

Human Skin Engineering and Reconstructive Surgery

20-22 May 2013
Prague, Czech Republic

Monday, 20 May 2013

10:00-12:00 **Registration**

12:00-13:30 **Lunch**

13:30-14:00 **Opening ceremony**

President of Czech Society in Biomechanics

Svatava Konvickova

Organization Remarks

Lukas Capek

Conference Room

14:00-14:30 **Jana Hercogova:** *In Vivo Skin Examination by Confocal Microscopy.* Dermatology clinics, Bulovka Hospital, Czech Republic.

14:30-15:00 **Geoffrey Gurtner:** *The Critical Role of Mechanical Forces During Wound Healing.* Stanford University, USA.

15:00-15:30 Coffee Break

15:30-15:50 **Masataka Akimoto:** *Computational Model of Local Skin Flap Surgery.* Nippon Medical School, Japan.

15:50-16:10 **Bohumil Zalesak:** *Repeated Skin and Soft Tissue Expansion in Treatment of Giant Nevi of the Face.* Faculty Hospital Olomouc, Czech Republic.

16:10-16:30 **Emmanuelle Jacquet:** *Influence of the V-Y Advancement Flap Geometry on the Wound Closure Maximal Force.* Université de Franche Comté, France.

16:30-17:00 Coffee Break

17:30-17:50 **Bohumil Zalesak:** *Skin and Soft Tissue Distraction and Free Vascularized PIP Joint Transfer in Hand.* Faculty Hospital Olomouc, Czech Republic.

17:50-18:10 **Alexandra Mitbauerova:** *Gluing or Suturing Skin Wounds?* Technical University in Liberec, Czech Republic.

19:00-22:00 **Gala Dinner**

Tuesday, 21 May 2013

Conference Room

09:00-9:30 **Rei Ogawa:** *Mechanobiology of Cutaneous Wound Healing and Scarring.* Nippon Medical School, Japan.

09:30-09:50 **Stanislav Doubal:** *Nonlinear Viscoelastic Behavior of Human Skin.* Charles University in Hradec Králové, Czech Republic.

09:50-10:10 **Jana Hradilova:** *A Noninvasive in Vivo Study of the Skin Anisotropy Using Multi-Directional Ultrasonic Probe.* Institut of Termomechanics, Czech republic.

10:10-10:30 **Alexandra Mitbauerova:** *A Method of Evaluation of Mechanical Properties of Human Skin.* Technical University in Liberec, Czech Republic.

10:30-10:50 **Martin Molitor:** *Mastering the Skin in Reconstructive Surgery.* Bulovka Hospital, Czech Republic.

11:10-13:00 **Lunch**

13:00-13:30 **Umut Tekin:** *Autologous free fat grafts placement after failed alloplastic TMJ reconstruction.* University of Kirikkale, Turkey.

- 13:30-13:50 **Jana Horakova:** *Polycaprolactone Nanofibrous Layer Functionalized by Thrombocyte Rich Solution.* Technical University of Liberec, Czech Republic.
- 13:30-14:10 **Yunus Emre:** *Effect of Locally Applied Alendronate on New Bone Formation and Distraction Rate on Distraciton Osteogenesis in a Rabbit Mandible.* University of Kirikkale, Turkey.
- 14:10-14:30 **Zdenek Horak:** *Custom Made Replacements for Defect Reconstruction.* Czech Technical University in Prague, Czech Republic.
- 14:30-14:50 **Michal Ackermann:** *Biomechanical Analysis of Mini-Screw Pullout Strength.* Technical University of Liberec, Czech Republic.
- 14:50-16:10 **Peter Lipovsky:** *ActinicaR - Turning protection into prevention.* Spiring Eastern a.s.
- 16:10-16:30 Coffe Break
- 16:30-17:30 **Petr Mikes:** *Nanotechnologies - Perspectives in Tissue Engineering*
- 18:00-19:00 **Dinner**

Wednesday, 22 May 2013

08:30-09:00 Closing Ceremony

09:00-11:30 Prague Tour