

### AMS publications 2021

We are proud to present the publications published in Amsterdam Movement Sciences research institute in 2021, listed in alphabetical order. The publications clearly show the wide range of topics that are studied by scientists within the institute, as well as the interdisciplinarity, the quality and the topics of societal relevance.

1. 23andMe Research Team. / The Genetic Architecture of Depression in Individuals of East Asian Ancestry : A Genome-Wide Association Study. In: **JAMA Psychiatry**. 2021 ; Vol. 78, No. 11. pp. 1258-1269.
2. Adams, Jo ; Wilson, Nicky ; Hurkmans, Emalie ; Bakkers, Margot ; Baláová, Petra ; Baxter, Mark ; Blavnsfeldt, Anne Birgitte ; Briot, Karine ; Chiari, Catharina ; Cooper, Cyrus ; Dragoi, Razvan Gabriel ; Gäbler, Gabriele ; Lems, Willem ; Mosor, Erika ; Pais, Sandra ; Simon, Cornelia ; Studenic, Paul ; Tilley, Simon ; De La Torre-Aboki, Jenny ; Stamm, Tanja A. / 2019 EULAR points to consider for non-physician health professionals to prevent and manage fragility fractures in adults 50 years or older. In: **Annals of the rheumatic diseases**. 2021 ; Vol. 80, No. 1. pp. 57-64.
3. Admiraal, M. M. ; Ramos, L. A. ; Delgado Olabarriaga, S. ; Marquering, H. A. ; Horn, J. ; van Rootselaar, A. F. / Quantitative analysis of EEG reactivity for neurological prognostication after cardiac arrest. In: **Clinical neurophysiology**. 2021 ; Vol. 132, No. 9. pp. 2240-2247.
4. Afzali-Hashemi, Liza ; Baas, Koen P. A. ; Schrantee, Anouk ; Coolen, Bram F. ; van Osch, Matthias J. P. ; Spann, Stefan M. ; Nur, Erfan ; Wood, John C. ; Biemond, Bart J. ; Nederveen, Aart J. / Impairment of Cerebrovascular Hemodynamics in Patients With Severe and Milder Forms of Sickle Cell Disease. In: **Frontiers in physiology**. 2021 ; Vol. 12.
5. AGCH-Study Group. / Two European Examples of Acute Geriatric Units Located Outside of a General Hospital for Older Adults With Exacerbated Chronic Conditions. In: **Journal of the American Medical Directors Association**. 2021 ; Vol. 22, No. 6. pp. 1228-1234.
6. AGEHIV Cohort Study Group. / Generally rare but occasionally severe weight gain after switching to an integrase inhibitor in virally suppressed AGEHIV cohort participants. In: **PLoS ONE**. 2021 ; Vol. 16, No. 5 May.
7. Aitken, Rachel ; Harun, Nur Shirin ; Maier, Andrea Britta. / Which preoperative screening tool should be applied to older patients undergoing elective surgery to predict short-term postoperative outcomes? Lessons from systematic reviews, meta-analyses and guidelines. In: **Internal and emergency medicine**. 2021 ; Vol. 16, No. 1. pp. 37-48.
8. Ajime, T.T. ; Serre, J. ; Wust, R.C.I. ; Burniston, J.G. ; Maes, K. ; Janssens, W. ; Troosters, T. ; Gayan-Ramirez, G. ; Degens, H. / The combination of smoking with vitamin D deficiency impairs skeletal muscle fiber hypertrophy in response to overload in mice. In: **Journal of Applied Physiology**. 2021 ; Vol. 131, No. 1. pp. 339-351.
9. Ajime, Tom Tanjeko ; Serré, Jef ; Wüst, Rob C I ; Messa, Guy Anselme Mpaka ; Poffé, Chiel ; Swaminathan, Anandini ; Maes, Karen ; Janssens, Wim ; Troosters, Thierry ; Degens, Hans ; Gayan-Ramirez, Ghislaine. / Two weeks of smoking cessation reverse cigarette smoke-induced skeletal muscle atrophy and mitochondrial dysfunction in mice. In: **Nicotine and Tobacco Research**. 2021 ; Vol. 23, No. 1. pp. 143-151.
10. Akturk, Afram ; van Netten, Jaap J. ; Vermeer, Marloes ; Kruse, Rombout R. ; Schaper, Nicolaas C. ; van Gemert-Pijnen, Lisette J. E. W. C. ; van Baal, Jeff G. / Improved outcomes in patients with diabetic foot ulcers despite of differences in baseline characteristics. In: **Wound repair and regeneration**. 2021 ; Vol. 29, No. 6. pp. 912-919.
11. Alkaduhimi, Hassanin ; Connelly, James W. ; van Deurzen, Derek F. P. ; Eygendaal, Denise ; van den Bekerom, Michel P. J. / High Variability of the Definition of Recurrent Glenohumeral

