Karlsson C, Nyquist F, Karlsson M. Am J Sports Med 2003; 31 (4): 596-600.

**13. Fractures of the radial head and neck treated with radial head excision.**

Herbertsson P, Josefsson P O, Hasserijs R, Besjakov J, Nyquist F, Karlsson M. J Bone Joint Surg (Am) 2004; 86-(9): 1925-1930.

**14. Bone loss and fracture risk after reduced physical activity.**

Gustavsson A, Karlsson C, Nyquist F, Olsson T, Nordström P, Karlsson M. Journal of Bone and Mineral Research 2005;20(2): 202-207.

**15. Rapid loss of bone mineral density with reduced training in women.**

Valdimarsson Ö, Düppe H, Nyquist F, Karlsson M. Journal of bone and mineral research 2005; 20:6: 906-912.

**16. Cartilage GAG loss in the acute phase after an anterior cruciate ligament injury assessed by dGEMRIC and synovial fluid analysis.**

Tiderius C J, Olsson L E, Nyquist F, Dahlbeg L. Arthritis and Rheumatism 2005;52(1):120-127.

**17. Reduced training is associated with increased loss of bone mineral density.** Valdimarsson Ö, Ahlborg H, Düppe H, Nyquist F, Karlsson K M.

Journal of Bone and Mineral Research. Online publication 19 Jan. 2005.

**18. Association between findings on delayed gadolinium-enhanced magnetic resonance imaging of cartilage and future knee osteoarthritis.**

Owman H, Tiderius CJ, Neuman P, Nyquist F, Dahlberg LE. Arthritis Rheum. June;58(6): 1727-30.

**19. Mason Type IV fractures of the radial head and neck – a 14 – 25 year follow-up**

Herbertsson P, Hasserijs R, Besjakov J, Nyquist F, Josefsson P O, Karlsson M. *Journal of Bone and joint surgery* 2009;91:11:1499-1504.

**20. Former male elite athletes have lower incidence of fragility**

**fractures than expected.** Tveit M, Rosengren BE, Nyquist F, Nilsson JÅ, Karlsson MK. Med Sci Sports Exerc. 2013 Mar;45(3): 405-10.

**21. Comparison of groin pain in male and female soccer players.**

Dahan R, Giza E, Magnusson H, Karlsson M, Nyquist F. *Journal of Sports Med Phys Fitness* 2014;54:1-2.

**22. Soccer and Gender Effect of Groin Pain.**

Karlsson MK, Dahan R, Magnusson H, Nyquist F, Rosengren BE. *Deutsche Zeitschrift Für Sportmedizin* 2014;65;2;16-19.

**23. Groin pain is more common in soccer players than controls.**

Giza E, Dahan R, Westlin N, Karlsson M, Nyquist F. *Submitted.*

**24. Exercise during growth and young adulthood is associated with increased risk of hip- and knee arthritis and joint surgery.**

Knebel R, Ahlborg H, Nyquist F, Karlsson C, Karlsson M. *Submitted.*

**B. Review Articles (peer review).**

**1. Physical exercise during youth reduce the fracture risk in elderly.**

Karlsson M, Nyquist F, Karlsson C. *The Swedish Journal of Sports Medicine* 2002;4: 10-11.

**2. Exercise during youth reduce fracture rate in old ages.**

Karlsson M, Nyquist F, Karlsson C. *The Danish Journal of Sports Medicine* 2003; 1:10-11.

**3. Exercise increase muscle strength, balance and decrease the fall frequency.**

Karlsson M, Nyquist F, Karlsson C. *The Swedish Journal of Sports Medicine* 2003; 1: 4-9.

**4. Physical training increase bone mass in growing children and reduce the bone loss in elderly.**

Karlsson M, Nyquist F, Karlsson C. *The Swedish Journal of Sports Medicine* 2003; 1: 10-15.

**5. The burden of fractures can be reduced by physical activity.**

Karlsson M, Nyquist F, Karlsson C. *The Swedish Journal of Sports Medicine* 2003;1: 16-20.

