

Basic and Clinical Research in Musculo-skeletal and Oral Sciences (MUSKOS)

Faculty of Health and Medical Sciences – University of Copenhagen



Annual Symposium

Thursday 10th December – Friday 11th December 2015

Comwell Borupgaard

Nørrevej 80, 3070 Snekkersten

THURSDAY 10th DECEMBER 2015

Topic: Aging tissue and organism

Keynote:

10.00 – 10.45

"Centenarians (100 yrs. old) – a useful model for healthy ageing? Is a long life attractive at all?"

Associate Professor Bernard Jeune, Danish Aging Research Center, Univ of Southern Denmark (40+5 min)

Chair: Michael Kjær

PhD-presentations

10.50-12.02

**In thematic groups. 10 min oral presentations from PhD-students
(planned project or results).**

<p>Auditorium A Chairs: Professor Gerrit van Hall and Senior Researcher Jesper Løvind Andersen</p> <p>10.50 – 11.02 Tine Juul Monberg “Presence and interrelation of metabolic risk factors in statin users with and without myalgia”</p> <p>11.02 – 11.14 Mimmi Torp “The impact of simvastatin on insulin sensitivity in subjects with and without myalgia”</p> <p>11.14 – 11.26 Thomas Morville “Aerobic fitness, strength and rate of force development in Simvastatin treated subjects with or without myalgia”</p> <p>11.26 – 11.38 Kasper Dideriksen “Effect of anti-inflammatory medication on postprandial and postexercise muscle protein synthesis in low-grade inflamed elderly men”</p> <p>11.38 – 11.50 Andreas Ziegler “Effect of skeletal muscle strength training on local and systemic inflammatory mediators in elderly individuals”</p> <p>11.50 – 12.02 Grith W. Højfeldt “Fate of nutrient-derived amino acids: influence of habituated levels of daily dietary protein intake on protein utilization”</p>	<p>Room C Chairs: Professor Peter Magnusson and Professor Michael Kjær</p> <p>10.50 – 11.02 Mette Rose Jørgensen “Salivary IgA and cytokines response to Lactobacillus reuteri supplements: a randomized, double-blind, placebo-controlled, cross-over trial”</p> <p>11.02 – 11.14 Anne Marie Nyholm “Surgical delay increases early mortality for patients with proximal femoral fractures. A study from The Danish Fracture Database Collaborators”</p> <p>11.14 – 11.26 Rasmus Bechshøft “The effect of heavy and light resistance training on skeletal muscle strength in elderly individuals”</p> <p>11.26 – 11.38 Julia Dahlqvist “Paraspinal fat infiltration in healthy adults with aging”</p> <p>11.38 – 11.50 Sune Dandanell “A lifestyle intervention-induced 10% weight loss maintained for more than 4 years – what are the health benefits?”</p>
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12.02-12.45

Lunch

Symposium: Aging tissue and organism

Chairs: Professor Michael Kjær and Associate Professor Lars Holm

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| 12.45 – 13.10 | <i>Loss of muscle function with aging.</i>
Associate Professor Nina Beyer, Dept of Physiotherapy, Bispebjerg-Frederiksberg Hosp (20+5 min) |
| 13.10 – 13.35 | <i>Oral changes with aging</i>
Professor Anne Marie Lynge Pedersen, Dept of Odontology, Univ of Copenhagen (20+5 min) |
| 13.40 – 14.05 | <i>Metabolic changes with aging – how to determine?</i>
Professor Gerrit van Hall, Unit of Clinical Metabolomics, Rigshospitalet, Univ of Copenhagen (20+5 min) |
| 14.10 – 14.35 | <i>Retirees, rest, respiration, and ROS - does age or inactivity drive mitochondrial dysfunction?</i>
Professor Flemming Dela, Dept of Biomedical Sciences, Univ of Copenhagen (20+5 min) |
| 14.35 – 15.00 | <i>Myopathic and dystrophic muscle diseases. What happens with aging?</i>
Professor John Vissing, Dept of Neurology, Rigshospitalet, Univ Copenhagen (20+5 min) |
| 15.00 – 15.30 | Coffee/tea break |

Symposium: Trial protocols and research dissemination

Chairs: Associate Professor Kristian Thorborg and Associate Professor Thomas Bandholm

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| 15.30 - 16.00 | <i>Finalizing the protocol and registering the trial</i>
Associate Professor Thomas Bandholm, Hvidovre-Amager Hospital, Univ of Copenhagen (25+5 min) |
| 16.00 – 16.30 | <i>Analyzing the trial without fraudulent behavior</i>
Professor Robin Christensen, Parker Institute, Bispebjerg-Frederiksberg Hospital (25+5 min) |
| 16.30 – 17.00 | <i>Reporting the trial using reporting checklists</i>
Professor Marius Henriksen, Dept Physiotherapy, Bispebjerg-Frederiksberg Hosp (25+5 min) |

