

Sébastien LOBET, PT, PhD

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Date and place of birth: 14 June 1976 in Ottignies, Belgium

Nationality: Belgian

Family situation: Single, 1 child (Julien).

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Education and certificates

- 2021: Introduction to Rasch Analysis using RUMM2030, University of Leeds (40h).
- 2020: Training certificate of "Good Clinical Practice"
- 2019: Manual Concept training in manual therapy (160 h), Vilamoura, Portugal.
- 2019: Sonographer for the Joint Activity and Damage exam (JADE) protocol: San Diego, USA.
- 2018: Agrément qualification particulière en pédiatrie
- 2017 : Early Arthropathy Detection with Ultrasound (HEAD-US) protocol.
- 2016: Training in "exercise medicine/therapy" at the Université Catholique de Louvain.
- 2015: Concept Mulligan upper and lower quadrants.
- 2015: Training in "Chronic pain and musculoskeletal disorders".
- 2012- 2014 Post-doctoral fellowship at the clinical gait laboratory of the UZ-Pellenberg, Katholiek University of Leuven (KUL), Belgium. Research subject: Functional assessment of ankle osteoarthritis in children with haemophilia.
- 2008-2012: PhD thesis at the Institute of Neurosciences, Catholic University of Louvain. "Functional assessment of haemophilic arthropathy with three-dimensional gait analysis". Promoters: Professor Cedric Hermans (Haemostasis and thrombosis Unit, UCL) and Professor Christine Detrembleur (IoNS, UCL).
- 2008-2009: Degree in Pediatric Orthopedic physiotherapy, Université Libre de Bruxelles (ULB), Belgium (*cum laude*).
- 2007-2008: Degree in manual therapy at the International Academy of Osteopathy (IAO), Belgium.
- 1999: Training in diacutaneous fibrolysis (Ekman method).
- 1999: Masters Degree in Sport Physiotherapy, Université Catholique de Louvain (UCL.), Belgium (*magna cum laude*).

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- 1994-1998: Masters Degree in Physiotherapy and Rehabilitation, Université Catholique de Louvain (UCL.), Belgium (*cum laude*).
- 1988-1994: Secondary Studies: Institut Saint Jean-Baptiste, Wavre (Belgium)

PRESENT PROFESSIONAL ACTIVITIES

- Principal trainer for physiotherapy courses for physiotherapists specialized in haemophilia cares and self-rehabilitation in limited resources countries: Mauritius (2022), Senegal (2023).
- Researcher at Cliniques universitaires Saint-Luc and NMSK lab (UCLouvain).
- Member of the editorial committee of the Revue Francophone d'Hémostase et Thrombose (RFHT).
- 2020- : Past chairman, committee member and founder of the physiotherapy group of the European Association for Haemophilia and Allied Disorders (EAHAD). <https://eahad.org/sebastien-lobet/>
- 2019- : Founder and vice-president of the Association Francophones des Physiothérapeutes spécialisés en maladies Hémorragiques (AFPH). <https://afph.eu/>
- 2017- : Manager/founder of the Da Vinci Health by Exercise Medicine Centre: <http://www.davincihealth.be>
- 2001- : Physiotherapist and researcher in the haemostasis and thrombosis unit, Cliniques universitaires Saint-Luc, Brussels, Belgium.

PAST PROFESSIONAL ACTIVITIES

- 2018-2020: Chairman of the physiotherapy group of the European Association for Haemophilia and Allied Disorders (EAHAD).
- 2003-2008: Physiotherapist at the out-patient unit of the physical medicine and rehabilitation unit of the Cliniques universitaires Saint-Luc, Bruxelles.
- 1999-2003: Physiotherapist at the orthopedic surgery unit of the Cliniques universitaires Saint-Luc, Bruxelles.
- Director of the "PHYSIOTHERAPY SCHOOL FOR HAEMOPHILIA": physiotherapy courses for physiotherapists specialized in haemophilia cares. Courses in Belgium, Slovenia, Sweden, France, Turkey.
- Teacher for the Continuous training in pediatric physiotherapy (ULB University) (2011-2017).
- Technical Adviser, teaching module of Proprioceptive Neuromuscular Facilitation (PNF) and passive mobilizations, Masters in physiotherapy, Catholic University of Louvain (UCL), Belgium (2006-2014).
- Lecturer for the anatomical palpation courses at the Physiotherapy Department of the Faculty of Medicine, Cotonou (Benin, Africa) (2002-2003).

