

RMOS | REGENERATIVE
MEDICINE
ORTHOPAEDIC SOCIETY

3rd REGENERATIVE MEDICINE ORTHOPAEDIC SUMMIT



FROM 30 NOVEMBER
TO 02 DECEMBER

2023



ISTANBUL
TÜRKİYE



VENUE
swissôtel THE BOSPHORUS
ISTANBUL



**PROGRAM AT A
GLANCE**

SCIENTIFIC PROGRAMME

30 NOVEMBER 2023, THURSDAY


12:00-13:30	REGISTRATION
13:30-13:45	Opening Remarks: The Vision of RMOS - Tahsin Beyzadeoglu
SESSION 1	INSIDE THE BONE & JOINT: ON THE SHOULDER OF FOUNDATIONS Moderators: Alan Ivkovic, Lucienne Vonk
13:45-14:00	Structure & Function of the ON Foundation - Emmanuel Papakostas
14:00-14:15	Experimental Translational Research & Regeneration Protocols: Vision & Challenges - Apostolos Papalois
14:15-14:30	Biomechanics of Fracture Repair - Ivan Zderic
14:30-14:45	Evaluating Synovial Fluid by Omix Technology: Where Are We Now? Feza Korkusuz
14:45-15:00	Stem Cell Exosome-Nanocomposite Based Therapies for Targeted Bone Regeneration: Are We Ready for Translation? - Petek Korkusuz
15:00-15:15	Discussion
SESSION 2	PROGENITOR CELL BIOLOGY ACADEMY: INSIGHT FROM THE LABS Moderators: Fabio Sciarretta, Petek Korkusuz
15:15-15:30	Poly NIPPAm-Immobilized Microporous Microsphere as Cell Carrier for Bone Marrow MSCs Proliferation - Feng-Huei Lin
15:30-15:45	Synovioblast in Polyclonal Therapy: New Approach to Knee Cartilage Regeneration - Dusan Maric
15:45-16:00	Improving Cartilage Regeneration Through Enhanced Healing Mechanisms: Basic Science & Clinical Progress - Dzihan Abazovic
16:00-16:15	The Use of Novel Advances in Machine Energy Modalities to Condition Stem Cells & Augment Regenerative Procedures - Rowan Paul
16:15-16:30	Discussion
16:30-17:00	COFFEE BREAK
SESSION 3	EXOSOME ACADEMY: FROM LABS TO CLINICAL APPLICATIONS Moderators: James Loh, Ramon Cugat
17:00-17:15	Pre-clinical Evidence of MSC Derived Exosomes - Lucienne Vonk
17:15-17:30	MSCs & Exosomes for Systemic Treatment of Inflammation Nesrin Ercelen
17:30-17:45	Exosomes & Regenerative Visual Studio Code.app e Medicine: A Practical Guide - Pradeep Albert
17:45-18:00	The Role of Exosomes in Cartilage Defects - Gokhan Meric
18:00-18:15	Exosomes 2024 - Stephen Abelow
18:15-18:30	Discussion

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1 DECEMBER 2023, FRIDAY

07:00-08:00	COFFEE & LIGHT BREAKFAST SERVICE
SESSION 4	MENISCUS ACADEMY: UPDATED MENISCAL REPAIR, RECONSTRUCTION & AUGMENTATION TECHNIQUES Moderators: Robert Smigielski, Michael Iosifidis
08:00-08:15	Meniscus Root Tears: Diagnosis & Treatment Panagiotis Kouloumentas
08:15-08:30	Meniscal Repair in Patients Over 40 Years Old Horacio Rivarola Etcheto
08:30-08:45	Treatment of Meniscal Variations - Ahmet Atay
08:45-09:00	Meniscus Transplantation with Autogenous Hamstring Graft Engin Cetinkaya
09:00-09:15	Meniscal Allograft Transplantation - Theofylaktos Kyriakidis
09:15-09:30	Scaffolds in Meniscus Repair: Indications & Long-term Results Konrad Slynarski
09:30-09:45	Discussion
09:45-10:05	COFFEE BREAK
SESSION 5	ACL ACADEMY: IMPROVING SURGICAL OUTCOMES FOR REPAIR & AUGMENTATION & RECONSTRUCTION Moderators: Reha Tandogan, Alberto Gobbi
10:05-10:20	ACL Repair, Augmentation vs. Reconstruction - Alessandro Lelli
10:20-10:35	Primary ACL Repair: Lesson Learned - Umer Butt
10:35-10:50	Biological Boost for ACL Reconstruction & Mechanical Enhancement of ACL Repair - Damir Hudetz
10:50-11:05	Lateral Augmentation: An Approach & Preference - James Loh
11:05-11:20	Biological Advantages "Ribbon" ACL Reconstruction Technique Robert Smigielski
11:20-11:35	ACL Reconstruction & Osteoarthritis - Christos Papageorgiou
11:35-11:50	Discussion

