



12th EURAPS Research Council Meeting

29/30 May 2024
Athens, Greece

08.00 REGISTRATION

08.30 WELCOME ADDRESS - D. DIONYSIOU, GREECE - ERC LOCAL HOST
N. PAPADOPOULOS, GREECE - EURAPS LOCAL HOST
J.J. VRANCKX, BELGIUM - EURAPS SECRETARY GENERAL

08.45 - 10.35 SESSION 1 - REGENERATIVE MEDICINE
MODERATORS: J. M. LASSO, SPAIN - R. SGARZANI, ITALY

- 08.45 HYPOXIA PRECONDITIONED SERUM (HPS) PROMOTES PROLIFERATION AND CHONDROGENIC PHENOTYPE OF CHONDROCYTES IN VITRO - **J. JIANG, GERMANY**
- 08.55 MIXED METAL OXIDE NANOPARTICLES FOR SEROMA PROPHYLAXIS: A SHORT-TERM COMPARATIVE STUDY IN RATS - **M. A. PAIS, SWITZERLAND**
- 09.05 SPIDER SILK-BASED TISSUE ENGINEERING OF CARTILAGE TISSUE: ESTABLISHMENT OF A NOVEL BIOREACTOR MODEL USING ADIPOSE DERIVED STEM CELLS
F. SCHLOTTMANN, GERMANY
- 09.15 ADIPEARL™, THE FIRST DERMAL SCAFFOLD ENABLING TO CREATE NEW ADIPOSE TISSUES: EVIDENCE COLLECTED IN THE SWINE MODEL - **J. WARY, SWITZERLAND**
- 09.25 INQUIRIES OF THE EFFECTIVENESS OF WHARTON'S JELLY DERIVE MESENCHYMAL STEM CELL CONDITIONED MEDIUM ON WOUND HEALING IN A BURN MODEL
N. MAJIDOV, TURKEY
- 09.35 HYPOIMMUNOGENIC FEATURES OF ADIPOSE STEM CELLS USING SPHEROID TECHNOLOGY FOR NERVE TISSUE ENGINEERING APPLICATIONS
M. A. MAYTAIN, SWITZERLAND
- 09.45 THE EFFECT OF DEFEROXAMINE ON SURGICAL DELAY TIME - **E. HOC AOĞLU, TURKEY**
- 09.55 STROMAL VASCULAR FRACTION (SVF) RELIEVES SYMPTOMS OF CARPOMETACARPAL I OSTEOARTROSIS (OA) - PRELIMINARY REPORT OF RANDOMIZED CONTROLLED TRIAL (RCT)
S. KAUFANEN, FINLAND
- 10.05 THE DERMAL SKIN SUBSTITUTE IN THE CHICKEN EGG: NEW INSIGHTS INTO OPTIMIZED VASCULARIZATION - **F. SCHLOTTMANN, GERMANY**
- 10.15 GLUCOSE METABOLISM OF FREE WHITE ADIPOSE TISSUE FAT GRAFTS CHANGES TOWARDS BEIGE ADIPOSE TISSUE IN HUMANS - **E. HOPPELA, FINLAND**
- 10.25 GEOMETRIC RECONSTRUCTION OF CARTILAGE TISSUE USING MESENCHYMAL STEM CELLS AND ELECTROMECHANICAL SHAPING: EXPERIMENTAL STUDY
C. B. ARIKAN, TURKEY

10.35 - 11.00 COFFEE BREAK

11.00 - 11.20 KEYNOTE LECTURE
INTRODUCTION: **E. DEMIRI, GREECE**
LYMPHEDEMA RESEARCH - **A. SAARIKO, FINLAND**

11.20 - 12.50 SESSION 2 - MICRO NERVE GENERAL
MODERATORS: **S. KAUHANEN, FINLAND - B. LONGO, ITALY**

11.20 RANDOMIZED CONTROLLED TRIAL: ACQUISITION OF BASIC MICROSURGICAL SKILLS THROUGH SMARTPHONE TRAINING MODEL - **M. DE FRÉ, BELGIUM**

11.30 EVALUATION OF A SURGICAL ADHESIVE FOR THE PERFORMANCE OF ARTERIAL MICROANASTOMOSES: IMPACT IN THE FLOW AND ANATOMY OF VESSELS GREATER THAN 1 MM AND LESSER THAN 1 MM - **J. M. LASSO, SPAIN**

