Next Generation Medicine 2026

Future of Longevity

Program Agenda

7th to 10th November 2026

Atlantis The Royal, Dubai, UAE



Day 1

The New Discipline: Standards, Safety, and the 2030 Clinic

7TH November 2026

Day 1 - The New Discipline: Standards, Safety, and the 2030 Clinic

Theme: From Evidence to Adoption: Building the Clinic of 2030 Today.

Main Congress Ballroom (Diamond), Atlantis The Royal

Moderator: Dr Saba Habibollah

9:00 AM – 9:45 AM

STANDARDS KEYNOTE

From Bench to Bedside 2030: How Emerging Regenerative Modalities Will Reshape Real-World Clinical Practice

MR AMAR OSMAN BASHIR SULIEMAN
Healthcare Vision Realization| Policy |Strategy, and Growth Leader and Executive

9:45 AM – 10:30 AM

Regeneration Under the Microscope: Emerging Regulatory Frameworks for Advanced and Regenerative Therapies

DR SHAHRUKH HASHMI
Division Director, Research and Development, DOH

10:30 AM –11:00 AM

COFFEE & EXHIBITION

11:00 am –11:30 AM

GRAND OPENING, CHAIRMAN ADDRESS (DR JAFFER KHAN) & WELCOME NOTE

Moderator: Dr Samar Habibullah

11:30 AM – 12:00 PM

VISION KEYNOTE

Medicine 3.0: Shift from population risk to AI-driven digital twins for personalized care

MR PHILIPPE GERWILL
DIGITAL HEALTHCARE HUMANIST & FUTURIST
HEALTHCARE AI & METAVERSE KOL

12:00 PM – 12:25 PM

SPOTLIGHT

How to design, run, and future-proof a next-gen longevity/regenerative clinic

PROF. DOMINIK THOR
PRESIDENT OF GENEVA COLLEGE OF LONGEVITY SCIENCE, PROFESSOR OF PHARMACY
VISITING PROFESSOR CAROL DAVILA UNIVERSITY OF MEDICINE & PHARMACY

12:25 PM - 12:50 PM

TREND SPOTLIGHT

Global trends linking research innovation and investment in 2026

MS ROKSANA CIURYSEK-GEDIR
CHAIR OF THERME FUTURE AND MEMBER OF THE THERMA GROUP STRATEGY BOARD

12:50 PM - 13:15 PM

From Scientific Breakthrough to Clinical Reality: Translating Regenerative Innovation into Next-Generation Therapeutics

MR STANLEY KIM
SERIAL ENTREPRENEUR AND CEO & CO-FOUNDER OF WINSANTOR

13:15 PM – 14:15 PM

NETWORKING LUNCH

TRACK A

Theme: Data to Decisions: Digital twins, RWE, Quality Metrics for Longevity Service Lines

Main Congress Ballroom (Diamond), Atlantis The Royal

Moderator: Mr Philippe Gerwill

14:15 PM – 14:45 PM

From Patient Data to AI-Powered Digital Twins: Predicting Disease Trajectories & Simulating Interventions Before They Reach the Clinic

MR PHILIPPE GERWILL
DIGITAL HEALTHCARE HUMANIST & FUTURIST
HEALTHCARE AI & METAVERSE KOL

14:45 PM – 15:15 PM

Agentic AI-powered Evidence-Based Medicine for Regenerative Care

PROF. SHAFI AHMED
SURGEON, FUTURIST, INNOVATOR, ENTREPRENEUR, HUMANITARIAN
& INTERNATIONAL KEYNOTE SPEAKER

15:15 PM – 15:45 PM

Autonomous Clinics: AI Decision Support, Automation, and the Ethics of Algorithmic Medicine

DR MAZIN GADIR
DIRECTOR, HEALTHCARE & LIFE SCIENCES, ALVAREZ & MARSAL (DUBAI)
DIGITAL HEALTH EXPERT IN WHO DIGITAL HEALTH TECHNICAL ADVISORY GROUP AND ROSTER OF EXPERTS

15:45 PM- 16:30 PM

PANEL DISCUSSION

Intelligence at the Bedside: How AI is Redefining Clinical Decision-Making and the Future of Longevity Care

MODERATOR:
MR PHILIPPE GERWILL

PANELLISTS:
DR MAZIN GADIR; PROF. SHAFI AHMED; MR SAKTHI VISAKAN; DR ANMOL KAPOOR

TRACK B — Theme: Regenerative Ophthalmology

Topaz Meeting Room, Atlantis The Royal Conference Centre

Moderator: Dr Qasem Qasim

14:15 PM – 14:45 PM

Corneal Regeneration & Cellular Therapy: from stem cell sheets to exosome enhanced transplants for burns and trauma

PROF. SAJJAD AHMAD
CONSULTANT OPHTHALMOLOGIST & PROFESSOR OF CORNEAL REGENERATION,
MOORFIELDS EYE HOSPITAL / UCL

14:45 PM – 15:15 PM

Retinal Restoration Strategies: Understanding photoreceptor dysfunction to prevent visual loss

DR ROLY MEGAW
CONSULTANT OPHTHALMOLOGIST IN NHS LOTHIAN
SENIOR CLINICAL LECTURER AT THE UNIVERSITY OF EDINBURGH

15:15 PM – 15:45 PM

ONLINE SESSION

From Degeneration to Restoration: Cutting-Edge Approaches in Retinal Repair Science

PROF. HENRY KLASSEN MD, PHD
PROFESSOR AT UC IRVINE
FOUNDER OF JCYTE, INC.

15:45 PM- 16:30 PM

PANEL DISCUSSION

From Repair to Regeneration: What Will Transform Ophthalmology in the Next Decade

MODERATOR:
DR QASEM QASIM

PANELLISTS:
DR ROLY MEGAW; PROF. SAJJAD AHMAD

16:30 PM – 17:00 PM

COFFEE & EXHIBITION

17:00 PM – 18:00 PM

INVESTOR & INNOVATOR PANEL

Main Congress Ballroom (Diamond), Atlantis The Royal

A focused session bringing together leading investors and breakthrough innovators to discuss emerging opportunities, strategic collaborations, and future directions in longevity, regenerative, and precision health.

MODERATOR:
MR TARIQ QUREISHY

PANELLISTS:
MR ALEX ALIPER; DR ANMOL KAPOOR; DR JAFFER KHAN; MR ALEX ZAGREBELNY

18:00 PM- 20:00 PM

ARRIVAL COCKTAIL (SUNSET SPEAKER-ONLY NETWORKING)

DIAMOND BALLROOM TERRACE (OUTDOOR)



Day 2

Healthy Longevity: Therapeutics, Trials & Real-World Outcomes

8TH November 2026

Theme: Healthy Longevity: Therapeutics, Trials and Real-World Outcomes

Main Congress Ballroom (Diamond), Atlantis The Royal

Moderator: Mr Ettiene Du Plessis

9:00 AM – 9:30 AM

SPOTLIGHT ADDRESS

The Future of Medicine: Longevity, Data, and the Human Potential Revolution

MR. TARIQ QUREISHY
CEO, XPONENTIAL & MAD GROUP / FOUNDER, FUTURE READINESS INSTITUTE

9:30 AM – 10:00 AM

HEALTHSPAN KEYNOTE

Extending Health span across the Cancer Continuum

DR. FAWAD KHAN
SECTION HEAD - COMPREHENSIVE CANCER HEALTH, CANCER INSTITUTE,
CLEVELAND CLINIC ABU DHABI

10:00 AM –10:30 AM

CLINICAL TRANSLATION KEYNOTE

From Geroscience to Guidelines: Turning aging science into practical, measurable clinical frameworks

