

## CURRICULUM VITAE

### PERSONALIA

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Name and Surname: Bart Dingenen  
Address: Kloosterstraat 2/11 3590  
Diepenbeek  
Place of birth and date: Genk, 28/12/1986  
Nationality: Belgian  
Mobile phone: 0032495 60 75 19  
E-mail address: bart.dingenen@uhasselt.be  
Belgian physical therapist license number: 5-37934-28-527

### WORK EXPERIENCE

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Doctor-assistent (70%) – University of Hasselt	10/2016 – now
Physical therapist in private clinical practice (30%) – Motion to Balance, Genk, Belgium	10/2016 – now
Doctor-assistent (80%) – KU Leuven	10/2015 – 09/2016
Doctor-navorser (20%) – University of Hasselt	10/2015 – 09/2016
Assistent (100%) – KU Leuven	10/2009 – 09/2015
Physical therapist in private clinical practice (100%) – Private practice Stefanie Joosten, Kinrooi, Belgium	07/2009 – 09/2009

### STUDIES & EDUCATION

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PhD in Rehabilitation Sciences & Physiotherapy, entitled “Postural control in relation to knee and ankle injuries during quasi-static and dynamic tasks” - KU Leuven	2009-2015
Postgraduate Advanced Musculoskeletal Rehabilitation: Manual Therapy and Sport Physical Therapy - KU Leuven	2009-2010
Rehabilitation Sciences & Physiotherapy - KU Leuven	2004-2009

### AWARDS

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American College of Sports Medicine Biomechanics Interest Group Student Research Award - San Diego - United States - 05/2015

Most popular poster award - 14th Scandinavian Congress of Medicine & Science in Sports – Copenhagen – Denmark - 1-3 February 2018.

### ADDITIONAL INFORMATION

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#### Articles in internationally reviewed academic journals:

Alli Gokeler, **Bart Dingenen**. Between-session and inter-rater reliability of the modified tuck jump assessment in healthy adult athletes. (2019). *Physical Therapy in Sport*. 37:10-14.

Annemie Smeets, Bart Malfait, **Bart Dingenen**, Mark Robinson, Jos Vanrenterghem, Koen Peers, Stefaan Nijs, Styn Vereecken, Filip Staes, Sabine Verschueren. (2019). Is knee neuromuscular activity related to anterior cruciate ligament injury risk? A pilot study. *The Knee*. 26: 40-51.

**Bart Dingenen**, Christian Barton, Tessa Janssen, Anke Benoit, Peter Malliaras. (2018). Test-retest reliability of two-dimensional video analysis during running. *Physical Therapy in Sport*. 33: 40-47.

Jack Dix, Stephanie Marsh, **Bart Dingenen**, Peter Malliaras. (2018). The relationship between hip muscle strength and dynamic knee valgus in asymptomatic females: a systematic review. *Physical Therapy in Sport*. Epub ahead of print.

**Bart Dingenen**, Lincoln Blandford, Mark Comerford, Filip Staes, Sarah Mottram. (2018). The assessment of movement health in clinical practice: a multidimensional perspective. *Physical Therapy in Sport*. 32: 282-292

Kevin Deschamps, Maarten Eerdeken, Jurre Geentjens, Lieselot Santermans, Lien Steurs, **Bart Dingenen**, Maarten Thysen, Filip Staes. (2018). A novel approach for detection and exploration of joint coupling patterns in the lower limb kinetic chain. *Gait & Posture*. 62:372-377.

Deschamps, K., Matricali, G., **Dingenen, B.**, De Boeck, J., Bronselaer, S., Staes F. (2018). Foot and ankle kinematics in chronic ankle instability subjects using a midfoot strike pattern when running, including influence of taping. *Clinical Biomechanics*. 54:1-7.

**Dingenen, B.**, Staes, F.F., Santermans, L., Steurs, L., Eerdeken, M., Geentjens, J., Peers, K.H.E., Thysen, M., Deschamps, K (2018). Are two-dimensional measured frontal plane angles related to three-dimensional measured kinematic profiles during running? *Physical Therapy in Sport*, 29:84-92.

