

Curriculum vitae

Personal information:

Name **DELEU Paul-André**
Date of birth July 05, 1983
Office Address Foot and Ankle Institute
Avenue Ariane 5, Building E0
1200 Brussels, Belgium
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Clinical practice:

Podiatrist, Clinical Scientist

Education:

2007 Bachelor of Science in Podiatry with distinction,
Haute Ecole Léonard de Vinci (BEL)
2009 Bachelor of Science Honours in Podiatry with First Class distinction,
University of Brighton (UK)
2013 Master of Science in Podiatry with distinction,
University of Brighton (UK)
2016 Master of Science in Mechanics, Energetics, Civil Engineering, Acoustics,
specialty Biomechanics, with distinction,
Université Claude Bernard Lyon 1 (FR)
2017 Certificate ICH-GCP (R2) Training Module
2019 PhD in Biomechanics, Biomechanics and Impact Mechanics Laboratory,
Université Claude Bernard Lyon 1 (FR)

Awards and Grants:

2007 ELSEVIER MASSON AWARD Revue du Podologue, Paris, 14/12/2007

International Clerkship:

2007 Dr. Armstrong: Center for Lower Extremity Ambulatory Research, Rosalind Franklin University, Chicago, USA

University appointments:

Department of Orthopaedics and Traumatology, Cliniques Universitaires St Luc, UCL, Brussels, Belgium:

2007-2010..... Clinical scientist

Professional societies and functions:

2007 - 2011	Member of the “Federation of the Belgian Podiatrists” (FBP)
2008 - Today	Member of the “International Foot & Ankle Biomechanics” (i-Fab)
2010 - Today	Member of the “International Society of Biomechanics” (ISB)
2017 – Today	Member of the “Société Francophone d’Analyse du Mouvement chez l’Enfant et l’Adulte” (SOFAMEA)

Responsibilities in scientific activities:

2008 - 2010	Instructor at the “Diplôme Inter-Universitaire de Chirurgie du Pied (Paris)”
2008 - Today	Instructor “podiatry”, Department of podiatry, Parnasse-ISEI, Belgium

Research publications:

- 1) **Deleu PA**, Matricali G, Leemrijse T, Deschamps K. Impact of 90 minutes running exercise on plantar loading of the forefoot : a prospective study on symptom free athletes. *Journal of Foot and Ankle Research* 2008; 1(Suppl1): 019.
- 2) Rodriguez D, Devos Bevernage B, Maldague P, **Deleu PA**, Tribak K, Leemrijse T. Medium term follow-up of the AES ankle prosthesis: high rate of asymptomatic osteolysis. *Foot Ankle Surgery* 2010; 16(2): 54-60.
- 3) Devos Bevernage B, **Deleu PA**, Maldague P, Leemrijse T. Technique and early experience with posterior arthroscopic tibiototalcalcaneal arthrodesis. *Orthopaedics and Traumatology: Surgery and Research* 2010; 96(4): 469-475.