**6. AAOS a summery report.** Nyquist F, Karlsson M. *The Swedish orthopaedic magazine.* 2012:2.

**7. AAOS a summery report.** Rosengren B, Nyquist F, Hasserius R, Cöster M, Karlsson M. *The Swedish orthopaedic magazine.* 2013;2:20-23.

**8. AAOS summery report.** Karlsson M, Nyquist F, Rosengren B, Cöster M.

*The Swedish orthopaedic magazine* 2014;1;18-24

**C. Research Publications for Professionals**

**1. Diagnostics and treatment of acute pancreatitis.**

Andrén-Sandberg Å, Nyquist F. *MEDA, Sweden,* 1994.

**2. General practicans ABC.**

*Scandinavian Press* 1994.

**3. Groin pain is more common in soccer players than in controls.**

Dahan R, Nyquist F, Karlsson M, Westlin N, Magnusson H, Ekberg O, Thorsson O. *The Swedish Journal of Sports Medicine* 2002;4: 15-17.

#### **D. Abstracts (peer review).**

**1. Bone graft fixation in anterior cruciate ligament reconstruction evaluated by roentgen stereophotogrammetry.**

Nyquist F, Thuresson P, Önsten I.

Combined Congress of International Arthroscopy Association and International Association of the Knee, HongKong 1995.

**2. Contrast-enhanced MRI in cartilage repair.**

Tiderius CJ, Dahlberg L, Olsson LE, Nyquist F. American Orthopedic Research Society, Anaheim USA, 1997.

**3. Bone mineral density (BMD) in athletes with medial tibial stress syndrome (MTSS).**

Magnusson H, Westlin N, Nyquist F, Gärdsell P, Karlsson M. American Academy of Orthopaedic Surgeons (AAOS), Anaheim, USA, Febr 1999.

**4. Bone mineral density (BMD) in athletes with medial tibial stress syndrome (MTSS).**

Magnusson H, Westlin N, Nyquist F, Gärdsell P, Karlssno M. Annual Meeting of the Swedish Sport Medicine Society, Östersund, 2003.

**5. Exercise during Growth and Young Adulthood is followed by Fewer Fractures in Spite of Increased Bone Loss after Exercise Career.**

Gustafsson A, Giza E, Nordström P, Asplund K, Olsson T, Nyquist F, Karlsson C, Karlsson M. Journal of Bone and Mineral Research 2002; 17 suppl 1:397.

**6. Exercise during Growth and Young Adulthood is Associated with Reduced Fracture Risk in Old Ages.**

Karlsson M, Ahlborg H, Obrant K, Lindberg H, Nyquist F, Karlsson C. Journal of Bone and Mineral Research 2002; 17 suppl 1: 297.

**7. Exercise in Men during Growth May Prevent Fragility Fractures.**

Karlsson M, Ahlborg H, Lindberg H, Nyquist F, Karlsson C. The Swedish Orthopaedic Society, Borås, Okt 2002.

**8. Increased Bone Loss follow Cessation of Exercise Career, but in Spite of this have Former Athletes reduced Fracture Risk Compared to Controls.**

Karlsson M, Gustavsson A, Giza E, Nordström P, Nyquist F, Karlsson C. The Swedish Orthopaedic Society, Borås, Okt 2002.

**9. Exercise on a High Level during Adolescence is Associated with Increased Risk of Hip- and Knee Arthritis and Joint Replacement Surgery.**

Knebel R, Ahlborg H, Lindberg H, Nyquist F, Karlsson C, Karlsson M. The Swedish Orthopaedic Society, Borås, Okt 2002.

**10. Primary and delayed excision of the radial had following a fracture – a 11-33 year follow-up in 61 cases.**

Herbertsson P, Besjakov J, Hasserius R, Josefsson PO, Nyquist F, Karlsson M. The Annual Meeting of the Swedish Sport Medicine Society, Östersund, April 2003.