17.00 – 18.00 **Meeting for all PhD-students regarding future seminar activities**

19.00 **Dinner and “Snekkersten PhD-Cup”.**

Judges:

Director of Research, Anne-Marie Engel, The Lundbeck Foundation,
Professor Bente Klarlund, CIM and Centre Phys Act Res, Rigshospitalet
Project Leader, Peter Hyldgård, Videnskab.dk, Science Nordic.com

FRIDAY 11th DECEMBER 2015

Topic: Tissue damage

Keynote:

8.30 – 9.15 ***Can physical training become too much, and cause side effects/tissue damage?***
Professor Bente Klarlund, Centre of Inflammation and Metabolism and
Centre of Physical Activity Research, Rigshospitalet, Univ of
Copenhagen (40+5 min)
Chair: Michael Kjær

PhD-presentations

9.20 – 10.32 **In thematic groups. 10 min oral presentations from PhD students
(planned project or results).**

Auditorium A Chairs: Associate Professor Camilla Kragelund and Associate Professor Thomas Bandholm 09.20 – 09.32 Anne Marie Nyholm “Evidence for performance of implants used for proximal femoral fractures in Denmark” 09.32 – 09.44 Christian Wied “Pneumatic Tourniquet Does Not Reduce The Total Post-Operative Blood Loss When Evaluated On Day Four After Transtibial Amputations. A Case-Control Study Of 74 Non-Traumatic Transtibial Amputations”	Room C Chairs: Professor Marius Henriksen and Senior Researcher Peter Schjerling 09.20 – 09.32 Anders Karlsen “The influence of training history or electrical muscle stimulation on the adaptation of muscle to strength training in elderly individuals” 09.32 – 09.44 Cecilie Bechshøft “The role of ageing in the interplay between satellite cells and interstitial cells in skeletal muscle at rest and in response to exercise”
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<p>09.44 – 09.56 Salameh Eljaja “Changes in knee laxity and range of motion with different positions of the femoral and tibial graft tunnels in anterior cruciate ligament (ADL) reconstruction”</p> <p>09.56 – 10.08 Antonis Giannopoulos “Effects of copper on mechanical properties of tissue engineered tendons”</p> <p>10.08 – 10.20 Christian Eriksen “Regulation of Tendon Matrix and Its Mechanical Properties in Elderly Individuals: Influence of Physical Activity”</p> <p>10.20 – 10.32 Anne-Sofie Andersen “Treatment of patellar tendinopathy; Influence of load magnitude on clinical outcome, tendon structure and function”</p>	<p>09.44 – 09.56 Mette Flindt Heisterberg “Does blocking angiotensin II enhance the effect of exercise in skeletal muscle?”</p> <p>09.56 – 10.08 Mikkel Bek Clausen “Patients with subacromial impingement have pronounced strength and mobility impairments and these are not reflected in patient-reported outcome: A cross-sectional study in a consecutive cohort”</p> <p>10.08 – 10.20 Stine D. Søndergård “The production of reactive oxygen in response to glutathione supplementation and acute exercise in patients with type 2 diabetes”</p> <p>10.20 – 10.32 Julie Courraud “Study of Human Extramyocellular lipids in Diabetes and Obesity”</p>
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10.32 – 11.00

Coffe/tea break

Symposium: Tissue damage

Chairs: Professor Peter Magnusson and Professor Peter Schwarz

11.00 – 11.25

Degenerative arthrotic changes in joints – point of no return or treatable?

Professor Henning Bliddal, Parker Institute, Bispebjerg-Frederiksberg Hospital (20+5 min)

11.25 – 11.50

Modifying the stress response to surgery.

Professor Ismayil Gögenür, Dept of Surgery, Roskilde-Køge Hospital, Univ Copenhagen (20+5 min)

11.50 – 12.15

Inflammatory joint disease – curable with medication?

Professor Mikkel Østergaard, Dept of Rheumatology, Rigshospitalet-Glostrup, Univ Copenhagen (20+5 min)

12.15 – 12.40

Tendon injuries – how do we treat them?

Professor Peter Magnusson, Musculoskeletal Rehabilitation Research Unit, Department of Physiotherapy, Bispebjerg-Frederiksberg Hospital (20+5 min)

12.40 – 13.05

Oral tissue injury induced by radiation therapy: salivary glands, mucosa and bone.

Associate professor Siri Beier Jensen, Section for Oral Medicine and Pathology, Dept of Odontology, University of Copenhagen (20+5 min)

13.10

Lunch (+ separate board meeting)