



6TH EURAPS RESEARCH COUNCIL MEETING
24-25 MAY 2017
PISA CONGRESS CENTRE – PISA, ITALY

Wednesday 24 May

8.00-9.00 Registration at Pisa Congress Centre – Via Giacomo Matteotti, 1

9.00-9.10 Welcome
F. De Lorenzi
F. Santanelli Di Pompeo
G. Salimbeni

9.10-11.10 Session 1 – *STEM CELLS AND TISSUE ENGINEERING*
Chairs
Hans-Günther Machens – Germany
Jeroen Stevens – The Netherlands

9.10 AUTOLOGOUS FAT GRAFTING: ULTRACENTRIFUGED CHARACTERIZATION
Andrea Lisa

9.20 CHARACTERISATION OF ADIPOSE STEM CELLS ISOLATED AFTER MANUAL AND WATER JET-ASSISTED LIPOSUCTION
Rojda Gumuscu

9.30 COMPARISON BETWEEN LULL PGM SYSTEM, DECANTATION AND CENTRIFUGATION: AN EXPERIMENTAL STUDY ON PROCESSING TECHNIQUES FOR AUTOLOGOUS FAT GRAFTING
Paolo Giovanni Morselli

9.40 A NEW SAFER, FASTER AND CHEAPER MECHANICAL PROCESSING METHOD TO ISOLATE ADIPOSE-DERIVED STEM CELLS
Michele Grieco

9.50 EFFECT OF A TUMESCENT SOLUTION ON PERILIPIN AND PHOSPHO-PERILIPIN EXPRESSION OF ADIPOCYTES
Ilknur Keskin

10.00 CONTENT OF SOLUBLE FACTORS AND CHARACTERISTICS OF STROMAL VASCULAR FRACTION CELLS IN LIPOASPIRATES FROM DIFFERENT SUBCUTANEOUS ADIPOSE TISSUE DEPOTS
Justinas Grays

10.10 THE FRACTIONATION OF ADIPOSE TISSUE TO OBTAIN STROMAL VASCULAR FRACTIONS FOR REGENERATIVE PURPOSES
Hieronymus Stevens

- 10.20 SPHEROIDS FROM ADIPOSE-DERIVED STEM CELLS (S-ASCS) EXHIBIT A MIRNA PROFILE TYPICAL OF HIGHLY UNDIFFERENTIATED CELLS AND IPS CELLS
Luigi Montesano
- 10.30 ENGINEERING VASCULARIZED FLAPS USING ADIPOSE-DERIVED MICROVASCULAR EC AND MSC
Dana Egozi
- 10.40 DECELLULARIZATION OF HUMAN FINGERS
Jérôme Duisit
- 10.50 THE BIOLOGICAL BASES OF SOFT TISSUES RECONSTRUCTION WITH ACELLULAR DERMAL MATRICES (ADM): EXPERIMENTAL STUDY AND CLINICAL IMPLICATIONS
Enrico Vigato
- 11.00 OMOLOGOUS DE-EPITHELIALIZED DERMAL MATRIX FOR BREAST RECONSTRUCTION: PRECLINIC STUDY ON ANIMAL MODEL
Filippo Rivarossa
- 11.10-11.30 Coffee Break
- 11.30-13.10 Session 2 – *HAND SURGERY AND PERIPHERAL NERVE*
Chairs
Andrew Hart – UK
Esther Vögelin – Switzerland
- 11.30 ENCAPSULATION OF ADIPOSE-DERIVED STEM CELLS (ASC) IN DEGRADABLE GELS FOR PERIPHERAL NERVE REPAIR AND NEUROPROSTHETIC DEVICES
Pietro di Summa
- 11.40 EPIMORPHIC REGENERATION WITH NERVE GROWTH FACTOR AND MICROWAVE ELECTRICAL STIMULATION : AN EXPERIMENTAL STUDY IN RATS
Muge Sevindik
- 11.50 ANISOTROPIC SURFACE MICROPATTERNING TO ENHANCE NEURITE OUTGROWTH IS A TRANSLATIONALLY RELEVANT TOOL, AND INFORMS ON DRUG DISCOVERY PIPELINES
Suzanne Thomson
- 12.00 HISTOLOGICAL EVALUATION OF NERVE DAMAGE IN DIFFERENT IN VITRO NERVE AVULSION MODELS AND DETERMINING THE SAFETY LIMITS IN REPAIR
Emre Güvercin
- 12.10 USE OF TOPOGRAPHICAL CUES TO ENHANCE THE NEUROTROPIC POTENTIAL OF ADIPOSE DERIVED STEM CELLS
Marie Kearns
- 12.20 REGENERATIVE STEM CELLS IN SPLIT SCIATIC NERVE SURGERY: A NEW MICROSURGICAL MODEL IN EXPERIMENTAL NERVE REPAIR
Luigi Schiraldi