AREAS OF EXPERTISE

- Orthopedic and post-traumatic physiotherapy of upper and lower limb joints.
- Musculoskeletal ultrasound assessment in patients with haemophilia (HEAD-US and JADE protocols).
- Musculoskeletal clinical assessment in adults and children with haemophilia.
- Research in biomechanics, gait analysis, pain, psychometric of outcome assessments.

AWARDS and FUNDINGS

- 2024 : **2nd poster prize at the 17th annual EAHAD congress** for the poster "ACTIVLIM-Hemo, a new valid, reliable, unidimensional and linear measure of activity limitations in hemophilia".

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- 2019: **Pfizer ASPIRE research grant** (185.500 €) for the project “Improving the psychometric properties of the adult and paediatric versions of the Hemophilia Activity List (HAL and pedHAL) using Rasch analysis”.
- 2019: **CSL-Behring grant** (10.000 €) for the project “Treatment optimization of haemophilic arthropathies with Orthopaedic Manual Therapy”.
- 2019: **World federation of Hemophilia 2018 Hemophilia Treatment Centre Twins of the Year Award**. Lambert ,N ’ Dogomo Meité, Ibrahima Sanogo, **Sébastien Lobet**, Eusèbe Adjambri, Stéphane Eeckhoudt and Cedric Hermans. This award recognizes the 5-year collaboration with the hemophilia treatment centre at the Yopougon University Hospital in Abidjan (Côte d'Ivoire).
- 2019: **EAHAD Research Grant Award** (50.000 €). N. Roussel, T. Hilberg, C. Lambert, S. Lobet. “Towards a better understanding of ankle pain in haemophilia patients”.
- 2014: **WFH Clinical Research Grant Program** (28.000 USD) with Dr Kevin Deschamps for the research project "Quantifying foot biomechanics in haemophilic children with ankle arthropathy through an integrated approach".
- 2013: **PFIZER ASPIRE Grant** (60.000 €) with Dr Kevin Deschamps for the research project: Functional assessment of ankle osteoarthritis in children with haemophilia.
- 2012: **BAYER Early Career Investigator Award** (200.000 USD) for the research project: Functional assessment of ankle osteoarthritis in children with haemophilia.
- 2010: **Heroes in Haemophilia Award** (10.000€), best poster presentation “An innovative approach of functional assessment of haemophilic arthropathy by three-dimensional gait analysis”.
Moving Forward in Haemophilia Partnerships in Practice Baxter meeting, La Hulpe, Belgium.
- 2009: **Henri Horoszowski Memorial Award of the World Federation of Haemophilia**: Best free paper oral presentation “Impact of haemophilic ankle arthropathy on gait disability: analysis of energetic and mechanical variables”. 11th International Musculoskeletal Congress of the World Federation of Haemophilia, Cartagena de Indias, Colombia.
- 2009: Grant from the **Salus Sanguinis Foundation** (10.000€): Force platform software and hardware update for the gait assessment of patients with haemophilia.
- 2006: Grant from the **Belgian Society on Thrombosis and Haemostasis (BSTH)** (2.000€). Training in the treatment and joint assessment of patients with Haemophilia at the Royal Women’s Hospital and Royal Children Hospital of Brisbane, Queensland, Australia.
- 2003: Grant from the **Saint-Luc Foundation** (7.000€): Training in the treatment and joint assessment of patients with Haemophilia in reference Haemophilia treatment Centres in U.K: Royal Free Hospital in London, Kent-Canterbury Haemophilia Centre and the Regional Haemophilia Reference Centre in Newcastle.