DR MOHAMMED ENAYAT
LONGEVITY PHYSICIAN AND FOUNDER OF HUM2N

10:30 AM – 11:00 AM COFFEE & EXHIBITION

Theme: Therapeutics: mTOR modulation, NAD+ & mitochondria, microbiome-informed protocols

Moderator: Mr Ettiene Du Plessis

11:00 AM – 11:20 AM

METABOLIC KEYNOTE

The GLP-1 Decade: Beyond Weight — Cardiometabolic Risk & Sarcopenia

DR RAHAT GHAZANFAR
CLINICAL DIRECTOR, LONGEVITY & LIFESTYLE MEDICINE, SHEIKH SHAKHBOUT MEDICAL CITY

11:20 AM – 11:40 AM

Powering the Aging Cell: NAD+ Restoration, Mitochondrial Therapies & Device-Assisted Delivery (PBM, IV Endolaser etc)

DR MICHAEL WEBER
DIRECTOR OF THE CENTER OF TCM, MITOCHONDRIAL AND PREVENTIVE MEDICINE IN PORTUGAL
PRESIDENT OF EUROPEAN TCM LASER ACADEMY

11:40 AM –12:00 PM

The Longevity Microbiome: Precision Pre/Probiotics, Postbiotics & Gut-Immune Reprogramming for Healthy Aging and systemic resilience

DR ALLA ZAENTC
FUNCTIONAL MEDICINE SPECIALIST AT AEON CLINIC

12:00 PM - 12:20 PM

The Longevity Education Revolution: Training Physicians for the Healthspan Century

PROF. DOMINIK THOR
PRESIDENT OF GENEVA COLLEGE OF LONGEVITY SCIENCE, PROFESSOR OF PHARMACY
VISITING PROFESSOR CAROL DAVILA UNIVERSITY OF MEDICINE & PHARMACY

12:20 PM - 12:40 PM

ONLINE SESSION

From Longevity Clinic to Longevity Care: An Ecosystem Perspective

MANJIT SAREEN
HEAD OF LONGEVITY CLINICS WORLD AT LONGEVITY TECHNOLOGY

12:40 PM - 13:00 PM

Precision in Practice: Integrating Genomic Data into Longevity Care

DR SABA HABIBOLLAH
MD, PHD, MSC, DIRECTOR CLINICAL OPERATIONS
GENOMIC & LONGEVITY MEDICINE SPECIALIST AT AEON CLINIC

13:15 PM – 14:15 PM

NETWORKING LUNCH

14:15 PM – 14:45 PM

SPOTLIGHT

Ozone Therapy and Longevity: Redox Balance, Mitochondrial Optimization & Systemic Regeneration

PROF. ADRIANA BOTEZATU
ASSOCIATE PROFESSOR, NICOLAE TESTEMIȚANU STATE UNIVERSITY OF MEDICINE AND PHARMACY

TRACK A

Theme: Regenerative Immunology & Inflammaging Reset

Main Congress Ballroom (Diamond), Atlantis The Royal

Moderator: Prof. Dominik Thor

14:45 PM- 15:15 PM

KEYNOTE

Cellular Senescence and the SASP: From Inflammaging Mechanisms to Longevity Interventions

PROF. IBRAHIM KASSIS
NEUROIMMUNOLOGY AND CELLULAR THERAPY UNIT, HADASSAH MEDICAL CENTER.

15:15 PM- 15:45 PM

Rebooting Immunity: A Regenerative Approach to Mitochondrial Dysfunction and Orthomolecular Restoration

DR MICHAEL WEBER
DIRECTOR OF THE CENTER OF TCM, MITOCHONDRIAL AND PREVENTIVE MEDICINE IN PORTUGAL
PRESIDENT OF EUROPEAN TCM LASER ACADEMY
EXPERT IN THE FIELD OF FUNCTIONAL, ORTHOMOLECULAR MEDICINE & MITOCHONDRIAL MEDICINE

15:45 PM - 16:10 PM

Inflammaging Reversal: Targeting Cellular Senescence, Cytokine Drift & Immune Dysregulation Across the Lifespan

DR. BASANTA KHATRY-CHHETRY
LONGEVITY MEDICINE EXPERT, AEON CLINIC

16:10 PM - 16:40 PM

Ozone Therapy in Clinical Medicine: Immune Modulation, Microcirculation & Systemic Healing Pathways

PROF. NICOLAE BODRUG
HEAD OF THE DISCIPLINE OF GERIATRICS AND OCCUPATIONAL MEDICINE
PROFESSOR OF INTERNAL MEDICINE, "NICOLAE TESTEMIȚANU" STATE UNIVERSITY OF MEDICINE AND PHARMACY

16:40 PM - 17:00 PM

Multi-Omics Medicine: Transforming Complex Data into Personalized Health Strategies

DR WAEL ABDRABOU
ASSISTANT PROFESSOR & SYSTEMS BIOLOGY RESEARCHER, ABU DHABI UNIVERSITY

TRACK B — Targeted Biologic Therapeutics Track

Topaz Meeting Room, Atlantis The Royal Conference Centre

Moderator: Dr Ahmad Baraka

14:45 PM - 15:10 PM

Targeted Molecular Strategies for Recovery & Performance Longevity: Accelerating Tissue Repair, Musculoskeletal Healing & Neuro-Recovery in Active Individuals

DR HAYTHAM SALEM
CONSULTANT IN SPORTS & EXERCISE MEDICINE AND MUSCULOSKELETAL MEDICINE
FOUNDER & MEDICAL DIRECTOR, ARTHREGEN CLINICS

15:10 PM – 15:35 PM

Mechanistic Longevity: Cellular Repair, Senolytic Modulation & Tissue Regeneration

DR JOSEPH DIB
FUNCTIONAL MEDICINE PHYSICIAN & LONGEVITY EXPERT AT PURA LONGEVITY CLINIC, SHEIKH SHAKHBOUT MEDICAL CITY, ABU DHABI

15:35 PM – 16:00 PM

Metabolic Rejuvenation: Mitochondria, Energy Pathways & Metabolic Reset Protocols

DR BISHOY SAWIRIS
GLOBAL DIRECTOR OF BUSINESS DEVELOPMENT & MEDICAL AFFAIRS AT FUSION APOTHECARY

ADVANCED IV THERAPY TRACK

16:00 PM – 16:30 PM

Evaluating Premium IV Formulations: Pharmaceutical Quality, Stability, Bioavailability & Clinical Relevance

DR BISHOY SAWIRIS
GLOBAL DIRECTOR OF BUSINESS DEVELOPMENT & MEDICAL AFFAIRS AT FUSION APOTHECARY

16:30 PM – 17:00 PM

Targeted IV Protocol Design for Regeneration: Mitochondrial Rescue, Immune Rebalancing & Inflammaging Control

