Annual Report 2008
Research Initiative for Physical Therapy
Forskningsinitiativet for Fysioterapi (FiF)

Introduction

Staff
- Professor Ewa Roos
- Associate professor (lektor) Hans Lund, 50 per cent
- Secretary Jette Tromborg, 20 per cent

During 2008 the following persons have been employed:
- Professor Karen Søgaard, from 1 March
- PhD-student Jonas Bloch Thorlund, from 1 February.

During 2009, another 2 PhD students will be formally accepted.

Research collaboration
During 2008 the FiF members had active research collaboration with the following persons/countries:

Denmark
SDU (University of Southern Denmark)
- Per Aagaard, Jan Hartvigsen, Kirsten Kaya Roessler, Gisela Sjøgaard.
OUH (Odense University Hospital)
- Søren Overgaard
- Robin Christensen, Henning Bliddal, Bente Danneskiold-Samsøe, Marius Henriksen and Else Marie Bartels, The Parker Institute, Frederiksberg
KU (Bente R. Jensen, Nicolas Petersen, Mogens Teisen)
AAU (Pascal Madeleine)
AU (Kristian Overgaard)
NFA (Andreas Holtermann, Lars L. Andersen)

International
- Australia, Canada, Finland, France, Holland, Norway, Switzerland, Sweden, USA.

Initiated research projects
1. Neuromuscular function in meniscectomised subjects (NeuFUNC)
   - Jonas Bloch Thorlund employed from 1 February 2008 as a PhD-student
- Data collection completed in November 2008 (30 meniscectomized patients and 30 controls)

2. Odense Principles on Exercise (OPEX)
   - Preliminary project plan outlined
   - Bente Andersen to be employed from 1 February 2009
   - International contacts established

3. Odense RCT on Meniscectomy vs. Exercise (OMEX)
   - Multi-centre study within the Nordic Countries
   - External funding (DKK 833,000) has been achieved
   - First patients to be recruited in 2009

4. Meta-regression analyses of exercise studies including patients with knee osteoarthritis (MEREX)
   - Project plan under preparation
   - Carsten Juhl will submit PhD application in the winter 2008/2009

5. Exercise in knee osteoarthritis– unravelling the black box
   - Invited review for Osteoarthritis and Cartilage
   - Under preparation

6. Physiotherapy for knee osteoarthritis – an umbrella Review
   - Indirect comparison of clinical efficacy across Cochrane reviewed physiotherapy interventions for patients with osteoarthritis - an umbrella review
   - Data collected

7. Strengthening exercise for patients with knee osteoarthritis - the dose-response relationship
   - Data collected.

**Applications for external funding**

Region Syddanmark:

1. “Prevention and treatment of knee osteoarthritis”. Main applicant Ewa Roos


3. “Validation of patient reported outcome in total hip arthroplasty. A longitudinal study of 6000 patients from the Danish Hip Arthroplasty Registry”. Main applicant Aksel Paulsen, co-applicant Ewa Roos
Forskningsrådet for sundhed og sygdom:
1. “Prevention and treatment of knee osteoarthritis”. Main applicant Ewa Roos
2. “Biomechanics and motor control of scapular muscles in patients with neck shoulder pain compared to healthy controls and the effect of physical exercise. A Randomized Controlled Trial design.” Main applicant: Karen Søgaard

Højteknologifonden:
1. “V-Fysio. Virtuell Fysioterapeut”. Main applicant Gigtforeningen, co-applicant Ewa Roos

Gigtforeningen:

Peer-reviewed publications (2008)


Books and book chapters

Books (editor)
Nina Beyer, **Hans Lund**, Klaus Klinge (redaktører), Træning – i forebyggelse, behandling og rehabilitering, Munksgaard Danmark 2008 (384 sider)

Book chapters
Lea Sell, Anne Faber Hansen, **Karen Søgaard**. Impacts from Occupational Risk factors on self reported reduced Work Ability among Danish Wages Earners (In press).

Conference attendance

Invited lecturer
Ewa Roos. International Olympic Committé (IOC) Concensus Meeting on Non-contact ACL injuries in the Female Athlete. Lausanne Switzerland, February 2008. I. Outcome in ACL injury, basic concepts and clinical outcome II. OA prevention after ACL injury


Abstracts accepted for presentation at conferences


20. Petersson I, Boegård T, Roos EM, Lohmander SL. Natural course of MRI detected knee cartilage defects over 5 years in middle aged individuals. Associations with muscle function and clinical outcome. OARSI, Rome September 2008


**Initiatives to enhance and disseminate physiotherapeutic research in Denmark**

**Seminars and courses held at SDU:**

- FiF-seminar 17-18 January 2008. First network meeting for Physiotherapists with a PhD and PhD-students within physiotherapeutic research
- Meetings during 2008 for Network for physiotherapist working with qualitative methods (Chairman: Jeanette Præstegaard)
- Organisation and possibilities for development of physiotherapy – presentation at the annual meeting for “Praksiskonsulenter in Denmark” – 23 January 2008.
- Presentation of FiF to the vice-president for Danske Fysioterapeuter, Birgitte Kure, 24 January 2008.
- Participating in the preparation of the Nordic Physiotherapy Congress 2009
- Participating in the preparation of Danske Fysioterapeuterne Fagfestival 2009
- Course: Motor Control and Balance Rehabilitation: Translating Research into Evidence Based Practice, lecturers Marjorie Woollacott, PhD og Anne Shumway-Cook (130 participants), SDU 7-9 May 2008

**Presentation by FiF-members at:**

- Symposium Region Hovedstaden, 8 April 2008. “Visions for research in Physiotherapy” (ER)
- Mini Fagfestival Region Sjælland, 15 November 2008 (HL)
Other:

- Our submission was among the 366 submissions forming the basis for the finally 21 strategic research themes released by the Videnskabsministeriet in May 2008
- Proposal of Master program in physiotherapy was submitted to SDU in October 2008.

Initiatives to enhance collaboration with the physiotherapy educations in Denmark

- FiF is represented in the “Uddannelsesudvalg” in UC Vest, UC Lillebælt and UC Sjælland by Hans Lund
- Bachelor students work as “studentemedhjælpere” in ongoing research projects.

Council and international advisor

A council will be established by the stakeholders of the Research Initiative for Physical Therapy, i.e. the University of Southern Denmark, the Association of Danish Physiotherapists, the Danish Rheumatism Association and other stakeholders will be invited as well. The first meeting is to be held in November 2008.

Professor Maura Iversen visited Odense for the first time in her role as international advisor for the Research Initiative in March 2008. Maura Iversen is a professor and associate director at Massachusetts General Hospital (MGH), Institute of Health Professions and an instructor in Medicine at Harvard University, Boston, USA. In summary, professor Iversen found that the FiF-team has made substantial progress during its first year of inception, and five separate benchmarks were suggested for the upcoming year. The full report from professor Iversen’s visit is available separately.

Other

- Ewa Roos serves as grant panel member for the Danish Rheumatism Association from 2008
- Ewa Roos is Associate Editor of Osteoarthritis & Cartilage from 2008
- Karen Søgaard is member of the Editorial board of Journal of Electromyography and Kinesiology and of International Journal of Industrial Ergonomics
- Karen Søgaard is Council member of The International Society of Biomechanics.