Promotorship doctoral theses

Catherine Lambert (2020)

Title: Non-substitutive strategies to improve hemophilia care in developing countries

Promotor: Prof. Cedric HERMANS

Co-promotor: Prof Philippe De Moerloose

Doctoral School of Medical Sciences UCLouvain

Role in the PhD thesis: Supervisor.

Valérie-Anne Chantrain (2023)

Title: Diving into the complexity of joint pain and activity limitations in people with haemophilia.

Promotor: Prof. Dr. Nathalie Roussel, Prof. Dr. Mira Meeus, Prof. Dr. Catherine Lambert

Co-promotor: Dr. Sébastien Lobet

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University of Antwerp – Faculty of Medicine and Health Sciences
UCLouvain – Faculté des Sciences de la Motricité

Role in the PhD thesis: Counsellor.

Anthe Foubert (2023)

Title: Gaining insight into the complexity of pain in people with haemophilia: from a biopsychosocial perspective.

Promotors: Prof. Dr. Nathalie Roussel, Prof. Dr. Mira Meeus, Prof. Dr. Cédric Hermans

Supervisor : Dr. Sébastien Lobet

Doctoral School of the University of Antwerp (Faculty of Medicine and Health Sciences) & UCLouvain (Faculty of Motor Sciences)

Role in the PhD thesis: Co-promotor.

Jean-Louis Peters-Dickie (2021-...) ONGOING

Title: From ankle sprain to chronic ankle instability: Decoding pathomechanical joint loading patterns and intrinsic foot muscle properties and functions.

Promotors: Prof. dr. Christine DETREMBLEUR and Prof. dr. Kevin DESCHAMPS

Co-promotor: Sébastien LOBET

Doctoral School of Biomedical Sciences - UCLouvain AND KU Leuven (joint PhD).

Role in the PhD thesis: Co-promotor.

PUBLICATIONS IN PEER-REVIEWED JOURNALS

- 68. **Sébastien Lobet**, Cedric Hermans, Valérie-Anne Chantraine, Anthe Foubert, Catherine Lambert, Massimo Penta. Reliability and construct validity of the ACTVLIM-Hemo and Haemophilia Activities List (HAL) questionnaires in individuals with haemophilia. *Haemophilia* 2024.
- 67. Chantraine VA, Foubert A, Meeus M, Lambert C, **Lobet S**, Maes P, Franssen E, Durnez L, Hermans C, Roussel NA. Joint status, pain and quality of life in elderly people with haemophilia: A case-control study. *Haemophilia* 2023 Oct 20.
- 66. Foubert A, Roussel NA, Chantraine VA, Maes P, Durnez L, **Lobet S**, Lambert C, Hermans C, Meeus M. The Classification of Suspected Predominant Nociceptive Pain in People with Moderate and Severe Haemophilia: A Secondary Exploratory Study. *Biomedicine* 2023 Sep 7;11(9):2479.
- 65. Evelien Krumb, Nicolas Vanlangendonck, Catherine Lambert, **Sébastien Lobet**, An Van Damme, Cédric Hermans. Building a haemophilia-specific navigator in Epic® Electronic Health Records: Single-centre preliminary experience. *Haemophilia* 2023 Sep ;29(5) :1219-1225.
- 64. Anthe Foubert, Valérie-Anne Chantraine, Mira Meeus, Philip Maes, Vincent Haenen, **Sébastien Lobet**, Catherine Lambert, Cedric Hermans, Nathalie Roussel. Psychophysical assessment of pain in adults with moderate and severe haemophilia: A cross-sectional study. *Haemophilia* 2023 Sep;29(5):1243-1258.
- 63. Valérie-Anne Chantraine, Sylvain Guillaume, Anthe Foubert, Meeus, **Sébastien Lobet**, Catherine Lambert, Frédéric Lecouvet, Cedric Hermans, Nathalie Roussel. Discordance between joint pain and imagery severity in the ankle joint and contributors of lower limb activity limitations in adults with haemophilia: A cross-sectional study. *Haemophilia* 2023 Mar;29(2):648-657.
- 62. Valérie-Anne Chantraine, Catherine Lambert, Patrick De Smet, **Sébastien Lobet**, Anthe Foubert, Mira Meeus, Cedric Hermans, Nathalie Roussel. Pain interferes with daily activities, emotions and sleep in adults with severe, moderate and mild haemophilia: A national cross-sectional survey. *Haemophilia* 2023 Mar;29(2):521-529.
- 61. Maria Elisa Mancuso, Katharina Holstein, James S O'Donnell, **Sébastien Lobet**, Robert Klamroth; FVIII Think Tank Study Group. Synovitis and joint health in patient with haemophilia: Statements from a European e-Delphi consensus study. *Haemophilia* 2023 Mar;29(2):619-628.
- 60. **Sébastien Lobet**, Catherine Lambert, Anthe Foubert, Valérie-Anne Chantraine, Nathalie Roussel, Mira Meeus, Ann Devos, Philip Maes, Cedric Hermans, Massimo Penta. ACTVLIM-Hemo: a new self-reported, unidimensional and linear measure of activity limitations in persons with hemophilia. *Haemophilia* 2023 Jan;29(1):317-328.

