

Basic and Clinical Research in Musculo-skeletal and Oral Sciences

Faculty of Health and Medical Sciences – University of Copenhagen



Annual Symposium

Thursday 8th December – Friday 9th December 2016

Comwell Borupgaard
Nørrevej 80, 3070 Snekkersten

THURSDAY 8.DECEMBER

10.00 – 10.45

Key-note lecture:

Pain in the musculoskeletal system

Professor Thomas Graven-Nielsen, Center for Neuroplasticity and Pain,
Dept. of Health Science and Technology, Aalborg University

Chair: Professor Michael Kjaer

10.50 – 12.30

Free oral presentations from PhD students

<p>Auditorium A Chairs: Associate Professor Camilla Kragelund and Professor Peter Schwarz Presentations each 8+4 min</p> <p>The oral presentations are followed by feedback on the presentation technique (20 min) (Thea Sejr, Rhetorical Expert))</p> <p>10.50 – 11.02 Camilla V. Hansen “The effect of six weeks of high intensity interval training of young human subjects on glucose tolerance”</p> <p>11.02 – 11.14 Annesofie T. Olesen “The effect of aging and training on the intramuscular connective tissue”</p> <p>11.14 – 11.26 Mikkel Bek Clausen “Conservative treatment results for subacromial impingement patients: Clinical core outcomes and their relation to specific rehabilitation parameters”</p> <p>11.26 – 11.38 Pil Højgaard “The influence of obesity on TNF-α inhibitor treatment in psoriatic arthritis”</p> <p>11.38 – 11.50 Rasmus Skov Husted “Rapid knee-extensions to increase quadriceps muscle activity in patients with total knee arthroplasty: A randomized cross-over study”</p> <p>11.50 – 12.15 Feedback on presentation techniques from chairs + Thea Sejr</p>	<p>Room S2-3 (Hasselbalch’s House) Chairs: Senior Researcher Thomas Bandholm and Associate Professor Steen Larsen Presentations each 8+4 min</p> <p>The oral presentations are followed by feedback on the presentation technique (20 min)</p> <p>10.50 – 11.02 Elisabeth Bandak “The effects of exercise on muscle perfusion quantified by dynamic contrast enhanced MRI in knee osteoarthritis: exploratory outcomes from a randomized controlled trial”</p> <p>11.02 – 11.14 Maria Dahl Mitochondrial respiration in statin induced myalgia – The LIFESTAT cross-sectional study”</p> <p>11.14 – 11.26 Marie Hagman “Bone health in lifelong trained male football players compared with young and elderly untrained men”</p> <p>11.26 – 11.38 Peter Tran Mechanisms behind development of Tendinopathy: Early Structural Inflammatory, Nociceptive and Clinical changes in recreational runners (TESINaC)”</p> <p>11.38 – 11.50 Antonis Giannopoulos “Mechanical assessment of tendon analogues”</p> <p>11.50 – 12.15 Feedback on presentation technique from chairs</p>
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12.30 – 13.15

Lunch

SYMPOSIUM 1:

Inflammation

Chair: Professor Michael Kjær

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| 13.15 – 13.40 | Inflammation in human joints – detection and treatment
Professor Merete Hetland, Dept Rheumatology, Rigshospitalet |
| 13.40 – 14.05 | Fat tissue, inflammation, physical activity and health
Associate Professor Camilla Scheele, CIM, Rigshospitalet |
| 14.05 – 14.30 | Inflammation and skeletal muscle
Associate Professor Abigail Mackey, Dept Biomed Sci, Univ Cph |
| 14.30 - 14.55 | Inflammation in the dental pulp
Assistant Professor Merete Markvart, Dept Odontology, Univ Cph |
| 15.00-15.30 | Break (coffee/tea) |

SYMPOSIUM 2:

