Muscle training in ageing, denervation and beyond

Padova & Terme Euganee (Italy), November 23 - 25, 2012

Terme Euganee Conference Hall, Hotel Augustus, Viale Stazione 150 - 35136 Montegrotto Terme, Padova, Italy
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Organizers: H. Kern and U. Carraro

Friday November 23, 2012
Department of Biomedical Sciences, University of Padua, Viale G. Colombo 3, Padova, Italy - Room F-PR
15.00 Lecture High-resolution respirometry in permeabilized fibers from small biopsies of human muscle
   Prof. Erich Gnaiger, Innsbruck Medical University, Austria
15.45 Lecture Malignant hyperthermia and exertional/environmental heat stroke: understand the molecular mechanisms to develop therapeutic interventions
   Prof. Feliciano Protasi, Chieti University, Italy

Terme Euganee Conference Hall, Hotel Augustus, Montegrotto Terme, Padova, Italy
18.00 – 19.30 Workshop Rise2-Italy Report – U. Carraro, S. Masiero, Chairmen
   Muscle reinnervation on a difficult-to-stimulate case of Conus-Cauda Syndrome, Emiliana Bizzarini, et al., Udine, Italy
   Sonography of denervated muscle, Riccardo Zanato, et al., Padova, Italy
   Effectiveness of h-b FES for denervated muscle is compliance-dependent. A case study by 3D Color Tomography, Paolo Gargiulo, et al., Reykjavik, Iceland
   A neuroprosthesis for finger rehabilitation in quadriplegic SCI and assessment of muscle density changes after treatment, Thordur Helgason, et al., Reykjavik, Iceland
   Macrophages and muscle regeneration: a multi-faceted interaction that could lead to therapeutic tools. Eva Galletta et al., Padova, Italy
20.00 – 21.00 Dinner
21.00 – 22.00 Organizing Meeting of the 2013 Spring Padua Muscle Days, March 15-17 & future collaborations

Saturday November 24, 2012
Terme Euganee Conference Hall, Hotel Augustus, Montegrotto Terme, Padova, Italy
09.00 – 12.30 Workshop Interreg IVa “Mobility in elderly” – H. Kern, Chairman
   10 min Program overview, H. Kern, Vienna, Austria
   20 min Morphometry of skeletal muscle in sedentary elderly and senior sportmen, Sandra Zampieri et al., Padua, Italy
   20 min Progressive un-coupling of mitochondria from calcium release units in ageing: implications for muscle performance, Feliciano Protasi, Simona Boncompagni, Chieti, Italy
   10 min Training groups in Bratislava, Jan Cvecka, Milan Sedliak, Dusan Hamar, Bratislava, Slovakia
   10 min Potentiation&Fatigue responses in senior sportmen, Nejc Sarabon, Koper, Slovenia
   10 min Assessment of total hip arthroplasty by 3D CT: evaluation of muscle and bone, Paolo Gargiulo, Reykjavik, Iceland
10.15 – 10.30 Coffee Break
10.30 – 11.30 Interreg IVa – Molecular Biology
   30 min The molecular basis of muscle ageing, Antonio Musarò, Rome, Italy
   30 min Atrophy/hypertrophy in healthy and diseased muscle and senior sportmen, Marco Sandri, Padua, Italy
11.30 – 12.30 Interreg IVa – Perspectives in Rehabilitation of Oncologic Patients
   20 min Strength of muscles and QoL in tumor bearing patients, Richard Crevenna, Helmut Kern, Vienna, Italy
   20 min Myopathic features in patients affected with newly diagnosed colorectal cancer, Sandra Zampieri, et al., Padua, Italy
12.30 – 15.30 Lunch & Cycling Exercise
15.30 – 19.00 Papers in preparation: General Discussion
19.30 – 20.30 Dinner
21.00 – 22.00 Interreg IVa: Future collaborations in ageing & oncology

Sunday November 25, 2012
Terme Euganee Conference Hall, Hotel Augustus, Montegrotto Terme, Padova, Italy
09.00 – 11.00 Interreg IVa “Mobility in elderly” Partner meeting, Outlook 2013-2015