- Instability: An Analysis of the Current Literature by a Systematic Review. In: **Arthroscopy, Sports Medicine, and rehabilitation**. 2021 ; Vol. 3, No. 3. pp. e951-e966.
12. Allen, P.M. ; Mann, D.L. ; van der Linde, I. ; Beukes, E.W. / Perspectives of a new sport-specific Para Shooting classification system for athletes with vision impairment. In: **Journal of sports sciences**. 2021 ; Vol. 39, No. sup1. pp. 198-208.
  13. Altini, Marco ; Dunne, Lucy E. / What's Next for Wearable Sensing?. In: **IEEE Pervasive Computing**. 2021 ; Vol. 20, No. 4. pp. 87-92.
  14. Altini, Marco ; Kinnunen, Hannu. / The promise of sleep : A multi-sensor approach for accurate sleep stage detection using the oura ring. In: **SENSORS**. 2021 ; Vol. 21, No. 13.
  15. Altini, Marco ; Plews, Daniel. / What is behind changes in resting heart rate and heart rate variability? A large-scale analysis of longitudinal measurements acquired in free-living. In: **SENSORS**. 2021 ; Vol. 21, No. 23. pp. 1-18.
  16. Altink, J. Nienke ; Kerkhoffs, Gino M. M. J. / Emerging Biological Treatment Methods for Ankle Joint and Soft Tissue Conditions: Clinical Applications as Alternative or Adjuvant : Clinical Applications as Alternative or Adjuvant. In: **Foot and ankle clinics**. 2021 ; Vol. 26, No. 1. pp. 225-235.
  17. Amsterdam UMC Covid-19 Biobank. / Head-to-head validation of six immunoassays for SARS-CoV-2 in hospitalized patients. In: **Journal of clinical virology**. 2021 ; Vol. 139.
  18. Amsterdam UMC Covid-19 Biobank. / Intramuscular adipose tissue at level Th12 is associated with survival in COVID-19. In: **Journal of cachexia, sarcopenia and muscle**. 2021 ; Vol. 12, No. 3. pp. 823-827.
  19. Andersen, Eivind ; van der Ploeg, Hidde P. ; van Mechelen, Willem ; Gray, Cindy M. ; Mutrie, Nanette ; van Nassau, Femke ; Jelsma, Judith G. M. ; Anderson, Annie S. ; Silva, Marlene N. ; Pereira, Hugo V. ; McConnachie, Alex ; Sattar, Naveed ; Sørensen, Marit ; Røynesdal, Øystein B. ; Hunt, Kate ; Roberts, Glyn C. ; Wyke, Sally ; Gill, Jason M. R. / Contributions of changes in physical activity, sedentary time, diet and body weight to changes in cardiometabolic risk. In: **EuilInternational journal of behavioral nutrition and physical activity**. 2021 ; Vol. 18, No. 1.
  20. Andersson, Erik P. ; Noordhof, Dionne A. ; de Koning, Jos J. ; Stöggl, Thomas L. ; Björklund, Glenn. / Editorial: Anaerobic Energy/Work Supply in Endurance Activities—The Importance and Effect of Computational Method. In: **Frontiers in sports and active living**. 2021 ; Vol. 3, No. November. pp. 1-2.
  21. Andringa, Aukje ; Meskers, Carel ; van de Port, Ingrid ; Zandvliet, Sarah ; Scholte, Larissa ; de Groot, Jurriaan ; Kwakkel, Gert ; van Wegen, Erwin. / Quantifying neural and non-neural components of wrist hyper-resistance after stroke : Comparing two instrumented assessment methods. In: **Medical Engineering and Physics**. 2021 ; Vol. 98. pp. 57-64.
  22. Ankle Instability Group. / Three-dimensional analysis of anterior talofibular ligament strain patterns during cadaveric ankle motion using a miniaturized ligament performance probe. In: **BMC Musculoskeletal Disorders**. 2021 ; Vol. 22, No. 1.
  23. Ankleplatform Study Collaborative –Science of Variation Group. / Increasing consensus on terminology of Achilles tendon-related disorders. In: **Knee Surgery, Sports Traumatology, Arthroscopy**. 2021 ; Vol. 29, No. 8. pp. 2528-2534.
  24. Apeldoorn, Adri T. ; Den Arend, Marjolein C. ; Schuitemaker, Ruud ; Egmond, Dick ; Hekman, Karin ; Van Der Ploeg, Tjeerd ; Kamper, Steven J. ; Van Tulder, Maurits W. ; Ostelo, Raymond W. / Interrater agreement and reliability of clinical tests for assessment of patients with shoulder pain in primary care. In: **Physiotherapy Theory and Practice**. 2021 ; Vol. 37, No. 1. pp. 177-196.

