

17:00 - 19:00

PLENARY

SESSION

INNOVATIVE APPROACHES IN STROKE REHABILITATION: BENEFITS AND PERSPECTIVES

ID 90

TOPIC NEUROREHABILITATION

SPEAKERS SANAZ POURNAJAF (ITALY)
ALESSANDRO GIUSTINI (ITALY)
THIERRY LEJUENE (BELGIUM)
RAJIV REEBYE (CANADA)
SARA LAXE (SPAIN)

CHAIR MARCO FRANCESCHINI, FRANCESCA GIMIGLIANO

THIS SESSION WILL EXPLORE GROUNDBREAKING ADVANCEMENTS IN STROKE REHABILITATION, FOCUSING ON INNOVATIVE APPROACHES THAT ENHANCE FUNCTIONAL RECOVERY AND QUALITY OF LIFE. DISCUSSIONS WILL COVER THE INTEGRATION OF TECHNOLOGY INTO PHYSICAL AND REHABILITATION MEDICINE (PRM), ADDRESSING ITS ROLE IN EDUCATION, CLINICAL APPLICATIONS, AND GLOBAL REHABILITATION STRATEGIES. THE SESSION WILL ALSO EXAMINE THE CLINICAL APPLICATION OF VIRTUAL REALITY (VR) IN STROKE RECOVERY, EVALUATING ITS POTENTIAL AS A REHABILITATION TOOL. ADDITIONALLY, EMERGING REHABILITATION TECHNOLOGIES WILL BE HIGHLIGHTED, INCLUDING IMMERSIVE VR ADAPTATIONS OF STANDARDIZED DEXTERITY TESTS, SENSOR-BASED FEEDBACK SYSTEMS TO PROMOTE UPPER LIMB ACTIVITY, AND NOVEL TREATMENT STRATEGIES. RESULTS FROM A MULTICENTER RANDOMIZED CONTROLLED TRIAL ON EARLY EXOSKELETON-ASSISTED THERAPY WILL BE PRESENTED, DEMONSTRATING ITS IMPACT ON UPPER LIMB MOTOR RECOVERY IN THE SUBACUTE PHASE. FINALLY, MULTIMODAL THERAPY AND THE USE OF ADJUNCTIVE THERAPIES TO BOTULINUM TOXIN A (BONT-A) IN SPASTICITY MANAGEMENT WILL BE DISCUSSED, ALONG WITH STRATEGIES FOR INTEGRATING THESE ADVANCEMENTS INTO EVERYDAY CLINICAL PRACTICE. DESIGNED FOR CLINICIANS, RESEARCHERS, AND ENGINEERS, THIS SESSION OFFERS VALUABLE INSIGHTS INTO THE LATEST INNOVATIONS DRIVING STROKE REHABILITATION FORWARD.

17H00

INTEGRATING TECHNOLOGY IN PRM: EDUCATION, CLINICAL APPLICATIONS, AND GLOBAL PERSPECTIVES. ALESSANDRO GIUSTINI

17H15

VIRTUAL REALITY IN STROKE REHABILITATION: A CLINICAL PERSPECTIVE. SARA LAXE

17H30

CONCURRENT VALIDITY OF AN IMMERSIVE VR VERSION OF THE BOX AND BLOCK TEST. THIERRY LEJUENE

17H45

MULTIMODAL THERAPY AND USE OF ADJUNCTIVE THERAPIES TO BONT-A IN SPASTICITY MANAGEMENT. RAJIV REEBYE

18H00

EARLY EXOSKELETON-ASSISTED THERAPY FOR UPPER LIMB RECOVERY: CLINICAL RESULTS AND BIOMECHANICAL OBSERVATIONS. SANAZ POURNAJAF

18H15

OC ID 999 EFFICACY AND SAFETY OF BOTULINUM TOXIN TREATMENT IN THE EARLY MANAGEMENT OF SPASTICITY IN PATIENTS WITH SPINAL CORD INJURY (SCI). SERENA VICENZA CAPOBIANCO

18H20

CO ID 631 UPPER LIMB KINEMATICS IN IMMERSIVE VIRTUAL REALITY: COMPARISON BETWEEN STROKE AND HEALTHY SUBJECTS DURING A BOX AND BLOCK TEST WITH CONTROLLERS AND HAND TRACKING. THÉRÈSE NTABUHASHE BIBENTYO

18H25

OC ID186 GROWTH IN SIMULATED MICROGRAVITY MODIFIES 3D GENOME ORGANIZATION IN DIFFERENTIATING HUMAN MOTOR NEURONS. HONG CHEN

18H30

OC ID 582 REPETITIVE PERIPHERAL MAGNETIC STIMULATION (RPMS) TO RECOVER BALANCE FUNCTION IN HEMIPARETIC PATIENTS. EVGENIA TSVETKOVA

18H35

OC ID 417 PERSONALIZATION OF POSTURAL REHABILITATION STRATEGIES IN MULTIPLE SCLEROSIS USING ARTIFICIAL INTELLIGENCE: A MACHINE LEARNING APPROACH. DOUA EL OUAZZANI

18H40

OC ID 987 PEOPLE WITH SPINAL CORD INJURY IN THE LABOUR MARKET: A GLOBAL COMPARATIVE OUTLOOK. LORENA BERNA BARBOZA

18H45

DISCUSSION AND SUMMARY OF KEY INSIGHTS AND FUTURE DIRECTIONS.

17:00 - 19:00

OLIVERAIE

SHORT WORKSHOP

EXPLORING CULTURAL DIFFERENCES AND STIGMA IN THE DIAGNOSIS AND TREATMENT OF CEREBRAL PALSY (CP)

ID 75

TOPIC NEUROREHABILITATION

SPEAKERS HANA AZIZI (USA)
HEAKYUNG KIM (USA)
NATHAN ROSENBERG (USA)
RAJASHREE SRINIVASAN (USA)

CHAIR HANA AZIZI

ATTENDEES 60