Hormones

Chair: Professor Jørn W. Helge

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| 15.30 – 15.55 | Hormonal treatment (anti-estrogen, glucocorticoids) – side effects on bone
Professor Peter Schwarz, Dept Endocrinology, Rigshospitalet |
| 15.55 – 16.20 | Hormonal treatment and the oral mucosa
Associate Professor Camilla Kragelund, Dept Odontology, Univ Cph |
| 16.20 – 16.45 | Diabetes treatment – from pancreas to gut
Chief Physician Thure Krarup, Dept Endocrinol, Bispebjerg Hospital |
| 16.45 – 17.10 | Role of growth hormone/IGF-1 in tendon tissue
Chief Physician Simon Døssing, Inst Sports Med, Bispebjerg Hospital |
| 17.15-17.45 | PhD meeting |
| 19.00- | Dinner (including PhD CUP) |

FRIDAY 9.DECEMBER

8.30 – 9.15

Key-note lecture:

Physical activity and health: Examples from football

Professor Peter Krstrup, Dept of Sports Science and Biomechanics,
University of Southern Denmark, Odense

Chair: Michael Kjaer

9.20- 10.40

Free oral presentations from PhD students

<p>Room Auditorium Chairs: Associate Professor Abigail Mackey and Associate Professor Kristian Thorborg Presentations each 8+4 min</p> <p>The oral presentations are follow by feedback on the presentation technique (20 min)</p> <p>09.20 – 09.32 Anne Theil Gylling “Physical activity as intervention for age related loss of muscle mass and function: the LISA study (Live active Successful Aging)”</p> <p>09.32 – 09.44 Maria Hansen “Low-grade inflammation in statin users in primary prevention; a cross sectional LIFESTAT study”</p> <p>09.44 – 09.56 Grith Højfeldt Fate of nutrient-derived amino acids: influence of habituated levels of daily dietary protein intake on amino acid uptake and utilization.</p> <p>09.56 – 10.08 Anja Birk Kuhlman “Statins, Q10 supplementation and exercise training response in primary prevention; A LIFESTAT intervention study”</p> <p>10.08 – 10.20 Andreas Ziegler “Muscle mass and inflammation in elderly: Effect of strength training upon local and systemic inflammation in humans</p> <p>10.20 – 10.40 Feedback on presentation technique from chairs</p>	<p>Room S2-3 (Hasselbalch’s House) Chairs: Professor Peter Magnusson and Professor Jørn W. Helge Presentations each 8+4 min</p> <p>The oral presentations are follow by feedback on the presentation technique (20 min)</p> <p>09.20 – 09.32 Anders Karlsen “Counteracting muscle loss in very old (+65 years) hospitalized patients – effect of neuromuscular electrical stimulation”</p> <p>09.32 – 09.44 Christian Eriksen “Regulation of tendon matrix and its mechanical properties in elderly individuals: Influence of physical activity”</p> <p>09.44 – 09.56 Karoline Chrøis “Oral Glutathione supplement is stored in skeletal muscle tissue”</p> <p>09.56 – 10.08 Mette F. Heisterberg Is the effect of exercise enhanced in skeletal muscle by blocking angiotensin II?”</p> <p>10.08 – 10.20 Rizky S. Prawiradilaga “Enhancing musculoskeletal health and dynamic balance in osteoporotic patients via the application of an exercise app”</p> <p>10.20 – 10.40 Feedback on presentation technique from chairs</p>
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10.40 – 11.00 **Coffee/tea break**

SYMPOSIUM 3:

Preventive medical treatment

Chair: Senior Researcher Thomas Bandholm

- 11.00 – 11.25 Treatment and over-treatment in preventive medicine
Dr Nanna Borup Johansen, Research Centre for Prevention and Health,
Centre for Health, Capital Region of Denmark”.
- 11.25 – 11.50 Preventive treatment with statins – effects vs side-effects
Associate prof Steen Larsen, Dept Biomed Sci, Univ Copenhagen
- 11.50 – 12.15 Prophylactic antibiotics in dentistry – discussion of pros, cons
and evidence for guidelines
Associate Professor Tove Larsen, Dept Odontology, Univ Cph
- 12.15 – 12.40 Is estrogen treatment a good preventive drug at menopause?
Professor Anette Tønnes Pedersen, Dept Gynecology, Rigshospitalet
- 12.40 – 13.00 General discussion
- 13.00 – 14.00 **Lunch**
(and board meeting Basic and Clinical Research in Musculo-skeletal and
Oral Sciences)