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26. Ashkani-Esfahani, Soheil ; Noorafshan, Ali ; Ebrahimi, Alireza ; Bahmani-Jahromi, Maryam ; Imanieh, Mohammad-Hossein ; Ebrahimi, Sedigheh ; Hosseini, Sahar ; Tanideh, Nader. / Salvia officinalis protects pancreatic beta-cells against streptozotocin-induced damage; A stereological study. In: **Jundishapur Journal of Natural Pharmaceutical Products**. 2021 ; Vol. 17, No. 1.
27. ATKOS group. / Design and rationale of the ATtune Knee Outcome Study (ATKOS): multicenter prospective evaluation of a novel uncemented rotating platform knee system. In: **BMC Musculoskeletal Disorders**. 2021 ; Vol. 22, No. 1. pp. 622.
28. Azevedo, Cláudia ; Macedo, Maria Helena ; Almeida, Andreia ; Pinto, Soraia ; van Loon, Jack J. W. A. ; Sarmiento, Bruno. / The effect of hypergravity in intestinal permeability of nanoformulations and molecules. In: **European journal of pharmaceutics and biopharmaceutics : official journal of Arbeitsgemeinschaft fur Pharmazeutische Verfahrenstechnik e.V.** 2021 ; Vol. 163. pp. 38-48.
29. Azijli, K. ; Lieveld, A. W. E. ; van der Horst, S. F. B. ; de Graaf, N. ; Kootte, R. S. ; Heijmans, M. W. ; van de Ven, P. M. ; Peters, E. J. G. ; Heijmans, J. ; Terragnoli, P. ; Natalini, G. ; Abu Hilal, M. ; de Rooij, T. ; Nanayakkara, P. W. B. / Predicting poor outcome in patients with suspected COVID-19 presenting to the emergency department (COVERED) - Development, internal and external validation of a prediction model. In: **Acute Medicine**. 2021 ; Vol. 20, No. 1. pp. 4-14.
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33. Baazil, A. H. A. ; Dobbe, J. G. G. ; van Spronsen, E. ; Ebbens, F. A. ; Dijkers, F. G. ; Streekstra, G. J. ; de Wolf, M. J. F. / A volumetric three-dimensional evaluation of invasiveness of an endoscopic and microscopic approach for transmeatal visualisation of the middle ear. In: **Journal of laryngology and otology**. 2021 ; Vol. 135, No. 5. pp. 410-414.
34. Babaeeghazvini, Parinaz ; Rueda-Delgado, Laura M. ; Gooijers, Jolien ; Swinnen, Stephan P. ; Daffertshofer, Andreas. / Brain Structural and Functional Connectivity : A Review of Combined Works of Diffusion Magnetic Resonance Imaging and Electro-Encephalography. In: **Frontiers in human neuroscience**. 2021 ; Vol. 15, No. October. pp. 1-23.
35. Bach, Margit M ; Daffertshofer, Andreas ; Dominici, Nadia. / The development of mature gait patterns in children during walking and running. In: **European Journal of Applied Physiology**. 2021 ; Vol. 121, No. 4. pp. 1073-1085.
36. Bach, Margit M. ; Daffertshofer, Andreas ; Dominici, Nadia. / Muscle Synergies in Children Walking and Running on a Treadmill. In: **Frontiers in human neuroscience**. 2021 ; Vol. 15, No. May. pp. 1-14.