DR ALLA ZAENTC
FUNCTIONAL MEDICINE SPECIALIST AT AEON CLINIC

17:00 PM – 17:30 PM

COFFEE & EXHIBITION

17:30 PM – 18:30 PM

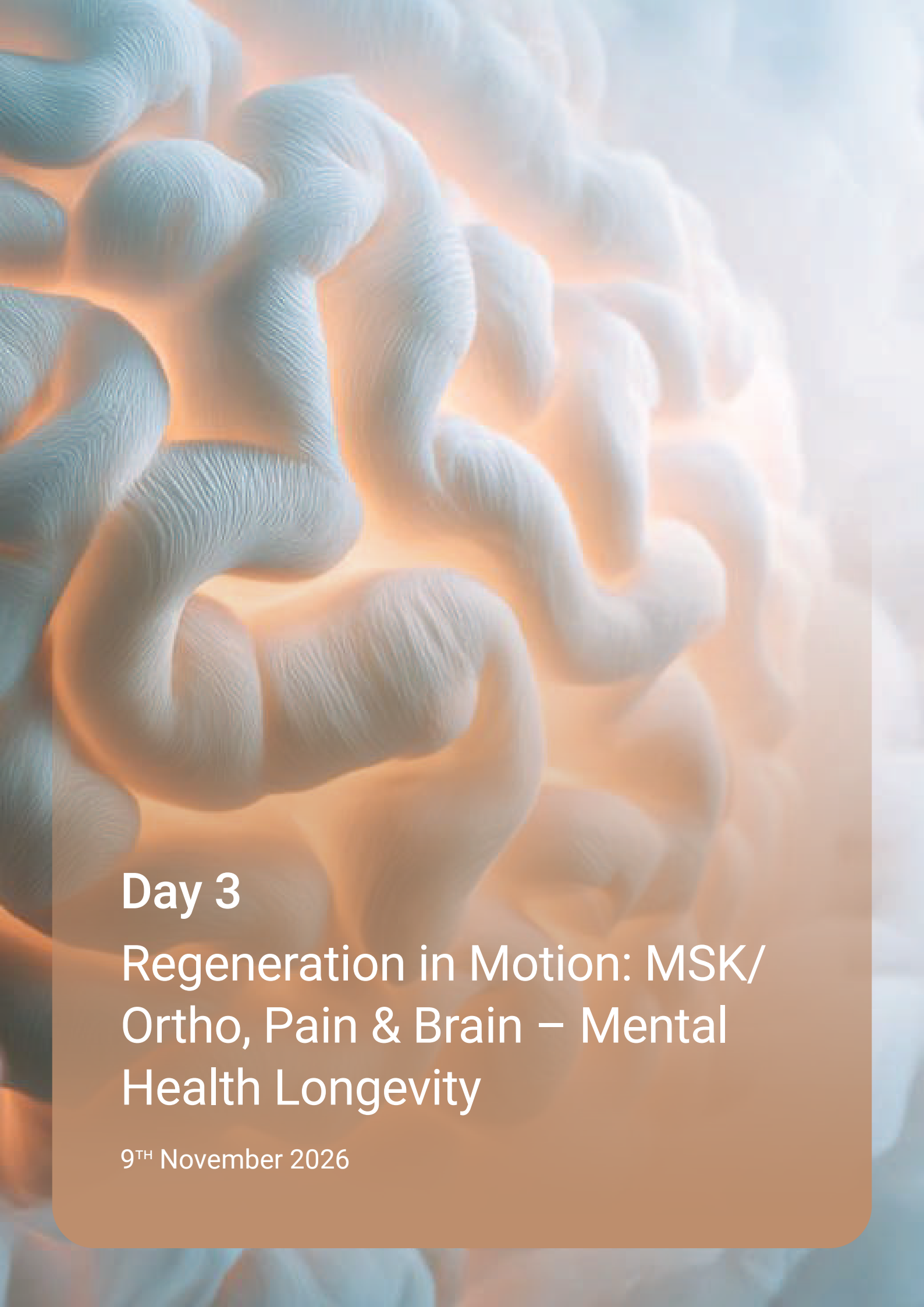
CASE GRAND ROUNDS

Main Congress Ballroom (Diamond), Atlantis The Royal

Interactive clinical case review on complex longevity protocols.

MODERATOR:
DR. FRANCISCO DE MELO

PANELLISTS:
DR ALLA ZAENTC; DR JOSEPH DIB; DR WISSAM ADADA; DR YASIR SHAFI



Day 3

Regeneration in Motion: MSK/ Ortho, Pain & Brain – Mental Health Longevity

9TH November 2026

Theme: Regeneration in Motion: MSK/Ortho, Pain & Brain – Mental Health Longevity

Main Congress Ballroom (Diamond), Atlantis The Royal

Moderator: Dr Francisco De Melo

09:00 AM –09:30 AM

SPOTLIGHT TALK

The Regenerative Human: Rebuilding Body and Mind in the Age of Intelligent Healing

DR. SAM AMORY
MANAGING DIRECTOR LONGEVÉ HEALTH

09:30 AM – 09:50 AM

ORTHO KEYNOTE

Orthobiologics 2.0: Evidence-based updates in PRP, MSC, and Exosome-adjunct therapies

PROF. MASSIMO PIRACCI
CONSULTANT ORTHOPEDIC SURGEON, MEDCARE ORTHOPEDIC SPINE HOSPITAL

09:50 AM – 10:10 AM

From Injury to Elite Performance: A case presentation on combined PRP/HA and Targeted Molecular Therapeutics in injury management

DR HAYTHAM SALEM
CONSULTANT IN SPORTS & EXERCISE MEDICINE AND MUSCULOSKELETAL MEDICINE
FOUNDER & MEDICAL DIRECTOR, ARTHREGEN CLINICS

10:10 AM – 10:30 AM

Restoring Resilience: The cardiovascular connection in regeneration, movement, and longevity

DR YAHYA KIWAN
SENIOR CONSULTANT CARDIOLOGIST & REGENERATIVE CARDIOLOGY SPECIALIST

10:30 AM – 11:00 AM

COFFEE & EXHIBITION

Theme: Regenerative Orthopaedics & Chronic Pain Longevity

Main Congress Ballroom (Diamond), Atlantis The Royal

Moderator: Prof. Massimo Piracci

11:00 AM - 11:20 AM

Stem Cell Therapy in Chronic Pain Management: A Regenerative Approach to Long-Term Relief

DR TAREK SULTAN
MSC,MD, PHD CONSULTANT ANESTHESIOLOGIST & PAIN MANAGEMENT & REGENERATIVE MEDICINE IN UNITED NATIONS HOSPITAL,VETERAN ASSOCIATION HOSPITAL, GAINESVILLE FLORIDA UNIVERSITY FL USA
PROFESSOR RESEARCHER AT COLLEGE OF MEDICINE UNIVERSITY OF FLORIDA USA

11:20 AM - 11:40 AM

Muscle & Tendon Regeneration: From Injury Recovery to Performance Longevity

DR AHMAD BARAKA
HEAD OF PHYSIOTHERAPY & REHABILITATION IN AEON CLINIC

Theme: Mental Health & Brain Longevity

Main Congress Ballroom (Diamond), Atlantis The Royal

Moderator: Dr Ali Vahdani

11:40 AM- 12:10 PM
ONLINE SESSION

Regenerating the Mind: Cellular, Peptide & Neuromodulation Strategies for Mental Health and Cognitive Resilience

PROF. DR. ALEXANDER T. SACK
CHAIR & PROFESSOR OF BRAIN STIMULATION AND APPLIED COGNITIVE NEUROSCIENCE AT MAASTRICHT UNIVERSITY & MUMC+

12:10 PM - 12:30 PM

Rewriting the Aging Brain: Where TMS Meets Longevity Science

DR SAMIRA CUTTS
CLINICIAN-SCIENTIST IN BRAIN STIMULATION & NEUROPSYCHIATRIC CARE

12:30 PM - 12:50 PM

The Brain's Cleansing System: Glymphatic Function, Sleep Architecture & Waste Clearance for Longevity