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- 59. Anthe Foubert, Nathalie Roussel, Valérie-Anne Chantrain, Cédric Hermans, Catherine Lambert, **Sébastien Lobet**, Mira Meeus. Pain coping behaviour strategies in people with haemophilia : A systematic literature review. *Haemophilia* 2022 Nov;28(6):902-916.
- 58. St-Louis J, Abad A, Funk S, Tilak M, Classey S, Zourikian N, McLaughlin P, **Lobet S**, Hernandez G, Akins S, Wells AJ, Manco-Johnson M, John J, Austin S, Chowdhary P, Hermans C, Nugent D, Bakeer N, Mangles S, Hilliard P, Blanchette VS, Feldman BM. The Hemophilia Joint Health Score version 2.1 Validation in Adult Patients Study: A multicenter international study. *Res Pract Thromb Haemost.* 2022 Mar 25;6(2):e12690.
- 57. Nathalie Anne Roussel, Valérie-Anne Chantrain, Anthe Foubert, Catherine Lambert, Cedric Hermans, Mira Meeus, Sylvain Guillaume, Frédéric Lecouvet, Steffen Krüger, Thomas Hilberg, **Sebastien Lobet**. Gaining more insight into ankle pain in haemophilia: A study exploring pain, structural and functional evaluation of the ankle joint. *Haemophilia* 2022 May; 28(3):480-490.
- 56. Nicolas Haelewyn, **Sebastien Lobet**, An Van Damme, Pierre-Louis Docquier, Maarten Eerdeken, Kevin Deschamps. Clinical and Biomechanical Progression after Ankle Joint Distraction in a Young Adolescent Patient with Haemophilia. *Int J Environ Res Public Health.* 2021 Oct 29;18(21):11405.
- 55. Cedric Hermans, Declan Noone, Gary Benson, Gerry Dolan, Hermann Eichler, Víctor Jiménez-Yuste, Christoph Königs, **Sébastien Lobet**, Debra Pollard, Silva Zupančić-Šalek, Maria Elisa Mancuso. Hemophilia treatment in 2021: Choosing the "optimal" treatment using an integrative, patient-oriented approach to shared decision-making between patients and clinicians. *Blood Rev.* 2022 Mar; 52:100890.
- 54. Volkan Deniz, Nevin Atalay Guzel, **Sébastien Lobet**, Ali Bülent Antmen, Hatice Ilgen Sasmaz, Abdullah Kilci, Omer Cumhur Boyraz, Ozgür Gunasti, Sanli Sadi Kurdak. Effects of a supervised therapeutic exercise program on musculoskeletal health and gait in patients with haemophilia: A pilot study. *Haemophilia* 2022 Jan ;28(1) :166-175.
- 53. Miesbach W., Barcenilla S., Golan G., **Lobet S**. Implications of haemophilia gene therapy for the changing role of the multidisciplinary team. *Haemophilia.* 2022 Jan ;28(1) :e12-e14.
- 52. B. Hidalgo, K. Deschamps, J. Van Cant, C. Dormont, T. Fraiteur, **S. Lobet**. Évaluation clinique de la cheville et de l'arrière-pied en kinésithérapie musculosquelettique. *EMC Kinésithérapie-Médecine physique-Réadaptation.* 9/19/2021. Doi : 10.1016/S1283-0887(21)48293-9.