**Dingenen, B.** Gokeler, A. (2017) Optimization of the return to sport paradigm after anterior cruciate ligament reconstruction: a critical step back to move forward. *Sports Medicine*. 47(8):1487-1500.

Gokeler, A., **Dingenen, B.**, Mouton, C., Seil, R. Clinical course and recommendations for patients after ACL injury and subsequent ACL reconstruction: a narrative review. *EFORT Open Reviews*, 2017;2(10):410-420.

**Dingenen, B.**, Deschamps, K. Delchambre, F., Van Peer, E., Staes, F.F., Matricali, G.A (2017). Effect of taping on multi-segmental foot kinematic patterns during walking in persons with chronic ankle instability. *Journal of Science and Medicine in Sport*, 20(9):835-840.

**Dingenen, B.**, Malfait, B., Nijs, S., Peers, K., Vereecken, S., Verschueren, S., Janssens, L., Staes, F. (2016). Postural stability during single-leg stance: a preliminary evaluation of non-contact lower extremity injury risk. *Journal of Orthopaedic and Sports Physical Therapy*, 46 (8), 650-657.

Rafeeuddin, R., Sharir, R., Staes, F., **Dingenen, B.**, George, K., Robinson, M., Vanrenterghem, J. (2016). Mapping current research trends on neuromuscular risk factors of non-contact ACL injury. *Physical Therapy in Sport*, 22, 101-113.

Sharir, R., Rafeeuddin, R., Staes, F., **Dingenen, B.**, George, K., Vanrenterghem, J., Robinson, M. (2016). Mapping current research trends on anterior cruciate ligament injury risk against the existing evidence: In vivo biomechanical risk factors. *Clinical Biomechanics*, 37, 34-43.

**Dingenen, B.**, Janssens, L., Claes, S., Bellemans, J., Staes, F. (2016). Lower extremity muscle activation onset times during the transition from double-leg stance to single-leg stance in anterior cruciate ligament reconstructed subjects. *Clinical Biomechanics*, 35, 116-123.

Malfait, B., **Dingenen, B.**, Smeets, A., Staes, F., Pataky, T., Robinson, M., Vanrenterghem, J., Verschueren, S. (2016). Knee and hip joint kinematics predict quadriceps and hamstrings neuromuscular activation patterns in drop jump landings. *PLoS One*, 11 (4)

Deschamps, K., **Dingenen, B.**, Pans, F., Van Bavel, I., Matricali, G., Staes, F. (2016). Effect of taping on foot kinematics in persons with chronic ankle instability. *Journal of Science and Medicine in Sport*, 19 (7), 541-546.

**Dingenen, B.**, Janssens, L., Luyckx, T., Claes, S., Bellemans, J., Staes, F. (2015). Postural stability during the transition from double-leg stance to single-leg stance in anterior cruciate ligament injured subjects. *Clinical Biomechanics*, 30 (3), 283-289.

**Dingenen, B.,** Janssens, L., Claes, S., Bellemans, J., Staes, F. (2015). Postural stability deficits during the transition from double-leg stance to single-leg stance in anterior cruciate ligament reconstructed subjects. *Human Movement Science, 41*, 46-58.

**Dingenen, B.,** Peeraer, L., Deschamps, K., Fieuws, S., Janssens, L., Staes, F. (2015). Muscle-activation onset times with shoes and foot orthoses in participants with chronic ankle instability. *Journal of Athletic Training, 50* (7), 688-696.

**Dingenen, B.,** Janssens, L., Luyckx, T., Claes, S., Bellemans, J., Staes, F. (2015). Lower extremity muscle activation onset times during the transition from double-leg stance to single-leg stance in anterior cruciate ligament injured subjects. *Human Movement Science, 44*, 234-245.

**Dingenen, B.,** Peeraer, L., Deschamps, K., Fieuws, S., Janssens, L., Staes, F. (2015). Influence of shoes and foot orthoses on lower extremity muscle activation onset times in healthy subjects during the transition from double-leg stance to single-leg stance. *Journal of Sports Medicine and Physical Fitness, 55* (1-2), 16-24.