37. Bahat, G. Istan ; Ilhan, Birkan ; Erdogan, Tugba ; Oren, Meryem Merve ; Karan, Mehmet Akif ; Burkhardt, Heinrich ; Denkinger, Michael ; Garfinkel, Doron ; Cruz-Jentoft, Alfonso J. ; Morrissey, Yvonne ; Onder, Graziano ; Pazan, Farhad ; Tommelein, Eline ; Topinkova, Eva ; van der Velde, Nathalie ; Petrovic, Mirko. / International Validation of the Turkish Inappropriate Medication Use in the Elderly (TIME) Criteria Set: A Delphi Panel Study. In: **Drugs & Aging**. 2021 ; Vol. 38, No. 6. pp. 513-521.
38. Bakermans, Adrianus J. ; Boekholdt, S. Matthijs ; de Vries, Dylan K. ; Reckman, Yolán J. ; Farag, Emile S. ; de Heer, Paul ; Uthman, Laween ; Denis, Simone W. ; Zuurbier, Coert J. ; Houtkooper, Riekelt H. ; Koolbergen, David R. ; Kluin, Jolanda ; Planken, R. Nils ; Lamb, Hildo J. ; Webb, Andrew G. ; Strijkers, Gustav J. ; Beard, Daniel A. ; Jeneson, Jeroen A. L. ; Nederveen, Aart J. / Quantification of Myocardial Creatine and Triglyceride Content in the Human Heart: Precision and Accuracy of in vivo Proton Magnetic Resonance Spectroscopy. In: **Journal of magnetic resonance imaging**. 2021 ; Vol. 54, No. 2. pp. 411-420.
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40. Baksas-Aasen, K. ; Gall, L. S. ; Stensballe, J. ; Juffermans, N. P. ; Curry, N. ; Maegele, M. ; Brooks, A. ; Rourke, C. ; Gillespie, S. ; Murphy, J. ; Maroni, R. ; Vulliamy, P. ; Henriksen, H. H. ; Pedersen, K. Holst ; Kolstadbraaten, K. M. ; Wirtz, M. R. ; Kleinveld, D. J. B. ; Schäfer, N. ; Chinna, S. ; Davenport, R. A. ; Naess, P. A. ; Goslings, J. C. ; Eaglestone, S. ; Stanworth, S. ; Johansson, P. I. ; Gaarder, C. ; Brohi, K. / Viscoelastic haemostatic assay augmented protocols for major trauma haemorrhage (ITACTIC): a randomized, controlled trial. In: **Intensive Care Medicine**. 2021 ; Vol. 47, No. 1. pp. 49-59.
41. Baldwin, Christine ; de van der Schueren, Marian A. E. ; Kruizenga, Hinke M. ; Weekes, Christine Elizabeth. / Dietary advice with or without oral nutritional supplements for disease-related malnutrition in adults. In: **Cochrane Database of Systematic Reviews** (Online). 2021 ; Vol. 2021, No. 12.
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45. Baniaamam, Milad ; Heslinga, Sjoerd C. ; Boekel, Laura ; Konings, Thelma C. ; Louis Handoko, M. ; Kamp, Otto ; van Halm, Vokko P. ; van der Horst-Bruinsma, Irene E. ; Nurmohamed, Mike T. / The prevalence of cardiac diseases in a contemporary large cohort of dutch elderly ankylosing spondylitis patients— the cardas study. In: **Journal of Clinical Medicine**. 2021 ; Vol. 10, No. 21.

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51. Bekius, Annike ; Bach, Margit M. ; van de Pol, Laura A. ; Harlaar, Jaap ; Daffertshofer, Andreas ; Dominici, Nadia ; Buizer, Annemieke I. / Early Development of Locomotor Patterns and Motor Control in Very Young Children at High Risk of Cerebral Palsy, a Longitudinal Case Series. In: **Frontiers in human neuroscience**. 2021 ; Vol. 15. pp. 659415.
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