**11. High peak bone mass associated with physical may result ni fewer fragility fractures in elderly men.**

Gustavsson A, Nyquist F, Karlsson C, Olsson T, Nordström P, Karlsson M. ASBMR 25<sup>th</sup> Annual Meeting, USA, Sept 2003.

**12. The dislocated elbow with a fracture of the radial head or neck – a long term follow-up.**

Herbertsson P, Josefsson PO, Hasserijs R, Nyquist F, Besjakov J, Karlsson M. 7<sup>th</sup> Scandinavian Congress on Medicine and Science in Sports, Stockholm, March 2004.

**13. Mason Type IV Fractures of the Elbows – a long-term follow-up.**

Herbertsson P, Josefsson PO, Hasserijs H, Besjakov J, Nyquist F, Karlsson M. Swedish Orthopaedic Society, Gävle, Aug 2004.

**14. Early and delayed excision of the radial head. Following a fracture - a mean 18 year follow-up.** 71<sup>st</sup> AAOS, San Francisco, CA, USA, March 2004.

**15. Early and late excision of caput radii after fracture a 11 – 33 year follow-up in 61 cases.** Swedish Orthopaedic Society, Halmstad, Sweden, 2008.

**16. Mosaic plastic surgery in patients with osteochondritis dissecans.**

Ragnarsson C, Neuman P, Nyquist F, Muller G, Ringsberg K, Dahlberg L. Research Society, SanFrancisco 2012.

**E. Moderator and talks**

**1. Blood lactate levels and physical and endurance after alcohol intake.** Nyquist F, Andrén-Sandberg Å. Swedish Sports Medicine Society, Stockholm, 1984.

**2. Diagnostics in acute pancreatiatis.**

Nyquist F, Andrén-Sandberg Å. Swedish General Surgery Society, Stockholm, 1985.

**3. Acute pancreatics and diagnostic procedure.**

Nyquist F, Andrén-Sandberg Å. Swedish Society of General Surgery, Borås, 1986.

**4. Incidence of injuries in team handball, Lund.**

Nyquist F, Andrén-Sandberg Å. The Swedish Ortopeadic Society, Stockholm, 1998.

**5. Injuries in team handball, National Team of Sweden.**

Nyquist F, Wahlström L, Johansson B. The Swedish Orthopaedic Society, Stockholm, 1990.

**6. Knee-injuries in sports.**

Nyquist F. Conference in Sports Medicine, Helsingborg, 1994.

**7. Knee-injuries in sports.**

Nyquist F. Conference in Sports Medicine, Malmö, 1996.

**8. Injuries in team handball.**

Nyquist F. Sports Medicine and Handball Conference, Kumamoto, Japan, 1997.

**9. Ultra wave frequency treatment of stressfractures in lower extremity.**

Nyquist F, Westlin N, Thorsson O, Magnusson H. The Swedish Orthopaedic Society, Visby, 1996.

**10. Treatment of shoulder injuries.**

Nyquist F, Dahlberg I. Swedish Sports Medicine Society, Stockholm, Bosön, 1998.

**11. Radiofrequency treatment of stressfractures.**

Nyquist F, Magnusson H, Westlin N, Thorsson O. Annual Meeting of Swedish Sports Medicine Society, Ystad, 1999.

**12. Contrast- and enhanced MRI in cartilage repair.**

Tiderius CJ, Dahlberg L, Olsson LE, Nyquist F. American Orthopaedic Research Society, Anaheim USA, Febr, 1999.

**13. Contrast- and enhanced MRI in cartilage repair.**

Tiderius CJ, Dahlberg L, Olsson LE, Nyquist F. International Cartilage Repair Society, Gothenburg, 2000.