- 12.30 REGENERATION PATTERNS INFLUENCE HINDLIMB AUTOMUTILATION AFTER SCIATIC NERVE REPAIR USING STEM CELLS IN RATS
Daniel Haselbach
- 12.40 MEASUREMENT OF THE RANGE OF MOTION OF JOINTS IN THE HAND WITH THE INTEL REALSENSE CAMERA
Arico Verhulst
- 12.50 HAND TRANSPLANTATION IN PATIENTS WITH EXTENSIVE BURNS OF THE UPPER EXTREMITIES: ANATOMICAL STUDY OF THE FEASIBILITY
Enrico Vigato
- 13.00 BIOMECHANICAL COMPARISON OF A NEW LOOP SUTURE TECHNIQUE WITH CONVENTIONAL METHODS IN FLEXOR TENDON REPAIR: IN VITRO STUDY
Gökçe Yıldiran
- 13.10- 14.00 Lunch
- 14.00-16.00 Session 3 – *BREAST, Part 1*
Chairs
Benedetto Longo – Italy
- 14.00 THE IMPACT OF TEXTURE ON INFLAMMATORY CELL RESPONSES
TracyAnn Perry
- 14.10 MSCS AND INFLAMMATION: NEW INSIGHTS INTO THE POTENTIAL ASSOCIATION BETWEEN ALCL AND BREAST IMPLANTS
Matteo Torresetti
- 14.20 THE EVALUATION OF THE EFFECT OF SAFE SYSTEMIC IMMUNOSUPPRESSION CREATED WITH DEXAMETHASONE IN PREVENTION OF CAPSULAR CONTRACTURE: THE ESTABLISHMENT OF DIFFERENT PERSPECTIVES WITH TOLL-LIKE RECEPTORS
Ozlem Çolak
- 14.30 THE EFFECT OF HYALURONIC ACID APPLICATION ON THE PERISILICON CAPSULE STRUCTURE
Sedat Tatar
- 14.40 NITRIC OXIDE CHARGED SILICONE BREAST IMPLANTS AS A POTENTIAL STRATEGY FOR PREVENTION OF BIOFILM FORMATION AND CAPSULAR CONTRACTURE
Tamir Shay
- 14.50 NO ASSOCIATION BETWEEN PRESENCE OF BACTERIA AND CAPSULAR CONTRACTURE
Yara Bachour
- 15.00 PREDICTORS OF COMPLICATIONS AFTER ONE-STAGE IMPLANT BASED BREAST RECONSTRUCTION WITH AN ACELLULAR DERMAL MATRIX: RESULTS OF AN OPEN-LABEL, PHASE IV MULTICENTRE RANDOMISED CONTROLLED TRIAL
Vera Negenborn

15.10 HISTOPATHOLOGICAL EVALUATION OF NON-MESHED AND MESHED ACELLULAR DERMAL MATRICES FROM DIFFERENT MAMMALIAN SOURCES IN A PORCINE MODEL

Adi Maisel Lotan

15.20 READABILITY, COMPLEXITY, AND SUITABILITY OF ONLINE RESOURCES FOR MASTECTOMY AND LUMPECTOMY

Bao Ngoc Tran

15.30 Surgical treatment and reconstruction in women diagnosed with breast cancer: making registries talk; comparison between practices in USA and the Netherlands using big data