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SESSION 6	CARTILAGE ACADEMY I: DIFFERENT OPTIONS FOR CARTILAGE REPAIR Moderators: Dzihan Abazovic, Feza Korkusuz
11:50-12:05	Injections in OA of the Knee - Vasilis Chouliaras
12:05-12:20	Scaffold for Cartilage Repair: With or Without Cells? - Hassan Zmerly
12:20-12:35	One-stage ACL with CartiONE - Emmanuel Papakostas
12:35-12:50	Early Knee Osteoarthritis: Arthroscopic Regenerative Treatment Using Umbilical Cord MSCs - Boguslaw Sadlik
12:50-13:05	BMAC for the Treatment of Bone Marrow Lesions - Alan Ivkovic
13:05-13:20	The Athletic Knee in 2023: A Patient-centered Regenerative Rehabilitation Approach - John Nyland
13:20-13:30	Discussion
13:30-14:30	 LUNCH SYMPOSIUM Treating the Synovial Membrane with Arthroamid: My Experience for the First 100 Patients - Paul YF Lee
SESSION 7	CARTILAGE ACADEMY II: ON THE SHOULDER OF GIANTS Moderators: Konrad Slynarski, Stephen Abelow
14:30-14:45	One-stage Cartilage Repair Using a Hyaluronic Acid-Based Scaffold with Adipose-derived MSCs - Fabio Sciarretta
14:45-15:00	Mosaicplasty Long-term Results: Systematic Review of 15-years Plus Cases - Laszlo Hangody
15:00-15:15	Treatment of Cartilage Lesions with Fat-derived MSCs Isik Akgun
15:15-15:30	Cartilage Surgeon - Bashir Ahmed Zikria
15:30-15:45	Autologous PRP & Minced Cartilage Mesh for Cartilage Defects Ramon Cugat
15:45-16:00	Cartilage Lesions Accompanying Patellofemoral Instability Reha Tandogan
16:00-16:15	My 25-years Experience in Cartilage Transplantation - Alberto Gobbi
16:15-16:30	Discussion
16:30-16:50	COFFEE BREAK

SESSION 8

(SALOON 1) FREE PAPERS (JOINT PRESERVATION & MUSCULOSKELETAL REGENERATION)

16:50-18:58

Moderators: **Spiros Plessas, Damir Hudetz**

16:50

0-01 Radiological and Clinical Results of Medial Collateral Ligament Release in Addition to Arthroscopic Debridement in Patients with Varus Deformity and Stage 2/3 Gonarthrosis
[Bulent Kilic](#), [Yunus Elmas](#), [Orhun Celik](#), [Avni Tan](#), [Sefa Parlak](#)

16:58

0-02 Are the Biological and Biomechanical Properties of Meniscal Scaffolds Reflected in Clinical Practice? A Systematic Review of the Literature - [Disha Singhanian](#), [Chanuka D. S. Ranmuthu](#), [Charindu K. I. Ranmuthu](#), [Jodie C. Russell](#), [Wasim S. Khan](#)

17:06

0-03 Evaluating the Effect of Non-cellular Bioactive Glass-Containing Scaffolds on Osteogenesis and Angiogenesis in in vivo Animal Bone Defect Models - [Disha Singhanian](#), [Chanuka D. S. Ranmuthu](#), [Charindu K. I. Ranmuthu](#), [Jodie C. Russell](#), [Wasim S. Khan](#)

17:14

0-04 Management of Infection, Wound Tissue Problems and Graft Failure after Repaired Achilles Tendon Rupture, Reconstruction and Supporting with PRP - [Doğan Kural](#), [Abdurrahman Vural](#), [Tamer Atan](#), [Hüseyin Gökhan Karahan](#), [Egemen Ayhan](#)

17:22

0-05 A Simplified Finite Element Analysis Model for Studying Talar Osteochondral Defects - [Emre Özmen](#), [Emre Kocazeybek](#)

17:30

0-06 Arthroscopic Fixation of Posterior Cruciate Ligament (PCL) Tibia Avulsion Fractures: Pull and Press Technique and Case Series
[Tan I-Ling Grace](#), [Loh Sir-Young James](#), [Siti Mastura Binte Rahim](#)

17:38

0-07 Ultrasound - Guided Dry Needling vs Ultrasound - Guided Dry Needling Augmented with Platelet-Rich Plasma (PRP) Injection for the Treatment of Lateral Epicondylitis of the Elbow. A Randomized Control Study - [I. Tzelliios](#), [K. Dimos](#), [M. Stavrakis](#), [E. Pakos](#)

17:46

0-08 Ultrasound-Guided Injection of Platelet-Rich Plasma for Treatment of Osteoarthritis of the Hip: A 1 Year Follow Up Retrospective Study on Pain, Function and Safety - [Lazaros Kostretzis](#), [Stavros Triantafyllou](#), [Panagiotis Konstantinou](#), [Triantafyllos Katsimentzas](#), [Alexandros Nenopoulos](#), [Konstantinos Ditsios](#), [Pericles Papadopoulos](#)

17:54

0-09 The Effect of Wharton Jelly Derived Mesenchymal Stem Cells and Exosomes for Cartilage Regeneration and Combination with Hyaluronic Acid - [Olçay Eren](#), [Gökhan Meriç](#), [Aylin Yaba Uçar](#), [Burak Çağrı Aksu](#), [Koray Başdelioğlu](#), [Utku Ateş](#)