**14. Follow up of anterior cruciatum injuries in Malmö, SDS, Oct. 2000.**

**15. Management of posterior cruciate ligament injuries, Malmö Nov. 2002.**

**16. Sports medicine, Orthopaedic Forum, Riksgränsen, April 2003.**

**17. OA from start to revision, osteotomy, transplantation etc. Malmö, May 2003**

**18. Sports Olympic camp, Athens, Greece Oct 2003.**

**19. Course in Sports Medicine, St.Barth, Nov. 2003.**

**20. Sports Medicine in team handball, Halmstad, Dec. 2003.**

**21. Course in management of knee injuries, Ängelholm, March 2004.**

**22. State of Art in Nordic Arthroscopy, Asker, Norway, Sept. 2005.**

**23. Acute knee injuries, Malmö, Sweden, Nov. 2005.**

**24. Indication of MRI in a primary care unit, Malmö, Sweden, Feb. 2006.**

**25. Reconstruction of the ACL, meniscus injuries and cartilage injuries. Naples, USA, April 2006.**

**26. Indication for arthroscopy in OA, Lund, Sweden, Aug. 2006.**

**27. Radiology of the knee, Inst. Of Clinical Research, Malmö, Sweden, Oct. 2006.**

**28. OA from birth to death, Malmö, Sweden, Oct. 2006.**

**29. Complex knee instability, Ängelholm, Sweden, March 2007.**

- 30. Management of injuries in Team handball**, Kumamoto, Japan, May 2007.
- 31. Management of knee injuries**, Trelleborg, Sweden, Aug. 2007.
- 32. Management of ACL injuries**, Stockholm, Sweden, Sept. 2007.
- 33. Management of knee injuries**, Berlin, Germany, May 2008.
- 34. Management of multi ligament injuries**, Swedish Orthopaedic Society, Halmstad, Sweden, Sept. 2008.
- 35. World Village of Women Sports summit**. Malmö, Sweden, Jan, 2009.
- 36. Management of knee injuries**. Lycksele, Sweden, Jan. 2009.
- 37. Management of anterior cruciatum injuries**. Malmö, Sweden, March 2009.
- 38. Sports medicine at an Olympic level**. Budkaveln. Trelleborg, Sweden, Sept. 2009.
- 39. Prevention and treatment of Sports Injuries**, Master course, Lund, Sweden, Feb. 2010.
- 40. Medical care in sports medicine**. MIA. Malmö, Sweden, March 2010.
- 41. ACL reconstruction**. Malmö, Sweden, Dec. 2010.
- 42. MPFL reconstruction**. ArthroMunchen, Munchen, Germany, May 2011.
- 43. Sports injuries in children**. Malmö, Sweden, May 2011.
- 44. Forum for youth sports medicine**. Malmö, Sweden, Oct. 2011.
- 45. 100 years with orthopaedic surgery in Malmö**. Malmö, Sweden, Sept. 2011.
- 46. Lecture in sports medicine**. Tunaskolan. Lund, Sweden, Feb. 2012.
- 47. Reconstruction of MPFL**. Sports Medicine.WWWS. Malmö, Sweden, June, 2012.
- 48. Reconstruction of MPFL**. ArthroLondon. London, UK, Sept. 2012.
- 49. Management of posterior cruciatum ligament injuries**. S&N Surgical Skill Centre, York, UK, Oct. 2012.
- 50. OA – meniscus injuries**. Lund, Sweden, May 2013.
- 51. Management of sports injuries**. Ystad Saltsjöbad, Sweden, Sept. 2013.
- 52. Management of posterior cruciatum injuries**. S&N surgical skill centre, YORK, UK, Oct. 2013.