Parisa Kamali

15.40 The Dutch Breast Implant Registry (DBIR); the end of the beginning

Pauline Spronk

15.50 Anxiety, depression and secondary procedure rates after post-mastectomy breast reconstruction.

Renata Flecha-Hirsch

16.00-16.20 Coffee Break

16.20-18:30 Session 4 – *BREAST, Part 2*
Chairs
Salvatore D'Arpa – Belgium

- 16.20 A EUROPEAN SURVEY STUDY AMONGST PLASTIC AND BREAST SURGEONS ON THE USE OF/ AND ATTITUDE TOWARDS AUTOLOGOUS FAT GRAFTING WITH EMPHASIS ON RECONSTRUCTION OF THE FEMALE BREAST: PRELIMINARY RESULTS OF THE FIRST 211 RESPONDENTS
Jan-Willem Groen
- 16.30 AUTOLOGOUS FAT GRAFTING AFTER AUGMENTATION AND RECONSTRUCTION OF THE FEMALE BREAST; A EUROPEAN, CROSS-SECTIONAL PHOTO-COMPARISON STUDY AMONGST DIFFERENT PHYSICIAN-, AND PATIENT STUDY GROUPS
Jan-Willem Groen
- 16.40 ONCOLOGICAL SAFETY OF AUTOLOGOUS FAT TRANSFER IN BREAST RECONSTRUCTION: A SYSTEMATIC REVIEW AND META-ANALYSIS
Todor Krastev
- 16.50 THE PRO-TUMORIGENIC ROLE OF ADIPOSE PROGENITORS IS DEPENDENT ON GM-CSF DYSREGULATION IN BREAST CANCER
Francesca Reggiani
- 17.00 THE INFLUENCE OF NEOADJUVANT CHEMOTHERAPY ON COMPLICATIONS OF IMMEDIATE DEEP INFERIOR EPIGASTRIC ARTERY PERFORATOR (DIEP) FLAP BREAST RECONSTRUCTIONS
Jop Beugels
- 17.10 AN INNOVATIVE METHOD OF PLANNING AND DISPLAYING FLAP VOLUME DELINEATIONS ADDITIONAL TO PERFORATOR MAPPING TO ACHIEVE SYMMETRIC BREAST VOLUMES IN DIEP FLAP BREAST RECONSTRUCTIONS
Stefan Hummelink
- 17.20 THE DIEP V, A SIMPLE METHOD TO ASSESS THE VOLUME OF A DIEP FLAP
Sergio Razzano
- 17.30 DIEP-FLAP BREAST RECONSTRUCTION WITH NO DONOR SITE DRAINS (NDSD) AND THE USAGE OF TISSUGLU: OBSERVATIONAL STUDY OF 60 PATIENTS
Sonia Fertsch
- 17.40 COMPARING SENSATION OF COMMON DONOR SITE REGIONS FOR AUTOLOGOUS BREAST RECONSTRUCTION TO A HEALTHY BREAST
Anouk Cornelissen
- 17.50 COST ANALYSIS OF TWO STAGED IMPLANTS WITH ALLODERM AND DEEP INFERIOR EPIGASTRIC PERFORATOR FLAP AUTOLOGOUS RECONSTRUCTION
Bao Ngoc Tran

- 18.00-18.30 *Keynote lecture*
UMBERTO VERONESI – A MESSAGE FROM A SURGEON, A SCIENTIST AND A VISIONARY:
THE ONE WHO CHANGED BREAST SURGERY AND RECONSTRUCTIVE TECHNIQUES
Paolo Veronesi
- 18.30-19.00 EURAPS Research Council Business meeting
- 20.30 **6th EURAPS Research Council Dinner**
Hotel San Ranieri
Via Filippo Mazzei 2

Thursday 25 May

- 8.30-10.40 Session 5 – *OUTCOME/CLINICAL*
 Chairs
 Rene van der Hulst – The Netherlands
 Norbert Pallua – Germany
- 8.30 PORCINE MODEL FOR FLAP HARVESTING: THE DEEP SUPERIOR EPIGASTRIC ARTERY PERFORATOR (DSEAP) FLAP
Tiziana Roggio
- 8.35 THE PORCINE TRAINING MODEL FOR INTERNAL MAMMARY VESSELS HARVESTING: ANALYSIS AND COMPARISON WITH THE HUMAN MODEL
Marta Cajozzo
- 8.40 PARACRINE FACTORS FROM APOPTOTIC LEUKOCYTES IMPROVE FLAP SURVIVAL AND ANGIOGENESIS IN A RAT MODEL
Stefan Hacker
- 8.50 THE EFFECTS OF ILOPROST AND ISCHEMIC PRE-CONDITIONING ON MESENTERIC PERFUSION AND ISCHEMIA-REPERFUSION INJURY OF JEJUNAL FLAPS
Fatma Betul Tuncer
- 9.00 EVALUATION OF PHYSIOLOGIC, HISTOLOGIC AND BIOCHEMICAL EFFECTS OF INTRALUMINAL DEXTROSE INFUSION IN A RAT JEJUNUM FLAP ISCHEMIA REPERFUSION MODEL
Dogus Yalcin
- 9.10 EXTRACORPOREAL PERFUSION OF FREE RECTUS ABDOMINIS MUSCLE FLAPS: HISTIDINE-TRYPTOPHAN-KETOGLUTARATE VERSUS UNIVERSITY OF WISCONSIN PERFUSION FLUID
Anne Sophie Kruit
- 9.20 EXPERIMENTAL TRIDIMENSIONAL FREE SOFTWARE SETUP - EVALUATING HIS UTILITY IN DAILY SURGICAL ACTIVITIES
Leonardo Ioppolo
- 9.30 THE USE OF PRE-OPERATIVE CT-SCAN VARIABLES IN PREDICTING REHERNIATION RISK IN PATIENTS UNDERGOING LARGE VENTRAL HERNIA REPAIR USING THE COMPONENT SEPARATION TECHNIQUE
Nicholas Slater
- 9.40 VEGF-C AND LYMPH NODE TRANSFER AFTER AXILLARY LYMPH NODE REMOVAL – IMMUNOLOGICAL EFFECTS IN MICE
Pauliina Hartiala
- 9.50 SITES OF BASAL CELL CARCINOMAS AND HEAD AND NECK CONGENITAL CLEFTS: TOPOGRAPHIC CORRELATION
Giovanni Nicoletti