11.40 NERVE TRANSFER BRACHIALIS BRANCH TO ANTERIOR INTEROSSEOUS NERVE: DOES IT WORK? - **O. POLITIKOU, SWITZERLAND**

11.50 REVERSE END-TO-SIDE NEUROTIZATION: COMPARISON OF AXONAL DISTRIBUTION IN INTACT AND REGENERATING NERVES. OUR ANIMAL MODEL AND PRELIMINARY RESULTS - **L. HARNONCOURT, AUSTRIA**

12.00 3D HEAD-MOUNT MICROSCOPIC VISUALISATION SYSTEM VERSUS THE OPERATING MICROSCOPE: A NON-INFERIORITY TRIAL - **G. PAFITANIS, UNITED KINGDOM**

12.10 OPTIMIZING RECONSTRUCTIVE MICROSURGERY EDUCATION: A PRACTICAL APPROACH USING THE PORCINE THIGH MODEL - **B. SRBOV, NORTH MACEDONIA**

12.20 FIBRIN SEALANTS AS AN ALTERNATIVE TREATMENT IN BURN INJURY: AN EXPERIMENTAL RESEARCH - **C. NIKOLAOU, GREECE**

12.30 STUDY OF MOLECULAR-GENETIC PROFILES OF CUTANEOUS SQUAMOUS CELL CARCINOMA WITH DIFFERENT PATTERNS OF CLINICAL AGGRESSION - **M. RODIO, ITALY**

12.40 GROWING PAINS TO COLLABORATIVE GAINS: A LONGITUDINAL EVALUATION OF A MULTIDECADE CLINICAL RESEARCH PROGRAM - **J. EWING, UNITED STATES**

12.50 - 13.50 LUNCH BREAK

13.50 - 14.10 KEYNOTE LECTURE
INTRODUCTION: **D. DIONYSIOU, GREECE**
RESEARCH IN BIONIC LIMBS - **O. ASZMANN, AUSTRIA**

14.10 - 15.15

SESSION 3 - SHORT INTERESTING CASES

MODERATORS: G. GIATSIDIS, UNITED STATES - D. WOLFRAM-RAUNICHER, AUSTRIA

- 14.10 ASSESSING SURGICAL COMPLICATIONS IN PATIENTS UNDERGOING LOWER BODY LIFT AND ABDOMINOPLASTY AFTER MASSIVE WEIGHT LOSS - **M. ALBUQUERQUE, PORTUGAL**
- 14.15 IMPACT OF BODY CONTOURING SURGERY ON THE QUALITY OF LIFE OF PATIENTS WITH MASSIVE WEIGHT LOSS - **B. CAVADAS, PORTUGAL**
- 14.20 HARLEQUIN ICTHYOSIS: SURGICAL APPROACH TO A SEVERE CLINICAL CASE. CASE REPORT. **C. GELATI, ITALY**
- 14.25 INVESTIGATING PATIENT DECISION AIDS FOR BREAST RECONSTRUCTION: A COMPREHENSIVE ANALYSIS - **B. DI PACE, ITALY**
- 14.30 AMBULATORY BREAST RECONSTRUCTION SURGERY - **B. CAVADAS, PORTUGAL**
- 14.35 THE IMPACT OF PLASTIC SURGERY TRAINING IN REDUCTION MAMMOPLASTY PROCEDURES: A COMPARATIVE STUDY - **I. SALTVEG, SWEDEN**
- 14.40 BREAST IMPLANT ILLNESS: A HISTOPATHOLOGICAL STUDY - **M. PATZELT, CZECH REPUBLIC**
- 14.45 A NOVEL TREATMENT FOR SPINAL CORD INJURY USING STACKED HYDROGELS TO SUPPORT STROMAL VASCULAR FRACTION CELLS - **S. MAGNI, SWITZERLAND**
- 14.50 INFLUENCE OF SMALL-VOLUME LIPOSUCTION ON METABOLIC SYNDROME CONDITIONS, A PROSPECTIVE STUDY OF 12 PATIENTS - **J. PAYER, CZECH REPUBLIC**
- 14.55 INVESTIGATING THE ROLE OF METRNL IN THE INJURY RESPONSE FOLLOWING FINGERTIP AMPUTATION - **N. DASTAGIR, GERMANY**
- 15.00 AUTOMATIC MOTION ANALYSIS OF LUNATE TYPE I AND II HEALTHY WRISTS USING DYNAMIC CT IMAGING - **M. HAENEN, THE NETHERLANDS**
- 15.05 AMNION MEMBRANE ASSISTED BILE DUCT ANASTOMOSIS - **V. MAMMADOV, TURKEY**
- 15.10 EVALUATION OF RESENSIBILIZATION IN FLAPS CONTAINING SENSORY NERVES IN THE ANIMAL MODEL- A SYSTEMATIC REVIEW AND META-ANALYSIS - **P. ENGELS, SWITZERLAND**