- 53. Management of sports injuries in children.**  
Speciality course.  
Malmö, April 2014.
- 54. Management of OA in the knee.**  
Symposia.  
Lund April 2014.
- 55. Anatomic ACL reconstruction and osteotomies.**  
Sports medicine symposia – physiotherapy. Malmö May 2014.
- 56. Yearly engaged as speaker in stage 1 and 2 courses in Sports Medicine, Swedish Society of Sports Medicine.**
- 57. Yearly engaged as speaker in Specialist courses in Children Orthopaedics, University Hospital, Malmö, Sweden.**
- 58. Yearly engaged as speaker in Specialist courses in Foot surgery, University Hospital, Malmö Sweden.**
- 59. Engaged as speaker – Department of Physiotherapy, University Hospital of Lund, Sweden.**
- 60. Frequently engaged as speaker by SISU and SkåneIdrott, Sweden.**
- 61. Management of posterior cruciatum injuries.** S&N surgical skill centre, YORK, UK, April 2015.
- 62. Antrolateral Ligament Expert Meeting,** Swedish delegate, Lyon, France Dec. 2015..
- 63. Tutor at surgical skill centre in Munich,** Germany, Dec. 2015.
- 64. Tutor, knee injury, Lund,** April, 2016.
- 65. Engaged as speaker, knee trauma,** Malmö, Sweden, Nov. 2016.
- 66. Dissertation board, University of Lund, Ulf Sigurdsson,** Lund, Nov, 2016.
- 67. Management of knee injuries, University Hospital of Skane,** April 2017.
- 68. Dissertation board, University of Lund,** F. Svensson, Sept. 2017.
- 69. Management of knee injuries and osteoarthritis,** Hospital of Trelleborg, Nov. 2017.
- 70. Management of knee injuries – arthroscopy,** University Hospital of Skane, Nov. 2018.

Research supervisor

Physiotherapist Ulrika Rietz and Lynn Steer – Anterior cruciate reconstruction – comparing PTB grafting (miniarthrotomy) and the Broström-Brückner technique, 1999.

	<p>Physiotherapist Simon Bakkioui – ACL-reconstruction with PTB and hamstring tendons – a consecutive study, 2000 and 2002.</p> <p>Physiotherapist Rickard Dahan – Thesis – groin pain in athletes, ongoing.</p>
Yearly research supervisor for medical students in their FÖS-project	<p>In the FÖS-project, Lund University and the University of Copenhagen.</p> <p>Adviser in the KANON-study. Richard Frobell. 2001.</p> <p>Examiner – revision of anterior cruciatum ligament reconstruction, Ola Svejme, Malmö, Sweden, May 2005.</p> <p>An evaluation of anterior cruciate reconstructions through the patient’s perspective. A short time follow-up, supervisor for this project. Lund, Sweden, 2007.</p> <p>An evaluation of ACL reconstructions in Lund during 2006, supervisor for this project, Lund, Sweden, 2008.</p> <p>Is it possible to predict the outcome of an anterior cruciate ligament injury? Ioannis Kostogianis. Member of the grade committee. Lund, Sweden, Oct. 2010.</p>
Current research	<p>Connected to different project under supervision of Associated Professor Magnus Karlsson – physical activity and bone metabolism. Groin pain.</p> <p>Connected to different project under supervision of Associated Professor Leif Dahlberg – osteoarthritis, physical activity and gadolinium - enhanced MRI of cartilage.</p> <p>Research projects dealing with caput radii fractures, fracture healing etc.</p>
Et cetera	<p>Head physician for the Swedish National Team in Team Handball, since 1984.</p> <p>Team physician for the Swedish Olympic Team, Barcelona 1992, Atlanta 1996 and Sidney 2000.</p> <p>Reference physician for the Swedish Olympic Team since 1992....</p> <p>Team physician for the Swedish Davis Cup Team in tennis during the final in 1998.</p> <p>Head of medical care at Brosjukhuset. Malmö, Sweden, June 2000.</p> <p>Advisory board in ACL surgery. Rom, Italy, April, 2002.</p> <p>Team physician for the Malmö Redhawks – Swedish elite series in Ice hockey since 2004.</p> <p>Reference team physician for the Swedish National Track- and Fields Team and the National Golf Team.</p> <p>Reference physician for MIA (Malmö Idrotts Akademi) since 2009 –</p> <p>Supervisor for English nurses in Sweden – study course, Malmö, Sweden, March 2009.</p>

Head of medical care at “Centrum för Idrott och Hälsa” (CIH) since 2009.

Participant in the “Proluma-project”. Lund/Malmö, 2009.

2018-12-15