- 10.00 A SYSTEMATIC REVIEW OF PATIENT-REPORTED OUTCOME MEASURES FOLLOWING TRANSSEXUAL SURGERY
Mauro Barone
- 10.10 EFFECT OF CIGARETTE SMOKING ON FAT GRAFT SURVIVAL
Alp Ercan
- 10.20 ANTAGONIZATION OF WEIGHT-INCREASING SIDE EFFECTS - COMBINATION OF CLOZAPINE WITH IRISIN
Benedikt Schäfer
- 10.30 ADIPOGENIC FACTOR EXPRESSION IN LIPEDEMA ADIPOCYTES DIFFERS FROM CONTROL ADIPOSE STEM CELLS
Anna Linseisen
- 10.40-11.00 Coffee Break
- 11.00-12.30 Session 6 – *BURNS AND WOUND REPAIR*
Chairs
Benoit Hendrickx – Belgium
- 11.00 ROLE OF VITAMIN D IN CUTANEOUS WOUND HEALING: DIFFERENT EFFECTS ON HUMAN EPIDERMAL KERATINOCYTES AND DERMAL FIBROBLASTS
Jing Qin Tay
- 11.10 THE FATE OF SYSTEMIC AND LOCAL ADMINISTERED ADIPOSE-DERIVED MESENCHYMAL STROMAL CELLS TO MODULATE WOUND REPAIR
Karlien Kallmeyer
- 11.20 SUCCESSIVE RELEASE OF TISSUE INHIBITORS OF METALLOPROTEINASE 1 THROUGH GRAPHENE OXIDE BASED DELIVERY CAN PROMOTE SKIN REGENERATION
Qi Bao
- 11.30 THE EFFECT OF ADIPOSE DERIVED STROMAL VASCULAR FRACTION ON STASIS ZONE IN AN EXPERIMENTAL BURN MODEL
Atilla Adnan Eyüboğlu
- 11.40 PREVENTION OF BURN WOUND PROGRESSION BY MESENCHYMAL STEM CELL TRANSPLANTATION: DEEPER INSIGHTS INTO UNDERLYING MECHANISMS
Ozan Luay Abbas
- 11.50 BROMELAIN BASED ENZYMATIC ESCHAR REMOVAL: ASSIMILATION OF A NEW TECHNOLOGY BY A NATIONAL BURN CARE SYSTEM
Ilaria Mataro
- 12.00 APOPTOTIC PERIPHERAL MONONUCLEAR BLOOD CELL SECRETOME IMPROVES WOUND HEALING IN GENETICALLY DIABETIC DB/DB MICE
Denise Traxler

- 12.10 A NOVEL ROLE FOR THE ETS FAMILY TRANSCRIPTION FACTOR ERG IN HYPERTROPHIC SCARRING
Benjamin Way
- 12.20 EFFICACY OF LOCAL INFILTRATION OF A NEW COLLAGENESIS IN THE TREATMENT OF LOCALIZED
SUBCUTANEOUS HYPERTROPHIC FIBROSIS IN A NEW RAT MODEL: A CLINICAL AND HISTOLOGICAL
ANALYSIS
Letizia Senesi
- 12.30 2017 EURAPS Research Council Best Paper
Francesca De Lorenzi
- 12.40 Adjourn
Francesca De Lorenzi
- 13.00- 14.00 Lunch
- 14.00 EURAPS Meeting