DR OLIVIA LY LESSLAR
FACULTY LECTURER AT GENEVA COLLEGE OF LONGEVITY SCIENCE
FUNCTIONAL MEDICINE PRACTITIONER,PSYCHONEUROIMMUNOLOGY, QUANTUM MED & TEDX SPEAKER
MEDICAL DIRECTOR OF FUNCTIONAL AND LONGEVITY MEDICINE, CINGULUM HEALTH

12:50 PM - 13:15 PM

Precision Neuromodulation in Practice: rTMS and Beyond for Depression, Anxiety & Cognitive Longevity

DR ALI VAHDANI
MEDICAL DIRECTOR, AIC CITY POLYCLINIC / SPECIALIST PSYCHIATRIST, AEON CLINIC

13:15 PM - 14:15 PM NETWORKING LUNCH

Theme: Translational Updates — New Horizons in Regenerative Medicine

Main Congress Ballroom (Diamond), Atlantis The Royal

Moderator: Dr Basanta Khatry-Chhetry

14:15 PM – 14:45 PM
ONLINE SESSION

Metabolic Syndrome- a cure for Type 2 Diabetes Mellitus

PROF. SEAN NG
FOUNDER AND CONSULTANT, MING MEDICAL IN MALAYSIA
IMMUNOTHERAPY & REGENERATIVE MEDICINE

14:45 PM – 15:15 PM

Advances in Hemoglobinopathy Management: From Pathogenic to Curative CRISPR-Cas9 Gene Editing/Therapy Approaches

DR MEHRAN KARIMI
PEDIATRIC HEMATOLOGIST-ONCOLOGIST AT AMERICAN HOSPITAL
PROFESSOR EMERITUS OF PEDIATRIC HEMATOLOGY & ONCOLOGY

15:15 PM – 15:45 PM

p-tau217 and the New Era of Blood-Based Brain Health Biomarkers: What Longevity Clinics Can Offer Now

DR AVINASH CHANDRA
POSTDOCTORAL RESEARCH ASSOCIATE AT THE CENTRE FOR PREVENTIVE NEUROLOGY, WOLFSON INSTITUTE OF POPULATION HEALTH, QUEEN MARY UNIVERSITY OF LONDON

15:45 PM – 16:05 PM

The Next Frontier of Regenerative Medicine: Biological Intelligence, and the Biology It Learns From

DR VINOD GAUBA
OPHTHALMOLOGIST & OCULOPLASTIC SURGEON / FOUNDER & CEO, GENEVAULT

16:05 PM- 16:30 PM

ONLINE SESSION

Immunotherapy (Natural Killer Cells and EV Chemo-drug transport)

PROF. SEAN NG
FOUNDER AND CONSULTANT, MING MEDICAL IN MALAYSIA
IMMUNOTHERAPY & REGENERATIVE MEDICINE

14:15 PM – 16:30 PM

MASTERCLASSES

TRACK A

Neuromodulation & Brain Longevity

Live-Demonstration with rTMS and neurodevices for cognitive resilience

Amber and Onyx Meeting Rooms, Atlantis The Royal Conference Centre

Moderator: Dr Ali Vahdani

TRACK B

Bridging Biology and Biomechanics: The Future of Regenerative Orthopedics

Injectable hydrogels, exosome scaffolds, and stem cells for repair

Topaz Meeting Room, Atlantis The Royal Conference Centre

Moderator: Prof. Massimo Piracci

TRACK C

Exposome Closed Round Table Discussion (By Invitation Only)

In-person and online session

Opal Meeting Room, Atlantis The Royal Conference Centre

Moderator: Tina Woods

16:30 PM – 17:00 PM

COFFEE & EXHIBITION

17:00 PM - 18:00 PM

PLENARY PANEL

Main Congress Ballroom (Diamond), Atlantis The Royal

Exosomes, MSCs & Orthobiologics: What's Real, What's Next, What's Regulated in regenerative science

MODERATOR:
DR ASAWARI BAPAT

PANELLISTS:
DR HIBA KHALIL; DR GIUSEPPE MARCHESANI; DR FATIMA AL JAMALI; DR DZIHAN ABAZOVIC

20:00 PM – 23:00 PM

CHAIRMAN'S DINNER

EMERALD LAWN (OUTDOOR)

TRACK A

MASTERCLASS OVERVIEW

Day 3

9TH November 2026

Neuromodulation & Brain Longevity

Live- Demonstration with rTMS and neurodevices for cognitive resilience

DR ALI VAHDANI
MEDICAL DIRECTOR AT AIC CITY POLYCLINIC
SPECIALIST PSYCHIATRIST AT AEON CLINIC
HEALTHCARE ACCREDITATION & QUALITY IMPROVEMENT SPECIALIST

Workshop timetable

Session runs 2:15 pm – 4:30 pm; total running time 2 h 15 min (50 min lecture, 55 min facilitated live demonstrations, 30 min interactive sessions and break).

Learning objectives

Participants will leave with:

- Explain the physical and neurophysiological basis of TMS and how stimulation parameters shape its effects.
- Summarize the current evidence and approved indications for rTMS in psychiatry, and where brain-health and cognitive applications stand.
- Describe safety screening and recognize contraindications and adverse effects.
- Explain, from facilitated demonstrations, how resting motor threshold is determined, the DLPFC is localized and a standard 10 Hz or iTBS protocol is configured.
- Describe how complementary neurodevices (tDCS, EEG, HRV and wearables) can support a measurement-based brain-longevity pathway.

14:15 PM – 14:25 PM	**Welcome & safety briefing (10 mins)** • Introductions, learning objectives, live audience poll (experience with neuromodulation). • Explain demonstration-only format, safety boundaries and observation arrangements.	Plenary format
14:25 PM – 14:50 PM	**Part 1 — How TMS works (25 mins)** • Electromagnetic induction and the induced electric field; coil types (figure-8, H-coil, neuronavigated). • Frequency and patterned stimulation (1 Hz, 10 Hz, theta-burst) and their plasticity effects (LTP/LTD-like). • Network targets: DLPFC, default mode and salience networks.	Lecture format
14:50 PM – 15:05 PM	**Part 2 — Clinical Evidence, Indications & Safety (15 Mins)** • Approved and established indications (treatment-resistant depression, OCD, smoking cessation), accelerated protocols, emerging uses in cognition and brain ageing. • Contraindications, side effects, seizure risk and screening.	Lecture format
15:05 PM – 15:20 PM	**Live Demonstration (15 Mins)** • Demonstrates a full session set-up using a head model or an appropriately screened, consenting demonstration volunteer: positioning, resting motor threshold (visible thumb twitch / EMG, if demonstrated), locating the DLPFC target (Beam F3 / 5.5 cm rule / neuronavigation), dose calculation and protocol entry. • Participants observe only.	Live Demo
15:20 PM – 15:30 PM	**Break & Move To Demonstration Stations (10 Mins)** • Refreshments. • Divide 24 participants into three groups of 8 (A, B, C).	Break
15:30 PM – 16:10 PM	**Live Demonstration Station Rotation (40 Mins)** • Three facilitated demonstration stations, 12 minutes per station and 2-minute changeovers. • All three groups observe each station; no hands-on participant practice.	Live Demo
16:10 PM - 16:20 PM	**Part 3 — Building A Brain-Longevity Programme (10 Mins)** • Integrating rTMS with measurement-based care, wearables and lifestyle medicine. • Clinic workflow, outcome tracking and a short case vignette from clinical practice.	Live Demo
16:20 PM - 16:30 PM	**Q&A, Evaluation & Close (10 Mins)** • Open questions, key take-aways	Plenary

