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Gait characteristics as indicators of cognitive impairment in geriatric patients

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CURRICULUM VITAE

I was born on New Year's Day 1990 in Hoogeveen, the Netherlands. In 2008, I moved to Groningen to study Human Movement Sciences, and specialised in 'Healthy Aging' during the 2-year master program. The following 3 years I worked on my PhD-project, which was an international collaboration, 'a co-tutelle', between the Université Grenoble Alpes and the University of Groningen. I was registered at two graduate schools: research institute School of Health Research (SHARE; Groningen) and L'Ecole Doctorale Ingénierie pour la Santé, la Cognition et l' Environnement (EDSICE; Grenoble). The project resulted in two theses on the same topic.

As a human movement scientist specialized in Healthy Aging I am highly motivated to improve health and maintain quality of life of individuals. I have been intrigued by the medical world since I was a child, and I am still fascinated by the endless complexity of the human body and brain. Although I originally wished to study Medicine, I have come to realize that studying Human Movement Sciences significantly contributed to my knowledge of medical, biological, technical, and behavioural aspects of human health. My PhD-project therefore perfectly suited my interests and competences, as it combined applied clinical science with technological innovations.

Currently, I am looking forward to continue my career at ProScoop in Zwolle, where I will start as junior advisor on March ^{1st}, 2018. Proscop is a non-profit organisation that gives independent healthcare advice, initiates new collaborations between healthcare facilities, and connects different stakeholders.

SCIENTIFIC OUTPUT

Walking ability to predict future cognitive decline in old adults: A scoping review.

Lisette H.J. Kikkert, Nicolas Vuillerme, Jos P. van Campen, Tibor Hortobágyi, Claudine J.C. Lamoth.

Ageing Res Rev. 2016; 27:1–14.

Gait Dynamics to Optimize Fall Risk Assessment in Geriatric Patients Admitted to an Outpatient Diagnostic Clinic.

Lisette H.J. Kikkert, Maartje H. de Groot, Jos P. van Campen, Jos H. Beijnen, Tibor Hortobágyi, Nicolas Vuillerme, Claudine C.J. Lamoth.

PLoS One. 2017; 12:e0178615.

Fall risk factors in frail geriatric patients: how can we optimize fall risk assessment?

Lisette H.J. Kikkert, Maartje H. de Groot, Jos P. van Campen, Jos H. Beijnen, Tibor Hortobágyi, Nicolas Vuillerme, Claudine C.J. Lamoth.

Conference abstract: European geriatric medicine 7 (Suppl. 1): S96, October 2016.

Discriminating geriatric patients with and without cognitive impairment: What's in someone's gait?

Lisette H.J. Kikkert, Nicolas Vuillerme, Jos P. van Campen, Tibor Hortobágyi, Claudine C.J. Lamoth.

Conference abstract: International Society of Gait and Posture, Fort Lauderdale, Florida.

Gait characteristics and their discriminative power in geriatric patients with and without cognitive impairment.

Lisette H.J. Kikkert, Maartje H. de Groot, Jos P. van Campen, Jos H. Beijnen, Tibor Hortobágyi, Nicolas Vuillerme, Claudine C.J. Lamoth.

J Neuroengineering Rehabil. 2017; 14:84.

The association between gait dynamics and future cognitive decline; an explorative pilot-study in geriatric patients.

Lisette H.J. Kikkert, Nicolas Vuillerme, Jos P. van Campen, Tibor Hortobágyi, Claudine J.C. Lamoth.

Int Psychogeriatr. 2017; 1–9.

CONFERENCE CONTRIBUTIONS

Walking ability to predict future cognitive decline in old adults: a scoping review.

Lisette H.J. Kikkert, Nicolas Vuillerme, Jos P. van Campen, Tibor Hortobágyi,

Claudine J.C. Lamoth.

Oral presentation at Geriatriedagen, conference 2016, 's-Hertogenbosch, the Netherlands.

Fall risk factors in frail geriatric patients: how can we optimize fall risk assessment?

Lisette H.J. Kikkert, Maartje H. de Groot, Jos P. van Campen, Jos H. Beijnen, Tibor Hortobágyi, Nicolas Vuillerme, Claudine C.J. Lamoth.

Poster presentation at 12th Congress of the European Union Geriatric Medicine Society (EUGMS), conference 2016, Lisbon, Portugal.

Using the IPod to quantify dynamic measures of gait independent of step detection. An innovative way to classify walking performance of young, healthy older and cognitive impaired older adults.

Claudine C.J. Lamoth, Jos P. van Campen, **Lisette H.J. Kikkert**, Nicolas Vuillerme.

Poster presentation at 12th Congress of the European Union Geriatric Medicine Society (EUGMS) conference 2016, Lisbon, Portugal.

Fall risk factors in vulnerable geriatric patients: How can we optimize fall risk assessment?

Lisette H.J. Kikkert, Maartje H. de Groot, Jos P. van Campen, Jos H. Beijnen, Tibor Hortobágyi, Nicolas Vuillerme, Claudine C.J. Lamoth.

Poster presentation at VVBN symposium (Dutch association for Human Movement Sciences), conference 2016, Maastricht, the Netherlands.

Gait characteristics and their discriminative power in geriatric patients with and without cognitive impairment.

Lisette H.J. Kikkert, Nicolas Vuillerme, Bregje A. Appels, Jos P. van Campen, Tibor Hortobágyi, Claudine J.C. Lamoth.

Symposium at Geriatriedagen, conference 2017, 's-Hertogenbosch, the Netherlands.

Discriminating geriatric patients with and without cognitive impairment: What's in someone's gait?

Lisette H.J. Kikkert, Nicolas Vuillerme, Bregje A. Appels, Jos P. van Campen, Tibor Hortobágyi, Claudine J.C. Lamoth.

Oral presentation at ISPGR World Congress, conference 2017, Fort Lauderdale, Florida.