**Dingenen, B.,** Malfait, B., Nijs, S., Peers, K., Vereecken, S., Verschueren, S., Staes, F. (2015). Can two-dimensional video analysis during single-leg drop vertical jumps help identify non-contact knee injury risk? A one-year prospective study. *Clinical Biomechanics, 30* (8), 781-787.

**Dingenen, B.,** Malfait, B., Vanrenterghem, J., Robinson, M., Verschueren, S., Staes, F. (2015). Can two-dimensional measured peak sagittal plane excursions during drop vertical jumps help identify three-dimensional measured joint moments?. *The Knee, 22*, 73-79.

**Dingenen, B.,** Malfait, B., Vanrenterghem, J., Verschueren, S., Staes, F. (2014). The reliability and validity of the measurement of lateral trunk motion in two-dimensional video analysis during unipodal functional screening tests in elite female athletes. *Physical Therapy in Sport, 15* (2), 117-123.

Martens, J., Janssens, L., Staes, F., **Dingenen, B.,** Daly, D. (2014). Spectrum analysis of wireless electromyography in water and on dry land: a single case example. *The Open Sports Sciences Journal, 7* (1), 1-5.

Deschamps, K., Roosen, P., Birch, I., **Dingenen, B.,** Bruyninckx, H., Desloovere, K., Aertbeliën, E., Staes, F. (2014). A novel device for standardizing marker placement at the calcaneus. *Journal of the American Podiatric Medical Association, 104* (1), 43-49.

**Dingenen, B.,** Staes, F., Janssens, L. (2013). A new method to analyze postural stability during a transition task from double-leg stance to single-leg stance. *Journal of Biomechanics, 46* (13), 2213-2219.

#### **Articles in other academic journals**

**Dingenen, B.** (2015). Oefentherapie als behandeling van het patellofemorale pijnsyndroom. *Minerva: Tijdschrift voor Evidence-based Medicine, 14* (8), 98-99.

Lambrechts, D., Van Malderen, K., **Dingenen, B.,** Van Deun, S., Janssens, L., Staes, F. (2011). Spieractivatie bij elite zwemmers: een gecontroleerde laboratoriumstudie. *Geneeskunde en Sport, 44* (1), 6-13.

#### **Articles in other professionally oriented journals**

**Dingenen, B.,** Peeraer, L., Deschamps, K., Fieuws, S., Janssens, L., Staes, F. (2016). De invloed van schoenen en zolen op spieractivatietijden bij personen met chronische enkelinstabiliteit. *PodoSophia, 24* (2), 43-46.

#### **Professionally oriented books, internationally recognised publisher; as author**

Staes, F. Vereecken, S., Daniels, K., **Dingenen, B.** (2017). *Algemene principes voor de preventie van sportletsels. Een benadering gericht op de individuele atleet vanuit kinesitherapeutisch oogpunt.* Leuven: ACCO.

Staes, F. Vereecken, S., Daniels, K., **Dingenen, B.** (2016). *Algemene principes voor de preventie van sportletsels. Een benadering gericht op de individuele atleet vanuit kinesitherapeutisch oogpunt.* Leuven: ACCO.

Staes, F., Dauw, C., Heylen, M., **Dingenen, B.** (2016). *Behandeling van patiënten met musculoskeletale aandoeningen ter hoogte van het onderste lidmaat.* Leuven: ACCO.

Staes, F., **Dingenen, B.**, Heylen, M. (2015). *Behandeling van patiënten met musculoskeletale aandoeningen ter hoogte van het onderste lidmaat.* Leuven: ACCO.

Staes, F., **Dingenen, B.**, Heylen, M. (2014). *Behandeling van patiënten met musculoskeletale aandoeningen ter hoogte van het onderste lidmaat.* Leuven: ACCO.

#### **Other academic books; as author**

Staes, F., **Dingenen, B.** (2012). *Behandeling van patiënten met musculoskeletale aandoeningen ter hoogte van het onderste lidmaat.* Leuven: Acco.

Staes, F., De Smedt-Jans, K., Daniels, K., **Dingenen, B.**, Peers, K., Thysen, M., Van Malderen, K., Vereecken, S. (2011). *Preventie van sportletsels. Een benadering gericht op de individuele atleet.* (Staes, Filip, Ed.). Leuven: Acco.

