



DRUŠTVO ZA CELIČNO IN TKIVNO INŽENIRSTVO SLOVENIJE
CELL AND TISSUE ENGINEERING SOCIETY OF SLOVENIA

4th CARTILAGE WEEKEND
Symposium on cartilage repair and regenerative medicine



4th Cartilage weekend: Symposium program

Thursday, May 8, 2008

18.00 Get together

Friday, May 9, 2008

8.00-9.00 Registration

9.00 Welcome – Matej Drobnič, president of organizing committee, Damjan Radosavljevič, president of CTESS

9.15 Introduction – Vane Antolič

CARTILAGE AND BONE

9.30 -11.00 Section A

Articular cartilage: clinical perspective

Chair: Matej Drobnič, Giuseppe M Peretti

- 9.30-9.50 Mislav Jelić, Croatia
- Articular Cartilage Defect Treatment Concepts: Repair or Regeneration?
- 9.50-10.10 Miroslav Hašpl, Croatia
- Microfractures Versus Autologous Chondrocyte Implantation
- 10.10-10.25 Damjan Radosavljevič, Slovenia
- Long-term Results with ACI in Slovenia
- 10.25-10.35 Klemen Strazar, Slovenia
- Current Concept for Treatment of Cartilage Lesions in Femoroacetabular Impingement
- 10.35-10.45 Oskar Zupanc, Slovenia
- Osteochondral Lesions of the Elbow – Arthroscopic Treatment
- 10.45-11.00 Martina Bregar, Slovenia
- Rehabilitation after Autologous Chondrocyte Implantation in the Knee

11.00-11.30 Coffee Break

11.30 - 13.00 Section B

Cartilage: tissue engineering and imaging

Chair: Damjan Radosavljevič, Peter Verdonk

- 11.30-11.50 Christoph Brochhausen, Germany
- Chondrocyte Biology: Cartilage Development and Tissue Engineering Strategies
- 11.50-12.05 Matej Drobnič, Slovenia
- Surgical Aspects of ACI
- 12.05-12.25 Elizaveta Kon, Italy

- 12.25-12.40 - Osteochondral Tissue Engineering
Emilio Quaia, Italy
- 12.40-12.50 - The Latest Developments in Cartilage Imaging
Ariana Barlič, Slovenia
- 12.50-13.00 - Gene Expression Analysis of 3D Engineered Constructs used for ACI
Bojana Obradović, Serbia
- Development and Validation of a Novel Bioreactor with Mechanical Stimulation for Cartilage Tissue Engineering

13.00-14.30 Lunch Break

14.30 – 15.45 Section C

Meniscus and intervertebral disc

Chair: Miro Gorenšek, Miroslav Hašpl

- 14.30-14.50 Giuseppe M Peretti, Italy
- Basic Science in Meniscus Repair
- 14.50-15.10 Peter Verdonk, Belgium
- Meniscus Transplantation: Current Concepts
- 15.10-15.30 Jill Urban, UK
- Nutritional Constraints on Repair of the Intervertebral Disc
- 15.30-15.45 Miro Gorenšek, Slovenia
- Prevention of Intervertebral Disc Narrowing

15.45-16.15 Coffee break

16.15 - 17.45 Section D

Bone tissue engineering and other clinical applications

Chair: Vinko Pavlovčič, Elisaveta Kon

- 16.15-16.35 Darja Marolt, Slovenia; USA
- Bone Tissue Engineering
- 16.35-16.50 Matjaž Rode, Slovenia
- Periodontal Bone Repair
- 16.50-17.05 Hana Krečič-Stres, Slovenia
- Laboratory Development of Tissue Engineered Bone Grafts using Mesenchymal Stem Cells
- 17.05-17.20 Vladimir Senekovič, Slovenia
- Long Bone Defects Treated by Tissue Engineering Approach
- 17.20-17.35 Dragica Maja Smrke, Slovenia
- Bone Marrow Derived Stem Cells in the Bone Surgery
- 17.35-17.45 Luminita Simion, Romania
- Clinical Application of a Biphasic Macroporous Ceramic Bone Substitute (CERAFORM®)

19.00 Conference Dinner - Boat Tour

Saturday, May 10, 2008

REGENERATIVE MEDICINE AND STEM CELLS

9.00 - 10.30 Section E

Regulatory, ethical and coordination aspects of tissue engineering and regenerative medicine

Chair: Miomir Knežević, Herbert Gottweis

- 9.00-9.25 Herbert Gottweis, Austria
- Regenerative Medicine and Stem Cell Research: Emerging Governance Issues
- 9.25-9.50 Albert Ramon, Belgium
- Coordination of Research in Tissue Engineering
- 9.50-10.05 Miomir Knežević, Dragoslav Domanović, Primož Rožman, Slovenia
- Regulations of the Tissue and Cell Therapies in Slovenia
- 10.05-10.20 Danica Avsec-Letonja, Slovenia
- Traceability, Transparency Required
- 10.20-10.30 Saša Puhar, Slovenia
- Quality Challenges in Autologous Tissue Establishment

10.30-11.00 Coffee Break

11.00 - 12.30 Section F

Stem cells and Regenerative medicine

Chair: Primož Rožman, Darja Marolt

- 11.00-11.25 Stephen Minger, UK
- Embryonic Stem Cells
- 11.25-11.50 Tanja Dominko, USA
- Fibroblast – the Ultimate Stem Cell
- 11.50-12.05 Irma Virant Klun, Slovenia
- Stem Cells in Human Gonads
- 12.05-12.15 Mirjam Froelich, Slovenia
- Tissue Engineered Bone Grafts from Adipose Derived Stem Cells
- 12.15-12.30 Andrej Kmetec, Slovenia (from section D)
- Treatment of Vesicoureteral Reflux by ACI

12.30-14.00 Lunch Break

14.00 – 15.30 Section G

Umbilical cord blood

Chair: Matjaž Jeras, Albert Ramon

- 14.00-14.25 Nico Forraz, UK
- Cord blood Banking and Bioprocessing: what can we Learn from Obstetric History?
- 14.25-14.50 Colin McGuckin, UK
- Banking on Cord Blood and Adult Stem Cells for Regenerative Medicine
- 14.50-15.15 Zoran Ivanović, France
- Maintenance of Primitive Stem Cell Activity in Course of the Clinical-Scale *ex vivo*
Expansion of Cord Blood CD34+ Cells
- 15.15-15.30 Marko Strbad, Slovenia
- Potential of Umbilical Cord Blood Stem Cells to Differentiate towards Pancreatic Cells

15.30-16.00 Coffee break

16.00 – 16.15 Symposium closing

16.15 General assembly of DCTIS