



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. KAUHANEN, 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. LANCIEN, 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**



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