TRACK A

MASTERCLASS OVERVIEW

Day 3

9TH November 2026

15:30 PM – 16:10 PM LIVE DEMONSTRATION STATIONS

STATION A

Coil handling & motor threshold

- Facilitator orientation to machine controls, coil cooling and emergency stop
- Demonstration of locating the hand motor hotspot (APB/FDI)
- Explanation or clinician-led demonstration of resting motor threshold using visual and EMG methods
- Any stimulation, if undertaken, is performed only by qualified clinical staff on a screened, consenting volunteer; attendees observe

Equipment: rTMS device, figure-8 coil, treatment chair, ear protection

STATION B

Targeting & protocol set-up

- Demonstration of measuring and marking the DLPFC target: Beam F3 method versus 5.5 cm rule
- Overview of neuronavigation
- Facilitator demonstration of programming 10 Hz and intermittent theta-burst protocols and dosing at a percentage of motor threshold
- Demonstration of repetitive-train settings on a head model or phantom only

Equipment: Second rTMS device or coil on head model, measuring tape, EEG cap / marking caps, protocol cards

STATION C

Neurodevices for cognitive resilience

- Facilitator demonstration of tDCS montage set-up and safety
- EEG / neurofeedback and HRV biofeedback demonstration
- Wearables for sleep, stress and recovery tracking
- Discussion of outcome measures: mood, cognition and physiology

Equipment: tDCS kit, portable EEG headset, HRV sensor, wearable devices, tablet with dashboards

Rotation Plan

Time	Group 1 (8)	Group 2 (8)	Group 3 (8)
15:30 PM - 15:42 PM	Station A	Station B	Station C
15:44 PM - 15:56 PM	Station B	Station C	Station A
15:58 PM - 16:10 PM	Station C	Station A	Station B

Safety Rules For Live Demonstrations

- All attendees remain observers; no participant-operated devices, hands-on practice or therapeutic treatment is included.
- If a volunteer is used for a clinician-led demonstration involving stimulation, the volunteer must complete a standard TMS safety screening questionnaire and provide informed consent.
- Volunteers with contraindications or unresolved screening concerns must not undergo stimulation; demonstration may instead use a head model or phantom.
- Any stimulation is performed solely by an appropriately trained clinician. No repetitive treatment trains are delivered to attendees; any repetitive-train demonstration uses a head model or phantom.
- Appropriate ear protection is used by persons exposed to TMS pulses. A clinician trained in seizure first aid supervises stimulation demonstrations and identifies

Who should attend

- Psychiatrists, neurologists, general practitioners, psychologists, nurses, neuroscience researchers and allied professionals interested in neuromodulation and brain health.
- No prior TMS experience needed.emergency-stop procedures.

Bridging Biology and Biomechanics: The Future of Regenerative Orthopedics

Injectable hydrogels, exosome scaffolds, and stem cells for repair

PROF. MASSIMO PIRACCI
CONSULTANT ORTHOPEDIC SURGEON SPECIALIZED IN REGENERATIVE & SPORTS MEDICINE AT MEDCARE ORTHOPEDIC SPINE HOSPITAL

Workshop Overview

The session will convey how injectable biomaterials, exosome-based scaffolds, and stem cell integrations are converging to restore function in orthopedic, pain, and neuro-regenerative applications.

The goal: demonstrate transition from bench to bedside — how smart biomaterials and biologics are being used today in real clinical protocols.

14:15 PM – 14:25 PM

Opening and Framing the Session

SPEAKER:
PROF. MASSIMO PIRACCI (MODERATOR)

Welcome and introduction: Overview of the regenerative paradigm: how hyaluronic acid, exosomes, and stem cells enhance repair in musculoskeletal and neural tissues

Objectives of the live demonstrations:
- Demonstrate clinically applicable methods for integrating biomaterials and biologics
- Provide scientific rationale backed by translational research
- Encourage interactive learning through live demonstrations

14:25 PM – 14:50 PM

Keynote Lecture

Topic: Smart Biomaterials: Micronized Fat for Musculoskeletal Pathologies: Science and Clinical Experience

SPEAKER:
DR. SHARMILA TULPULE
ORTHOPEDIC SURGEON WITH EXPERTISE IN REGENERATIVE MEDICINE AT MUBADALA HEALTH DUBAI
EXPERT IN ORTHOPEDIC REGENERATIVE TREATMENTS: PRP, STEM CELLS, GOLDIC.

Content Focus:
- MFAT in Regenerative Orthobiologics – Biological rationale and comparison with SVF and BMAC
- Treatment Optimisation – MFAT quality parameters and the rationale for combining MFAT with PRP
- Clinical Outcomes – Safety, efficacy and long-term findings from 123 treated knees, with follow-up extending to five years.
- Patient Selection – Identifying suitable candidates and understanding treatment limitations in advanced knee osteoarthritis.
- Future Perspectives – Current clinical evidence, research gaps and the evolving role of MFAT in osteoarthritis management

14:50 PM – 15:30 PM

Translational Science Update

14:50 PM- 15:10 PM

Topic: Cellular Products in Regenerative Orthopedics: Science-Based Personalized Protocols

SPEAKER:
DR HIBA KHALIL
PROFESSOR OF HEMATOLOGY AND STEM CELL TECHNOLOGY – MLS; RESEARCH SCIENTIST, ABU DHABI STEM CELLS CENTER, UAE; FOUNDER OF ALNEELAIN STEM CELL CENTER, SUDAN; DIPLOMAT & AFFILIATE OF AMERICAN BOARD OF REGENERATIVE MEDICINE

Key Features:
- Cellular Products in Regenerative Orthopedics – Scientific principles and therapeutic applications.
- Personalized Clinical Protocols – Patient selection and individualized treatment strategies.
- Clinical Evidence and Outcomes – Current research, clinical studies, safety and therapeutic outcomes.
- Future Directions – Emerging innovations and advancements in regenerative orthopedics

TRACK B

MASTERCLASS OVERVIEW

Day 3

9TH November 2026

15:10 PM - 15:30 PM

Topic: Exosome-Enhanced Scaffolds: A Next-Generation Platform for Orthobiologic Repair

SPEAKER:
DR HAYTHAM EL KHATIB
ORTHOPEDIC SURGEON IN DUBAI MARINA WITH CERTIFICATION IN REGENERATIVE MEDICINE, PRP, GUIDED INJECTIONS, ETC. (EMIRATES HOSPITALS)

Key Features:

- Role of MSC-derived exosomes in modulating inflammation and regeneration
- Integration of exosomes within biomaterials (collagen, hyaluronic, fibrin-based)
- Early-phase clinical outcomes in tendon, cartilage, and neural applications

15:30 PM – 16:10 PM

Live Demonstration Masterclass, Segment 1 (Pre-recorded)

Theme: Injectable Biologic Scaffolds in Orthopedic and Pain Applications

LEAD DEMONSTRATORS:
PROF. MASSIMO PIRACCI
CONSULTANT ORTHOPEDIC SURGEON, MEDCARE ORTHOPEDIC SPINE HOSPITAL
Practical demonstration of hyaluronic acid + stem cell mixture for joint and spine regenerative therapy

PROF. DR. MOHAMMED AL JUMAILY
DIRECTOR, NEURO-SPINAL PROGRAM, AMERICAN BOARD OF REGENERATIVE MEDICINE
Intervertebral disc and paraspinal applications

Live Focus:

- Preparation and activation of injectable hydrogels
- Combination with PRP, BMAC, or ADSCs
- Ultrasound-guided injection techniques

16:10 PM – 16:30 PM

Live Demonstration Masterclass, Segment 2 (Pre-recorded)

Theme: Exosome Scaffold and Neuroregeneration Interface

LEAD DEMONSTRATOR:
PROF. DR. MOHAMMED AL JUMAILY
DIRECTOR, NEURO-SPINAL PROGRAM, AMERICAN BOARD OF REGENERATIVE MEDICINE
Peripheral nerve repair with biologic conduits

Highlights:

- Exosome-rich scaffolds for nerve gap repair
- Cross-talk between exosomes and host Schwann cells
- Pain modulation and neuroplasticity implications

16:30 PM – 16:40 PM

Closing Remarks and Discussion

MODERATOR:
PROF. MASSIMO PIRACCI

Integrative summary of orthopedic, pain, and neuroregenerative themes

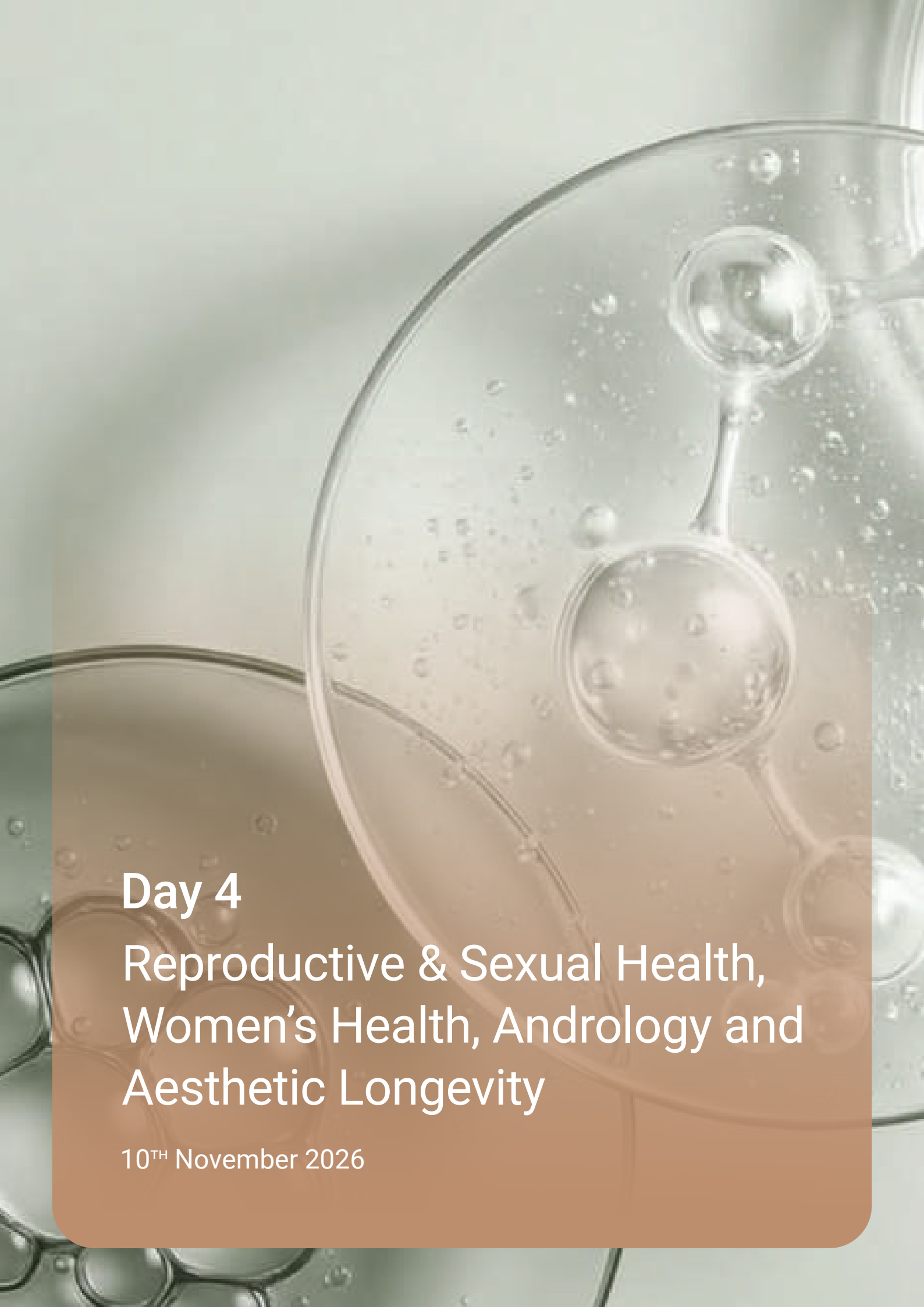
Day 3
9TH November 2026

Exposome Closed Round Table Discussion (By Invitation Only)

14:15 PM –16:30 PM

MS TINA WOODS
FOUNDER & CEO, COLLIDER HEALTH
FOUNDER & CEO, BUSINESS FOR HEALTH
EXECUTIVE DIRECTOR, INTERNATIONAL INSTITUTE OF LONGEVITY

In-person and online session



Day 4

Reproductive & Sexual Health, Women's Health, Andrology and Aesthetic Longevity

10TH November 2026

Theme: Reproductive & Sexual Health, Women's Health, Andrology and Aesthetic Longevity

Main Congress Ballroom (Diamond), Atlantis The Royal

Moderator: Dr Yuliya Burmagina

09:00 AM – 9:30 AM

Genetic Biomarkers of Aging: Mapping the Molecular Signatures of Longevity

DR. HINDA DAGGAG
EXECUTIVE DIRECTOR OF LONGEVITY, PUREHEALTH

09:30 AM – 10:00 AM

WOMEN'S HEALTH KEYNOTE

Reproductive Longevity: Regenerating ovarian function and extending fertility span

DR ANNA SEPIOLO
CO-FOUNDER OF EV CLINIC IN DUBAI
FUNCTIONAL & AESTHETIC GYNECOLOGIST

10:00 AM – 10:30 AM

ANDROLOGY KEYNOTE

Male Sexual Health & Vitality: Redefining Masculine Longevity in the Modern Era

DR FLUTURA HAROLD
GENERAL PRACTITIONER, BIOSCIENCE CLINIC DUBAI / LONGEVITY DOCTOR,
LONGEVITY HUB BY CLINIQUE LA PRAIRIE

10:30 AM – 11:00 AM

COFFEE & EXHIBITION

TRACK A

Theme: Fertility & Sexual Health Regeneration- Clinical applications in hormone and fertility restoration

Main Congress Ballroom (Diamond), Atlantis The Royal

Moderator: Dr Yuliya Burmagina

11:00 AM - 11:20 AM

WOMEN'S LONGEVITY KEYNOTE

The Missing Decades: Why Women's Longevity Must Begin Long Before Menopause

HER HIGHNESS SHEIKHA DR ALIA AL QASSIMI
FOUNDER & CHAIRPERSON, AHQ INVESTMENTS
PRESIDENT, EMIRATES GYNECOLOGY & OBSTETRICS SOCIETY

11:20 AM - 11:40 AM

Root Cause Reversal: Integrative and Functional Strategies for Infertility Management

DR JOSEPH DIB
FUNCTIONAL MEDICINE PHYSICIAN & LONGEVITY EXPERT AT PURA LONGEVITY CLINIC,
SHEIKH SHAKHBOUT MEDICAL CITY, ABU DHABI