18:02

0-10 Comparison of the Effects of Different Osteotomy Methods on Union of Rat Femurs - [Rasit Emin Dalaslan](#), [Mehmet Arican](#), [Zekeriya Okan Karaduman](#)

18:10

0-11 Proximal Tibiofibular Joint Stability: Treatment Over the Years
[Siti Mastura Binte Rahim](#), [Tan I- Grace](#), [Loh Sir-Young James](#)

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18:18	0-12 Fulkerson Osteotomy Effect on Knee Joint Position Sense, Gait Kinematics, and Functional Level - Furkan Berkay Yilmaz , Onur Cetin , Tahsin Beyzadeoglu
18:26	0-13 A Simple and Practical Method to Determine Amount of Rotation in Femoral Midshaft Derotational Osteotomy: Geometric Arc and Chord Formulas - Samir Ilgaroglu , Abdul Veli Ismailoglu , Ziya Shammadli
18:34	0-14 Prospective Study on Autologous Adipose Tissue-Derived Stromal-Vascular Fraction Plus Microfractures vs. Isolated Adipose SVF in Stage II-III Gonarthrosis: Clinical and Radiological Outcomes Mehmet Yağız Yenigün , Ömer Naci Ergin , Albert Çakar
18:42	0-15 Clinical Efficiency of Arthroscopy Assisted PRGF Membrane Treatment for Large Osteochondral Defects of the Knee Özgür Başal , Erika Nestasio , Mahmut Nedim Doral
18:50	0-16 Bilateral Knee Dislocations with Multiligament Injuries: Primary Repair or Reconstruction? - Abdurrahman Vural , Doğan Kırıl , Bedirhan Tatlıdil , Hüseyin Gökhan Karahan
17:00-18:30	 (SALOON 2): HANDS-ON WORKSHOPS Ultrasound Guided Percutaneous Needle Tenotomy Using the TENEX System Instructor: Rowan V. Paul

2 DECEMBER 2023, SATURDAY

07:00-08:00	COFFEE & LIGHT BREAKFAST SERVICE
SESSION 9	SPORTS MEDICINE & MISCELLANEOUS Moderators: Rowan Paul , Horacio Rivarola Etcheto
08:00-08:15	Long-term Perspective for Tissue Regeneration: MFAT Cryopreservation, When the Cure is in the Ice - Carlo Ventura
08:15-08:30	Regenerative Medicine Applications in Athlete's Knee - Alper Kaya
08:30-08:45	Utilizing Platelet-Rich Fibrin (PRF) in the Arthroscopic Treatment of Osteochondral Talar Lesions - Nikolai Dimitrov
08:45-09:00	Is There a Place for MSCs Surgical Implantation in Knee OA? Trifon Totlis
09:00-09:15	Chronic Damage & Early OA in Athletes: What Happens in the Long Term? - Michael Iosifidis
09:15-09:30	Can We Apply the Neurocognitive Concept in Rehabilitation after Regenerative Orthopaedic Surgery? - Georgios Kakavas
09:30-09:45	Discussion
09:45-10:05	COFFEE BREAK

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SESSION 10	SHOULDER ACADEMY: ORTHOBIOLOGICS IN CUFF REPAIR & RECONSTRUCTION Moderators: Ahmet Atay, Bashir Ahmed Zikria
10:05-10:20	The Effect of PRP Application on Rotator Cuff Tear Pericles Papadopoulos
10:20-10:35	Rotator Cuff Repair in Massive Tears - Roshan Wade
10:35-10:50	Superior Capsular Reconstruction - Raffaele Garofalo
10:50-11:05	Biceps tenodesis as a Scaffold for Massive Rotator Cuff Injury Treatment: A Non-invasive Alternative to SCR Francesco Franceschi
11:05-11:20	Non-arthroplasty Treatment in Shoulder Arthritis - Gazi Huri
11:20-11:30	Discussion
SESSION 11	HIP ACADEMY: PRESERVATION OF THE HIP JOINT Moderators: Georgios Skarpas, Ramazan Akmese
11:30-11:45	The Role of Intraarticular Injections in Early Hip Osteoarthritis Georgios Skarpas
11:45-12:00	The Role of Regenerative Medicine in Hip Arthroscopy Athanasios Papavasileiou
12:00-12:15	Arthroscopic Labral Repair vs. Reconstruction: When & How? Ramazan Akmese
12:15-12:30	Future of Hip Labrum Preservation: Orthobiology & Synthetic Options Tahsin Beyzadeoglu
12:30-12:45	The Limits of Hip Preservation - Vikas Khanduja
12:45-13:00	Discussion
13:00-14:15	LUNCH
14:15-14:30	END OF MEETING & FAREWELL



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4th REGENERATIVE MEDICINE ORTHOPAEDIC SUMMIT



FROM 12 DECEMBER
TO 14 DECEMBER

2024



**MIAMI, FL
USA**