#### **Other professionally oriented books; as author**

Staes, F., **Dingenen, B.** (2013). *Behandeling van patiënten met musculoskeletale aandoeningen ter hoogte van het onderste lidmaat.* Leuven: ACCO.

#### **Article in other academic book**

**Dingenen, B.**, Staes, F., Vereecken, S. (2011). Voorbeelden uit het voetbal. In: Staes F. (Eds.), *Preventie van sportletsels. Een benadering gericht op de individuele atleet* Acco, 119-128.

**Dingenen, B.**, Vereecken, S., Staes, F., Peers, K. (2011). Letsels in het voetbal. In: , *Preventie van sportletsels. Een benadering gericht op de individuele atleet.* Leuven: Acco, 27-31.

Staes, F., De Smedt-Jans, K., Daniels, K., Thysen, M., Vereecken, S., **Dingenen, B.** (2011). Aandachtspunten bij preventie. In: , *Preventie van sportletsels. Een benadering gericht op de individuele atleet* Acco, 99-118.

#### **Meeting abstracts, presented at international scientific conferences and symposia, published or not published in proceedings or journals**

**Bart Dingenen**, Peter Malliaras, Tessa Janssen, Linde Ceyskens, Romy Vanelderren, Christian Barton. Two-dimensional video analysis during running in recreational runners with and without running-related knee injury. Sportskongres. 31 January – 2 February 2019, Copenhagen, Denmark.

**Bart Dingenen**, Filip Staes, Romy Vanelderren, Linde Ceyskens, Peter Malliaras, Christian Barton, Kevin Deschamps. Subclassification of recreational runners with a running-related injury based on running kinematics measured with two-dimensional video analysis. Sportskongres. 31 January – 2 February 2019, Copenhagen, Denmark.

**Bart Dingenen**, Jan Truijen, Johan Bellemans, Alli Gokeler. Relationships between a multidirectional reactive agility test, functional performance and patient-reported outcome measures 6 months after anterior cruciate ligament reconstruction. Sportskongres. 31 January – 2 February 2019, Copenhagen, Denmark.

Welling, W., Benjaminse, A. Lemmink, K. **Dingenen, B.**, Gokeler, A. Progressive strength training results in less deficits during rehabilitation after an ACL reconstruction. XXVII Isokinetic Medical Group Conference Football Medicine Outcomes, Barcelona, June 2018.

**Dingenen, B.**, Gokeler, A. Test-retest reliability of forward, medial and rotational single-leg hop tests. 14th Scandinavian Congress of Medicine & Science in Sports, Copenhagen, Denmark. 1-3 February 2018.

**Dingenen, B.**, Bartono, C., Janssen, T., Benoit, A., Malliaras, P. Test-retest reliability of two-dimensional video analysis during running. 14th Scandinavian Congress of Medicine & Science in Sports, Copenhagen, Denmark. 1-3 February 2018.

**Dingenen, B.**, Hawinkel, S., Petré, S., Gokeler, A. Test-retest reliability of two-dimensional video analysis of single-leg drop vertical jumps. 14th Scandinavian Congress of Medicine & Science in Sports, Copenhagen, Denmark. 1-3 February 2018.

**Dingenen, B.**, Staes, F., Santermans, L., Steurs, L., Geentjens, J., Eerdeken, M., Peers, K., Thysen, M., Deschamps, K. (2016). Are two-dimensional measured peak frontal plane joint excursions related to three-dimensional measured kinematic profiles during running?. Annual Congress of the European College of Sport Science. Vienna, 6-9 July 2016.

**Dingenen, B.**, Malfait, B., Nijs, S., Peers, K., Vereecken, S., Verschueren, S., Janssens, L., Staes, F. (2015). A prospective evaluation of postural stability during the transition from double-leg stance to single-leg stance. American College of Sports Medicine Annual Meeting. San Diego, 26-30 May 2015.

**Dingenen, B.**, Janssens, L., Claes, S., Bellemans, J., Staes, F. (2014). Postural stability during the transition from double-leg stance to single-leg stance in anterior cruciate ligament reconstructed subjects. *British Journal of Sports Medicine: vol. 48 (7)*. IOC World Conference on Prevention of Injury & Illness in Sport. Monaco, 10-12 April 2014, 585.