11:40 AM - 12:00 PM

Regenerative Performance Medicine: Optimizing testosterone, vascular health, and libido in aging men

DR OLEKSANDR KNIGAVKO
DOCTOR UROLOGIST, PROFESSOR OF ANDROLOGY AT MEDPALM CLINIC

12:00 PM - 12:20 PM

Reprogramming the Mind-Body Axis: The Psychology of Stress, Hormones, and Fertility Longevity

DR SAMAR HABIBULLAH
SPECIALIST PSYCHIATRIST

12:20 PM - 13:00 PM

PANEL DISCUSSION

From Hormone Decline to Fertility Longevity: Integrative, Regenerative & Mind-Body Strategies That Work

MODERATOR:
DR FLUTURA HAROLD

PANELLISTS:
DR OLEKSANDR KNIGAVKO; DR SAMAR HABIBULLAH; DR ANNA SEPIOLO; DR YULIYA BURMAGINA

TRACK B

Theme: Reconstruction Aesthetic and Longevity - Cellular and biologic interventions for skin and hair rejuvenation

Topaz Meeting Room, Atlantis The Royal Conference Centre
Moderator: Dr Francisco De Melo

11:00 AM - 11:30 AM

Cellular Aesthetics: Exosomes, Stem-Cell-Derived Factors & Regenerative Biologics for Skin Longevity

DR. ECATERINA LICA
DERMATOLOGY SPECIALIST AT AEON
CEO & MEDICAL DIRECTOR OF DOCTOR LICA CLINIC IN MOLDOVA
CO-FOUNDER OF LONGEVITY CODE COURSE

11:30 AM - 12:00 PM

Hair Regeneration: Restoring Follicle-Fibroblast Signaling for Youthful Renewal

DR MOHAMMAD MAZHAR HUSSAIN
CONSULTANT FAMILY MEDICINE, FUNCTIONAL MEDICINE
PHYSICIAN & HAIR RESTORATION SPECIALIST AT AEON CLINIC
FOUNDER, REVIVO HEALTH

12:00 PM - 12:30 PM

Regenerative Reconstruction: Biologic Scaffolds, Fat-Derived MSCs & Exosome-Enhanced Healing in Post-Surgical Aesthetics

DR FRANCISCO DE MELO
SENIOR CONSULTANT PLASTIC SURGEON AND REGENERATIVE & AESTHETIC SURGERY EXPERT AT AEON CLINIC AND AESTHETIC INTERNATIONAL
FACULTY MEMBER AT VILLA FORTUNY ACADEMY

12:30 PM - 13:00 PM

Scar Revision 2.0: Regenerative Approaches to Fibrosis, Vascularity & Collagen Remodeling

DR MAZEN AL SAMARRAE
SPECIALIST GENERAL SURGEON & REGENERATIVE & AESTHETIC MEDICINE EXPERT AT AEON CLINIC

13:15 PM - 14:15 PM

NETWORKING LUNCH

Theme: Building the Longevity Economy

Main Congress Ballroom (Diamond), Atlantis The Royal

Moderator: Dr Samar Habibullah

14:15 PM – 14:45 PM

KEYNOTE

Longevity Destinations: Positioning the UAE as a Global Hub for longevity Medicine and Medical Tourism

SAQR EREIQAT
ADVISOR, DOCQUITY

14:45 PM – 15:10 PM

Advancing Human Longevity Through Cellular and Subcellular Therapies: Clinical, Scientific, and Economic Perspectives

DR DZIHAN ABAZOVIC
PRESIDENT OF THE GLOBAL REGENERATIVE ACADEMY (GRA)

15:10 PM – 15:30 PM

Building the Longevity Economy: From Sickcare to Human Flourishing

MS TINA WOODS
FOUNDER & CEO, COLLIDER HEALTH
FOUNDER & CEO, BUSINESS FOR HEALTH
EXECUTIVE DIRECTOR, INTERNATIONAL INSTITUTE OF LONGEVITY

15:30 PM – 16:00 PM

Genome Stability and DNA Repair Capacity- the Future of Longevity Medicine

DR GIUSEPPE MUCCI
CHIEF EXECUTIVE OFFICER & FOUNDER AT BIOSCIENCE INSTITUTE

16:00 PM - 16:45 PM

CAPSTONE PANEL

Clinics of 2030: Expert projections for how longevity clinics will operate by 2030.

MODERATOR:
DR JAFFER KHAN

PANELLISTS:
MS. TINA WOODS; MS. JULIA JOHANSSON; DR MOHAMMED ENAYAT; DR RAHAT GHAZANFAR

16:45 PM – 17:00 PM

CLOSING KEYNOTE

Mesenchymal Stem Cells and Longevity: Promise, Mechanisms and Ongoing Controversies

DR GIUSEPPE MUCCI
CHIEF EXECUTIVE OFFICER & FOUNDER AT BIOSCIENCE INSTITUTE

17:00 PM - 17:15 PM

CLOSING REMARKS - (CONGRESS CHAIR)

DR JAFFER KHAN
CONGRESS CHAIRMAN, NEXT GENERATION MEDICINE
FOUNDER & EXECUTIVE CHAIRMAN AT AEON CLINIC

TRACK C
14:15 PM – 17:00 PM

Theme: A GCLS Translational Longevity Science for Clinicians Workshop

Topaz Meeting Room, Atlantis The Royal Conference Centre

Guidelines and Case Studies from the GCLS Certified Longevity Physician Programme

TRACK D
14:15 PM – 17:00 PM

Musculoskeletal Diagnostic Ultrasound Workshop- Knee joint Ultrasound

Amber and Onyx Meeting Rooms, Atlantis The Royal Conference Centre

17:15 PM – 17:30 PM COFFEE & EXHIBITION

GCLS Translational Longevity Science for Clinicians Workshop

MODERATORS:
PROF. DOMINIK THOR (PRESIDENT OF GCLS)
DR TAMER FAWZY (CONSULTANT AT AL ZAHRA HOSPITAL)

An Advanced Practitioner Workshop

This specialized workshop, delivered in collaboration with the Geneva College of Longevity Science (GCLS), offers a structured and evidence-driven immersion into the clinical foundations, diagnostics, and applied practice of modern longevity medicine. Designed for physicians and advanced practitioners, the programme provides a rigorous translational bridge between cutting-edge longevity science and real-world clinical implementation.

Workshop Impact

- Participants will leave with:
- A structured clinical framework informed by GCLS standards
- Enhanced competency in longevity diagnostics and risk assessment
- Practical tools for designing personalized longevity treatment plans
- Ethical and governance principles aligned with international best practice
- Greater confidence in integrating longevity science into routine clinical workflows

Foundations of Longevity Medicine

An evidence-based introduction to the central physiological systems and clinical domains that define contemporary longevity medicine. This session establishes a clear conceptual framework for practitioners, outlining the learning objectives, competency pillars, and clinical scope of practice required for responsible and impactful longevity care.

The Swiss Framework for Healthy Longevity Medicine Clinics

A detailed exploration of the landmark publication “Towards Responsible Longevity Medicine: Swiss Framework for Healthy Longevity Medicine Clinics” (Taylor & Francis). Participants will gain key insights into the ethical, structural, and operational principles proposed by the Swiss working group, and learn how these guidelines translate into real-world clinical governance, patient safety, and evidence-based longevity practice.

