

Programme Master Symposium Human Movement Sciences & Sport Sciences Wednesday 19 June 2024

TIME

9.00

Welcome by prof. dr. Koen Lemmink (Head of department of Human Movement Sciences)- Keuningzaal

Opening Master Symposium by chairmen of the day: prof. dr. Han Houdijk and dr. Helco van Keeken

9.30 start round 1 parallel sessions 1-5

	Session 1 - Boeringzaal	Session 2 - Keuningzaal	Session 3 - 3214.0081	Session 4 - 3219.0061	Session 5 - 3215.165
	Chair: Simone Caljouw	Chair: Riemer Vegter	Chair: Erja Portegijs	Chair: Noor Mouton	Chair: Harjo de Poel
9.40	Linde Bouma <i>The Impact of Human Assumed Central Sensitization on Lower Body Kinematics During Lifting in Patients With Chronic Low Back Pain: A Cross-Sectional and Longitudinal Study Protocol and Pilot Data</i> supervisor: Christian Greve	Daphne Schoemaker <i>Hypoxic hypometabolism during acute normobaric hypoxia in human participants at rest</i> supervisor: Riemer Vegter	Maaïke Wildekamp <i>Examining Associations between Physical Activity, Sedentary Time, Cardiorespiratory Fitness and Health-Related Quality of Life in People with or at Risk of Cardiovascular Disease and/or Osteoarthritis</i> supervisor: Erja Portegijs	Meike Meijer <i>The Course of Functional Range of Motion of Major Joints in the First 6 Months after Burns in Adults and the Impact of Burn Location</i> supervisor: Noor Mouton	Nina de Haan <i>Analyzing Muscle Co-Activation within the Extension Synergy during Gait in Healthy Adults using an Isolated Leg-Swinging Task</i> supervisor: Tom Buurke
10.00	Thijs de Jong <i>Reassessing Spatial Bias in Healthy Individuals: The Impact of Task-Induced Spatial Directionality and Aging During Congruent Movement Training</i> supervisor: Simone Caljouw	Luc Tilman <i>Clustering analysis of a 10 second sprint in multiple court wheelchair sports: an insight look into propulsion technique</i> supervisor: Riemer Vegter	Quint van der Leeuw <i>Does wearing compression garments during recovery improve running performance in subsequent training sessions? A randomized controlled trial</i> supervisor: Matthias Kempe	Wouter van Diepen <i>Navigating the Waters of Talent Development: Retrospectively Relating Junior Multidimensional Performance Characteristics to Senior Performance in Female Swimmers</i> supervisor: Marije Elferink-Gemser	Sanne Beerta <i>Perceived Teacher Support provided by Physical Education Teachers: Its Association with Children's Psychological Needs and Motivation</i> supervisor: Esther Hartman
10.20	Fleur van Dijk <i>Exploring Differences in Gait Variability in Patients with Chronic Low Back Pain that Display High or Low Features of Human Assumed Central Sensitization: a Study Protocol and Pilot Data</i> supervisor: Christian Greve	Wybe van Vlokhoven <i>The impact of vision while fielding in baseball: an exploratory research</i> supervisor: Frank Zaal	Iraklis Tsigkos <i>External Load Indicators and Their Influence on Goal Scoring Success: A Novel xG-Based Metric Analysis</i> supervisor: Matthias Kempe	Anne Sueters <i>Representativeness of Routinely Collected Patient-Reported Outcomes in Dutch Burn Care: Insights from the Burn centers Outcomes Registry the Netherlands (BORN)</i> supervisor: Noor Mouton	Danique Vierhoven <i>Dynamic connectivity analysis in generalized dystonia: a cross-sectional study</i> supervisor: Tom Buurke
10.40	Beatriz Nasser <i>Exercise Capacity during Oncology Rehabilitation: Determinants of improvement of VO₂peak after rehabilitation in cancer survivors</i> supervisor: Christian Greve	Martha Muñoz Brouwer <i>Test-retest reliability of the Exercise Performance and Effort Regulation Tendencies Questionnaire (EXPERT-Q)</i> supervisor: Frank Zaal	Desirée Nijland <i>The association of greenspaces with physical activity in older adults living in urban and rural areas: an objective and subjective approach</i> supervisor: Erja Portegijs	Joost Doornkamp <i>Modifiable and Unmodifiable Risk Factors: Understanding Injury Occurrence in Growing Youth Athletes</i> supervisor: Marije Elferink-Gemser	Laura Pikkaart <i>The feasibility of a laser distance measuring device to determine forward velocity profiles and step duration during the start in speed skating</i> supervisor: Harjo de Poel