- 4) Rodriguez D, Devos Bevernage B, **Deleu PA**, Leemrijse T. Tarsal tunnel syndrome secondary to a hypertrophy of flexor hallucis longus tendon: a case report. *Orthopaedics and Traumatology: Surgery and Research* 2010; 96(7): 829-831.
- 5) Opsomer G, **Deleu PA**, Devos Bevernage B, Leemrijse T. Assessment of the cortical thickness of the second metatarsal after isolated correction of the hallux valgus. *Foot Ankle International* 2010; 31(9) :770-776.
- 6) **Deleu PA**, Leemrijse T, Birch I, Vande Berg B, Devos Bevernage BD. Reliability of the Maestro radiographic measuring tool. *Foot Ankle International* 2010; 31(10): 884-891.
- 7) Devos Bevernage B, **Deleu PA**, Leemrijse T. The translating Weil osteotomy in the treatment of an overriding second toe: a report of 25 cases. *Foot and Ankle Surgery* 2010; 16(4): 153-158.
- 8) **Deleu PA**, Leemrijse T, Vandeleene B, Maldague P, Devos Bevernage B. Plantar pressure relief using a forefoot offloading shoe. *Foot and Ankle Surgery* 2010; 16(4): 178-182.
- 9) Besse JL, Leemrijse T, **Deleu PA**. Diabetic foot : the orthopedic surgery angle. *Orthopaedics and Traumatology: Surgery and Research* 2011; 97(3): 314-329.
- 10) Albert A, **Deleu PA**, Leemrijse T, Maldague P, Devos Bevernage B. Posterior arthroscopic subtalar arthrodesis: ten cases at one-year follow-up. *Orthopaedics and Traumatology: Surgery and Research* 2011; 97(4): 401-405.
- 11) Devos Bevernage B, **Deleu PA**, Gombault V, Maldague P, Leemrijse T. Arthrodesè sous-talienne par arthroscopie postérieure. *Ortho-Rhumato* 2012; 9(6): 242-245.
- 12) Leemrijse T, Maestro M, Tribak K, Gombault V, Devos Bevernage B, **Deleu PA**. Scarf osteotomy without internal fixation to correct hallux valgus. *Orthopaedics and Traumatology: Surgery and Research* 2012; 98(8): 921-927.
- 13) Deschamps K, Roosen P, Bruyninckx H, Desloovere K, **Deleu PA**, Matricali GA, Peeraer L, Staes F. Pattern description and reliability parameters of six force-time related indices measured with plantar pressure measurements. *Gait & Posture* 2013; 38(4): 824-829.
- 14) Deschamps K, Matricali GA, Roosen P, Nobels F, Tits J, Desloovere K, Bruyninckx H, Flour M, **Deleu PA**, Verhoeven W, Staes F. Comparison of foot segmental mobility and coupling during gait between patients with diabetes mellitus with and without neuropathy and adults without diabetes. *Clinical Biomechanics* 2013; 28(7): 813-819.

- 15) **Deleu PA**, Devos Bevernage B, Maldague P, Gombault V, Leemrijse T. Arthrodesis after failed total ankle replacement. *Foot & Ankle International* 2014; 35(6): 549-557.
- 16) Deschamps K, Roosen P, Nobels F, **Deleu PA**, Birch I, Desloovere K, Bruyninckx H, Matricali G, Staes F. Review of clinical approaches and diagnostic quantities used in pedobarographic measurements. *The Journal of Sports Medicine and Physical Fitness* 2015; 55(3): 191-204.
- 17) **Deleu PA**, Devos Bevernage B, Gombault V, Maldague P, Leemrijse T. Intermediate-term results of mobile-bearing total ankle replacement. *Foot & Ankle International* 2015; 36(5): 518-530.
- 18) **Deleu PA**, Devos Bevernage B, Birch I, Maldague P, Gombault V, Leemrijse T. Tarsal tunnel syndrome caused by the flexor digitorum accessories longus: a systematic review of the literature. *Journal of the American Podiatric Medical Association*, 2015; 105(4): 344-355.
- 19) Devos Bevernage B, Goubau L, **Deleu PA**, Gombault V, Maldague P, Leemrijse T. Posterior arthroscopic subtalar arthrodesis. *JBJS Essent Surg Tech* 2015; 5(4): e27.
- 20) Devos Bevernage B, **Deleu PA**, Birch I, Gombault V, Maldague P, Leemrijse T. Arthroscopic debridement after total ankle arthroplasty. *Foot & Ankle International* 2016; 37(2):142-149.
- 21) Tricot M, **Deleu PA**, Detrembleur C, Leemrijse T. Clinical assessment of 115 cases of hindfoot fusion with two different types of graft: Allograft+DBM+bone marrow aspirate versus autograft+DBM. *Orthopaedics and Traumatology: Surgery and Research* 2017; 103(5):697-702.
- 22) Fischer M, Vialleron T, Laffaye G, Fourcade P, Hussein T, Chèze L, **Deleu PA**, Honeine JL, Yiou E, Delafontaine A. Long-term effects of whole-body vibration on human gait: a systematic review and meta-analysis. *Frontiers in Neurology* 2019; 10:627.
- 23) Deleu PA, Besse JL, Naaim A, Leemrijse T, Birch I, Devos Bevernage B, Chèze C. Change in gait biomechanics after total ankle replacement and ankle arthrodesis: a systematic review and meta-analysis. *Clinical Biomechanics*, in press