**Dingenen, B.**, Janssens, L., Claes, S., Bellemans, J., Staes, F. (2014). Lower extremity muscle onset times during the transition from double-leg stance to single-leg stance in anterior cruciate ligament reconstructed subjects. *British Journal of Sports Medicine: vol. 48 (7)*. IOC World Conference on Prevention of Injury & Illness in Sport. Monaco, 10-12 April 2014, 584-585.

Malfait, B., **Dingenen, B.**, Staes, F., Vanrenterghem, J., Verschueren, S. (2014). Differences in neuromuscular activity of quadriceps and hamstrings with respect to different landing patterns in female athletes. IOC World Conference Prevention of Injury and Illness in Sport. Monaco, 10-12 April 2014.

**Dingenen, B.**, Malfait, B., Vanrenterghem, J., Robinson, M., Verschueren, S., Staes, F. (2014). Are sagittal plane kinematics related to three-dimensional joint loading during the drop vertical jump test?. *British Journal of Sports Medicine: vol. 48 (7)*. IOC World Conference on Prevention of Injury & Illness in Sport. Monaco, 10-12 April 2014, 585.

Malfait, B., **Dingenen, B.**, Vanrenterghem, J., Staes, F., Verschueren, S. (2013). Neuromuscular screening for ACL injury in elite female athletes during a single-leg drop vertical jump. ISPGR. Akita (Japan), 22-26 June 2013.

**Dingenen, B.**, Malfait, B., Verschueren, S., Staes, F. (2012). The relationship between lumbopelvic motor control and two-dimensional video analysis of the vertical jump in elite female athletes. European College of Sport Sciences. Bruges, 4-7 July 2012.

**Dingenen, B.**, Malfait, B., Verschueren, S., Staes, F. (2012). The implementation of lateral trunk motion in two-dimensional video analysis during unipodal functional screening tests in elite female athletes. European College of Sport Sciences. Bruges, 4-7 July 2012.

Malfait, B., **Dingenen, B.**, Staes, F., Vanrenterghem, J., Verschueren, S. (2012). Relevance of absolute knee loading during drop vertical jump in elite female athletes. European College of Sport

Science. Bruges, 4-7 July.

**Dingenen, B.**, Peeraer, L., Deschamps, K., Janssens, L., Staes, F. (2012). Foot orthoses accelerate muscle onset times in chronic ankle instability subjects. *Medicine and Science in Sports and Exercise: vol. 44 (5S)*. American College of Sports Medicine Annual Meeting. San Francisco, 29 May 2012 - 2 June 2012, 515-515.

**Dingenen, B.**, Van Deun, S., Janssens, L., Staes, F. (2010). Patients with adductor-related groin pain show a delayed muscle onset and a lack of variation in muscle recruitment order. Primary care musculoskeletal research congress. Rotterdam, 11-13 October 2010.

#### **Meeting abstracts, presented at other scientific conferences and symposia, published or not published in proceedings or journals**

**Dingenen, B.**, Janssens, L., Claes, S., Bellemans, J., Staes, F. (2012). Lower extremity muscle activation onset times in anterior cruciate ligament reconstructed subjects. Vereniging voor Kinesiologie. Brussels, 7 December 2012.

#### **Thesis**

**Dingenen, B.**, Staes, F. (sup.), Peeraer, L. (cosup.) (2015). *Postural control in relation to knee and ankle injuries during quasi-static and dynamic tasks*.

#### **Science popularisation**

**Dingenen, B.** (2017). Podcast: ACL rehab and return to sport with Karen Litzzy.

**Dingenen, B.** (2017). Terugkeren op volle kracht. *BodyTalk (Nl. ed.)*, 112, 26-27.

**Dingenen, B.** (2015). Podcast: 2D analysis to identify ACL injury risk with dr. Andy Franklyn-Miller.

**Dingenen, B.** (2015). Het belang van een goede balans. *BodyTalk (Nl. ed.)*, 102, 24-26.

**Dingenen, B.** (2014). Knieletsels kun je voorkomen. *BodyTalk (Nl. ed.)*, 87, 22-24.