11.00-11.30 Coffee & Tea break - Hall 3219

11.30 start round 2 parallel sessions 6-10

	Session 6 - Boeringzaal	Session 7 - Keuningzaal	Session 8 - 3214.0081	Session 9 - 3219.0061	Session 10 - 3215.165
	Chair: Matthias Kempe	Chair: Marieke van Heuvelen	Chair: Esther Hartman	Chair: Marije Elferink-Gemser	Chair: Koen Lemmink
11.30	<p>Mink Ruyvekamp <i>Immersive Exploration: The influence of decision-making on lower limb kinematics on male football players in a VR environment.</i> <i>The future of injury prevention?</i> supervisor: Anne Benjaminse</p>	<p>Ype Faber <i>Psychological Skills and Performance Variation in Youth Judo athletes</i> supervisor: Johan de Jong</p>	<p>Nienke Paauwe <i>The relationship between psychological needs, motivation and leisure time PA in primary school children</i> Supervisor: Esther Hartman</p>	<p>Daphne Harmsen <i>Individual vs. group-based self-regulation in junior long-track speed skating</i> <i>From individual speed skater to team performer</i> supervisor: Marije Elferink-Gemser</p>	<p>Sander Kerkhof <i>The influence of ball possession status on physical match demands in academy football players</i> supervisor: Koen Lemmink</p>
11.50	<p>Michelle van der Neut <i>The synchronization of successful and non-successful defensive actions in handball: using position tracking data to analyse collective behaviour</i> supervisor: Matthias Kempe</p>	<p>Ruth Feenstra <i>Substitution for final MGP article</i> supervisor: Marieke van Heuvelen</p>	<p>Marieke Pijnenburg <i>Is it an obstacle or simply an object? The use of proactive gaze allocation during route selection through dynamic environments</i> supervisor: Rob den Otter</p>	<p>Sanne Huisken <i>Biomechanical analysis of one-handed shooting for wheelchair handball</i> <i>classification: trunk rotational ability is essential for ball speed</i> supervisor: Riemer Vegter</p>	<p>Lars Dijkstra <i>Age-related differences in corticocortical coherence during passive and active elbow movements</i> supervisor: Menno Veldman</p>
12.10	<p>Wiebe Piers <i>Discrepancies Between Planned and Executed Training Duration in Talented Dutch Youth Cyclists</i> supervisor: Matthias Kempe</p>	<p>Mandy Heuwekemeijer <i>Associations between 24-hour Movement Behaviors and Behavioral and Psychological Symptoms of Dementia (BPSD) in individuals with Dementia during the Transition to Nursing Homes: A Pilot Study</i> supervisor: Marieke van Heuvelen</p>	<p>Nynke Popken <i>On the relationship between motivation in physical education and motor skill performance in typically developing children and children with learning disorders</i> supervisor: Esther Hartman</p>	<p>Sven Kerkhoffs <i>The importance of Agility on Tennis Performance Level Five Years Later</i> supervisor: Marije Elferink-Gemser</p>	<p>Yuhao Zhang <i>The effect of tactical formations on physical and technical-tactical performance in elite football players</i> supervisor: Koen Lemmink</p>

12.30-14.00 Lunch & poster presentations- Hall 3219/Hall paintings

14.00 start round 3 parallel sessions 11-15

	Session 11 - Boeringzaal	Session 12 - Keuningzaal	Session 13 - 3214.0081	Session 14 - 2319.0061	Session 15 - 3215.165
	Chair: Michel Brink	Chair: Rob den otter	Chair: Frank Zaal	Chair: Matthias Kempe	Chair: Han Houdijk
14.00	<p>Mark Versteegen <i>From Setback to Success: Understanding the Time Course of Return to Play in Professional Football Injuries</i> supervisor: Michel Brink</p>	<p>Anne Mauritsz <i>The strength, power and performance development of talented adolescent speed skaters - a longitudinal study</i> supervisor: Marije Elferink-Gemser</p>	<p>Inge Salzmann <i>Predicting shoulder load during wheelchair activities in daily life: The importance of real-world validation of machine learning algorithms</i> supervisor: Riemer Vegter</p>	<p>Giovanni Bouwman <i>Comparison of Fast Paced Volleyball Specific Accelerations and Decelerations Measured by the Advanced Sports Tracking System KINEXON</i> supervisor: Matthias Kempe</p>	<p>Saskia Huiberts <i>The Cost of Daily Life: Energy Cost of Persons With a Lower Limb Amputation During Activities of Daily Living A pilot study</i> supervisor: Han Houdijk</p>
14.20	<p>Floks van der Beek <i>Reducing the Risk of Anterior Cruciate Ligament Injuries During Unanticipated Sidestep Cutting Through Video Instruction and Feedback in Youth Soccer Girls</i> supervisor: Anne Benjaminse</p>	<p>Carmen van der Peet <i>Battling for your position: Tactical behaviour actions characterising success in short-track speed skating</i> supervisor: Marije Elferink-Gemser</p>	<p>Mats van der Weel <i>Adaptive Perceptual-Motor Strategies in Football (Soccer): The Role of Peripheral Vision and Time Constraints – A Case Study</i> supervisor: Frank Zaal</p>	<p>Nienke Willems <i>Life event stress and recovery, and their association with time-loss injuries in male youth football players</i> supervisor: Koen Lemmink</p>	<p>Kevin Koopman <i>Rhythmic Auditory Stimulation and Running Pattern Stability: Insights from Overground Running Experiments</i> supervisor: Harjo de Poel</p>
14.40	<p>Frank Brals <i>From Lab to Field: The Effects of Video instruction and Feedback on Lower Extremity Joint Angles in Talented Female Soccer Players during Unanticipated Side-Step Cutting</i> supervisor: Anne Benjaminse</p>	<p>Imre Nieuwenhuis <i>The efficacy and feasibility of a virtual reality exergame intervention in long-stay intensive care unit patients</i> supervisor: Rob den Otter</p>	<p>Tom Höltnke <i>Lower Limb Movement Asymmetry Exists During Volleyball Stop-Jump Landing</i> supervisor: Riemer Vegter</p>	<p>Marit Sloots <i>The Relation between the Cluster Phase Method and Successful Defence in Elite Male Soccer</i> supervisor: Matthias Kempe</p>	<p>Selena Kranenburg <i>Variations in Adherence to Postoperative Cardiac Rehabilitation Programs in the North of the Netherlands and Its Impact on Recovery of Physical Fitness</i> supervisor: Han Houdijk</p>

15.00-15.30 Coffee & Tea break - Hall 3219

15.35-15.50 **Welcome back - Keuningzaal**
Ceremony best oral presentation- and best poster award
Closing symposium