15.15 - 15.40 **COFFEE BREAK**

15.40 - 17.00 SESSION 4 - SOCIAL AESTHETIC BREAST

MODERATORS: N. ROCHE, BELGIUM - S. TUNCER, TURKEY

- 15.40 QUANTIFACE - A NOVEL OPEN-SOURCE COMPUTATIONAL TOOL TO ASSESS AND MONITOR FACIAL PARALYSIS: A PILOT STUDY - **R. UPADHYAYA, UNITED STATES**
- 15.50 COMPARISON OF POLYPROPYLENE AND POLYDIOXANONE IN THE HEMITRANSDOMAL SUTURE: A NOVEL RABBIT EAR CARTILAGE MODEL - **A. I. ERDAL, TURKEY**
- 16.00 THE REGIONAL DISPARITY AFFECTING EQUITABLE ACCESS TO GENDER AFFIRMING SURGERY: SOCIAL MEDIA USE AMONG PLASTIC SURGEONS - **A. H. JAHROMI, UNITED STATES**
- 16.10 ASSESSING RACIAL AND ETHNIC DISPARITIES OF THE PLASTIC SURGERY RESEARCH HUMAN CAPITAL IN THE US: A COMPARATIVE, BIG DATA STUDY USING WEB-SCRAPING, ARTIFICIAL INTELLIGENCE - **G. KARAMITROS, GREECE**
- 16.20 WOMEN REPRESENTATION IN PLASTIC SURGERY ACROSS THE GLOBE: A CROSS-SECTIONAL STUDY OF HUMAN CAPITAL AND RESEARCH OUTPUT USING ARTIFICIAL INTELLIGENCE
G. KARAMITROS, GREECE
- 16.30 SILICONE LEAKAGE FROM BREAST IMPLANTS IS DETERMINED BY SILICONE COHESIVENESS: A HISTOLOGICAL STUDY OF 493 PATIENTS - **A. LARSEN, DENMARK**
- 16.40 SURFACE TOPOGRAPHY, MICROBIAL ADHESION, AND IMMUNE RESPONSES IN SILICONE MAMMARY IMPLANT-ASSOCIATED CAPSULAR FIBROSIS - **D. WOLFRAM-RAUNICHER, AUSTRIA**
- 16.50 A COMPARISON BETWEEN IMMEDIATE-DELAYED VERSUS DELAYED AUTOLOGOUS BREAST RECONSTRUCTION USING DIEP FLAPS - **D. DE COCK, BELGIUM**