Book chapters:

- 1) **Deleu PA**, Deschamps K, Leemrijse T. Les orthèses plantaires. Type et validités. In : Leemrijse T, Valtin B, eds. *Pathologie du Pied et de la Cheville*, Paris, Elsevier Masson ; 2009:761-772, ISBN 978-2-294-61208-4.
- 2) Borne J, Pialat JB, Coillard JY, **Deleu PA**, Leemrijse T. Avant-pied : Syndrome du deuxième rayon. In : Morvan G, Bianchi S, Boysset M, Demondion X, Fantino O, Leemrijse T, Rougereau G, eds. *Le Pied*, Paris, Sauramps Medical ; 2011 : 205-222, ISBN 978-2-84023-734-1.
- 3) Devos Bevernage B, Maldague P, Gombault V, **Deleu PA**, Leemrijse T. Acute Achilles Tendon Repair. In : Bentley G, ed. *European Surgical Orthopaedics and Traumatology : The EFORT Textbook*, Berlin, Springer Berlin Heidelberg ; 2014 :3859-3873, ISBN 978-3-642-34745-0.
- 4) Leemrijse T, Devos Bevernage B, Maldague P, Gombault V, **Deleu PA**. Les métatarsalgies latérales. In : Bouysset M, Delmi M, Morvan G, eds. *Le pied et la cheville : De la clinique aux examens complémentaires*. Paris, Sauramps Medical ; 2014,ISBN 978-284023-919-2.
- 5) Leemrijse T, **Deleu PA**. Ostéotomies distales. In : Leemrijse T, Besse J-L, Devos Bevernage B, Valtin B, 2nd ed. *Pathologie du Pied et de la Cheville*, Paris, Elsevier Masson ; 2015: 246-264, ISBN 978-2-294-73893-7.
- 6) Kofoed H, Leemrijse T, Besse J-L, **Deleu PA**. Prothèse totale de cheville. In : Leemrijse T, Besse J-L, Devos Bevernage B, Valtin B, 2nd ed. *Pathologie du Pied et de la Cheville*, Paris, Elsevier Masson ; 2015: 520-560, ISBN 978-2-294-73893-7.
- 7) **Deleu PA**, Deschamps K, Gombault V, Leemrijse T. Orthèses plantaires : Types et validités. In : Leemrijse T, Besse J-L, Devos Bevernage B, Valtin B, 2nd ed. *Pathologie du Pied et de la Cheville*, Paris, Elsevier Masson ; 2015: 907-926, ISBN 978-2-294-73893-7.
- 8) **Deleu PA**, Deschamps K, Leemrijse T, Devos Bevernage B, Gombault V, Maldague P. L'appareillage dans la prise en charge médicale des instabilités chroniques de cheville. In : Tourné Y, Mabit C, eds. *La cheville instable : De l'entorse récente à l'instabilité chronique*, Paris, Elsevier Masson ; 2015 : 158-173, ISBN 978-2-294-71456-6.

- 9) Leemrijse T, Bombaerts B, **Deleu PA**. Reconstruction ligamentaire de la cheville par allogreffe dans l'instabilité latérale chronique. In : Tourné Y, Mabit C, eds. *La cheville instable : De l'entorse récente à l'instabilité chronique*, Paris, Elsevier Masson ; 2015 : 199-204, ISBN 978-2-294-71456-6.
- 10) Devos Bevernage B, **Deleu PA**, Kurup H, Leemrijse T. Management of painful malleolar gutters after total ankle replacement. In: Roukis TS, Berlet GC, Bibbo C, Hyer CF, Penner MJ, Wünschel M, Prissel MA, eds. *Primary and revision total ankle replacement : Evidence-based surgical management*. Berlin, Springer Berlin Heidelberg ; 2016 : 223-230 , ISBN 978-3-319-24413-6.
- 11) Lafon Y, **Deleu PA**, Naaim A, Chèze L. Chapitre 5: Réussir sa revue de la littérature. In : Delafontaine A, eds *Réussir la démarche de recherche universitaire en kinésithérapie et thérapie manuelle*, Paris, Elsevier Masson ; 2019, ISBN 2294767004.