Diagnostics Protocol Deep Dive

A comprehensive review of the biomarker domains and functional assessments essential for risk stratification and personalized intervention planning. This segment covers:

- Multi-system biomarker panels
- Interpretation strategies and clinical thresholds
- Biological age assessment and phenotypic profiling
- Functional performance testing
- Decision-making pathways for individualized programs

Participants will gain clarity on practical application, sequencing, and integration of diagnostics in a longevity-focused clinical workflow.

Applied Clinical Cases: From Evaluation to Intervention

Through interactive case-based learning, clinicians will examine real-world patient scenarios that demonstrate:

- Translational use of diagnostic data
- Personalized multimodal intervention planning
- Longevity therapeutics selection and sequencing
- Monitoring, outcome tracking, and longitudinal optimization

This session emphasizes practical reasoning, clinical nuance, and evidence-based management strategies that can be directly incorporated into daily practice.

Musculoskeletal Diagnostic Ultrasound- Knee joint Ultrasound – Live Demonstration Workshop

Ultrasound Scanning Basics and Diagnostic Sonographic Evaluation of the Knee Joint

LEAD INSTRUCTOR:
MR NAJEEB ULLAH
CLINICAL SONOGRAPHER & ULTRASOUND EDUCATOR

This Live-Demonstration session is designed to build practical competency in MSK ultrasound with a focus on real-time scanning of the knee joint. Participants will rotate through structured scanning stations and learn standardized protocols used in orthopedic, sports medicine, and regenerative practice.

The goal: To ensure every participant can perform a complete diagnostic knee ultrasound, understand pathology patterns, and apply imaging skills directly to guided regenerative treatments

Introduction & Workshop Structure

Content: Importance of ultrasound as a first-line imaging tool in MSK and regenerative medicine
Overview of workshop flow: stations, live scans, live demonstrations

Learning objectives:
- Master basic ultrasound controls and probe handling
- Perform a systematic knee scan
- Identify common pathology
- Practice guidance skills for biologic injections

14:15 PM - 15:00 PM

Presentation/ Foundational Training Segment

Topic: Ultrasound Machine Basics & Image Optimization

Live-Demonstration Components:
- Probe selection: linear probe, MHz settings
- Adjusting depth, gain, focus, and Doppler
- Eliminating artifacts such as anisotropy
- Ergonomic positioning for accuracy and patient comfort
- Sono anatomy (MSK)
- Pathology

15:00 PM - 15:45 PM

Anterior Knee Scanning Protocol

Live Demonstration
Structures Practiced:
- Quadriceps tendon
- Suprapatellar recess (effusion, synovitis)
- Articular cartilage of femoral trochlea
- Patellar tendon (proximal, mid, distal)
- Infrapatellar fat pad

Clinical Focus:
- Sonographic patterns of tendinopathy, partial tears
- Identifying bursitis and joint effusion

Day 4

10TH November 2026

15:45 PM - 16:15 PM

Medial & Lateral Knee Evaluation

Live-Demonstration: Ligaments and Meniscus Assessment
Structures covered:

- MCL & LCL (static + dynamic stress maneuvers)
- Medial and lateral meniscus
- Iliotibial band
- Lateral recess and popliteus region

Diagnostic Goal:

- Recognize extrusion, capsular separation, cysts, fiber disruption

16:15 PM - 17:00 PM

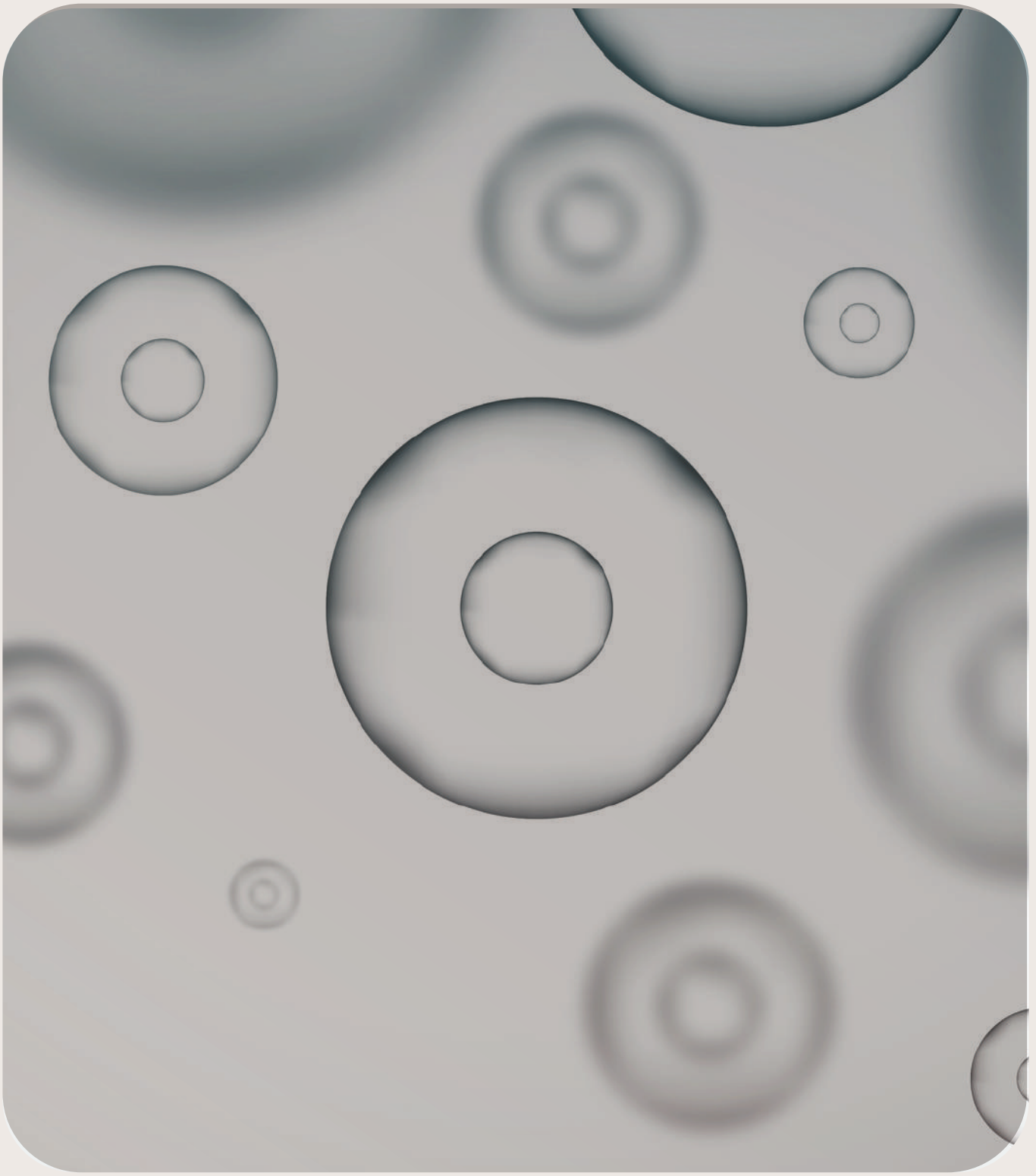
Posterior Knee & Popliteal Fossa

Structures Covered:

- Baker's cyst (identification)
- Popliteal vessels (safety mapping)
- Posterior horn meniscus
- Hamstring tendons and gastrocnemius–semimembranosus interface

Clinical Application:

- Differentiating cystic vs. solid lesions
- Doppler for pre-injection safety



NGM

Connect with Us

events@theaeonclinic.com
@nextgenerationmedicine
www.next-generationmedicine.com