17.00 - 18.30 ERC COUNCIL MEETING

20.00 ERC DINNER

08.30 - 10.20 SESSION 5 - MISCELLANEOUS 1

MODERATORS: K. TZAFETTA, UNITED KINGDOM - B. SAÇAK, TURKEY

- 08.30 MAXIMIZING VASCULARIZED COMPOSITE ALLOGRAFT SURVIVAL BY ONLY TARGETING LOCAL IMMUNE RESPONSE WITHOUT IMPAIRING THE HOST'S IMMUNE SYSTEM
I. ARENAS HOYOS, SWITZERLAND
- 08.40 BONE REGENERATIVE EFFECT OF INJECTABLE HYPOXIA PRECONDITIONED SERUM-FIBRIN (HPS-F) IN AN EX VIVO ORGANOTYPIC BONE DEFECT MODEL - **L. RÖPER, GERMANY**
- 08.50 THE COMBINED EFFECT OF INTRAVENOUS AND TOPICAL TRANEXAMIC ACID IN LIPOSUCTION: A RANDOMIZED DOUBLE-BLINDED CONTROLLED TRIAL - **M. FRANZA, ITALY**
- 09.00 PLATELET-RICH PLASMA: A PROMISING BIOSCAFFOLD FOR ENHANCING PERIPHERAL NERVE REGENERATION - **S. TUSHEVA, NORTH MACEDONIA**
- 09.10 ISOLATING SATELLITE CELLS FROM ADULT MUSCLE TISSUE OF BODY DONORS
F. J. JAKLIN, AUSTRIA
- 09.20 ANORECTAL TRANSPLANTATION: THE FIRST LONG-TERM SUCCESS IN A CANINE MODEL
J. ARAKI, JAPAN
- 09.30 CONTINUOUS NPWT MODULATES THE PRO-FIBROTIC YAP/TAZ PATHWAY IN MURINE DIABETIC WOUND HEALING - **A. PANAYI, GERMANY**
- 09.40 HUMAN SPHEROIDS FROM ADIPOSE-DERIVED STEM CELLS (SASCS) ON IN-VIVO HIND-LIMB VASCULAR COMPOSITE ALLOTRANSPLANTATION: CAN THEY PREVENT REJECTION?
M. FRANZA, ITALY
- 09.50 CARTILAGE TISSUE ENGINEERING FOR FACIAL RECONSTRUCTION: ELUCIDATING THE BIOLOGICAL IMPACT OF A NANOCELLULOSE-BASED BIO-INK FOR EXTRUSION-BASED 3D-BIOPRINTING - **C. DE COURCEY, UNITED KINGDOM**
- 10.00 HOW PORCINE ACELLULAR DERMAL MATRIX INFLUENCES THE DEVELOPMENT OF THE BREAST CAPSULE ONE-YEAR AFTER IMPLANTATION: A HISTOPATHOLOGICAL ANALYSIS
V. CAZZATO, ITALY
- 10.10 CRYOPRESERVATION OF NANOFAT PRESERVES CELL VIABILITY AND REGENERATIVE CAPACITY FOR WOUND HEALING - **E. LIMIDO, GERMANY**

10.20 - 10.45 COFFEE BREAK

10.45 - 12.25 SESSION 6 - MISCELANEOUS 2

MODERATORS: E. LYKOUDIS, GREECE - D. KALBERMATTEN, SWITZERLAND

- 10.45 A NOVEL APPROACH FOR THE PREVENTION OF BIOFILM FORMATION ON VARIOUS BREAST IMPLANT SURFACES: BACTERIOPHAGE THERAPY - **O. KARASU, TURKEY**
- 10.55 ANTI-CTLA4 IMMUNOMODULATION CAN SIGNIFICANTLY REDUCE LYMPHEDEMA DEVELOPMENT BY INCREASING TREG-MEDIATED IMMUNOSUPPRESSION
E. GOUSOPOULOS, SWITZERLAND
- 11.05 PERIOPERATIVE INTERMITTENT FASTING PROTECTS ISCHEMIC MUSCULOCUTANEOUS FLAP TISSUE FROM NECROSIS - **A. WEINZIERL, SWITZERLAND**
- 11.15 RECONSTRUCTION OF THE FACIAL NERVE IN PIGS WITH FACIAL NERVE ALLOGRAFTS WRAPPED IN A FIBRIN SCAFFOLD CONTAINING FIBROBLASTS TRANSDUCED WITH ADENOVIRUS ENCODING VEGF 156 - **Á. G. CAÑAL, SPAIN**
- 11.25 OSTEO-CUTANEOUS PERFORATOR FREE FLAP ON A MURINE MODEL BY TISSUE ENGINEERING FOR MANDIBLE INTERRUPTING BONE DEFECTS RECONSTRUCTION
U. LANCIEU, FRANCE
- 11.35 COMPARISON OF CROMOLYN SODIUM, MONTELUKAST, AND ZAFIRLUKAST PROPHYLAXIS FOR CAPSULAR CONTRACTURE - **F. D. MENKÜ ÖZDEMİR, TURKEY**
- 11.45 NANOFAT EFFECTIVELY ACCELERATES VASCULARIZATION AND HEALING OF FULL-THICKNESS SKIN WOUNDS - **F. BONOMI, GERMANY**
- 11.55 LYMPHATIC BRAIN DECONGESTION IN ALZHEIMER'S DISEASE (AD): EXPERIMENTAL PILOT STUDY - **A. TOPALIS, GREECE**
- 12.05 THE EFFECT OF HOST TISSUE AND RADIATION ON FAT GRAFT SURVIVAL: A COMPARATIVE EXPERIMENTAL STUDY - **A. TSIMPONIS, GREECE**
- 12.15 THE EFFECT OF ADIPOSE-DERIVED STEM CELL ON EACH BREAST CANCER SUBTYPE
S. KIM, KOREA
- 12.25 **ADJOURNMENT**
- 12.35 - 13.00 **YOUNG PLASTIC SURGEONS SCHOLARSHIP AWARDEES REPORT**

NOTES

NOTES



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