- 51. Bakeer N, Dover S, Babyn P, Feldman BM, von Drygalski A, Doria AS, Ignas DM, Abad A, Bailey C, Beggs I, Chang EY, Dunn A, Funk S, Gibikote S, Goddard N, Hilliard P, Keshava SN, Kruse-Jarres R, Li Y, **Lobet S**, Manco-Johnson M, Martinoli C, O'Donnell JS, Papakonstantinou O, Pergantou H, Poonnoose P, Querol F, Srivastava A, Steiner B, Strike K, Timmer M, Tyrrell PN, Vidarsson L, Blanchette VS. Musculoskeletal ultrasound in hemophilia: Results and recommendations from a global survey and consensus meeting. *Res Pract Thromb Haemost.* 2021 Jul 10;5(5):e12531.
- 50. **Sébastien Lobet**, Merel Timmer, Christoph Königs, David Stephensen, Paul McLaughlin Gaetan Duport, Cédric Hermans and Maria Elisa Mancuso. The Role of Physiotherapy in the New Treatment Landscape for Haemophilia. *J. Clin. Med.* 2021, Jun 26;10(13):2822.
- 49. Catherine Lambert, N'Dogomo Meité, Ibrahima Sanogo, **Sébastien Lobet**, Cedric Hermans. Feasibility and outcomes of low-dose and low-frequency prophylaxis with recombinant extended half-life products (Fc-rFVIII and Fc-rFIX) in Ivorian children with hemophilia: Two-year experience in the setting of World Federation of Haemophilia humanitarian aid programme. *Haemophilia.* 2021 Jan;27(1):33-40.
- 48. Paul McLaughlin, Magnus Aspdahl, Ruth Elise D Matlary, Natalie Grinda, Marie Katzerova, Brian O'Mahony, David Stephensen, **Sébastien Lobet**. Comprehensive care on paper only? The challenge for physiotherapy provision in day to day haemophilia practice. *Haemophilia* 2021 Mar;27(2):e284-e286.
- 47. C. Hermans, P. L. F. Giangrande, B. O'Mahony, P. de Kleijn, M. Bedford, A. Batorova, J. Blatný, K. Jansone and on behalf of the European Haemophilia Consortium (EHC) and the **European Association for Haemophilia and Allied Disorders (EAHAD)**. European principles of inhibitor management in patients with haemophilia: implications of new treatment options. *Orphanet Journal of Rare Diseases* (2020) 15:219.
- 46. Tijskens D, **Lobet S**, Eerdeken M, Peerlinck K, Hermans C, Van Damme A, Staes F, Deschamps K. Paediatric patients with blood-induced ankle joint arthritis demonstrate physiological foot joint mechanics and energetics during walking. *Haemophilia* 2020 Sep;26(5):907-915.

- 45. **Sébastien Lobet**, Cedric Hermans, David Stephensen. The emerging clinical and scientific role of the physiotherapist in haemophilia care. *Haemophilia* 2020 Jul;26(4):560-562.
- 44. **Sébastien Lobet**, Kathelijne Peerlinck, Cedric Hermans, An Van Damme, Filip Staes, Kevin Deschamps. Acquired multi-segment foot kinematics in haemophilic children, adolescents and young adults with or without haemophilic ankle arthropathy. *Haemophilia*. 2020 Jul;26(4):701-710.
- 43. Eerdeken M, Peerlinck PK, Staes PF, Pialat PJ, Hermans PC, **Lobet S**, Scheys PL, Deschamps PK. Blood-induced cartilage damage alters the ankle joint load during walking. *J Orthop Res*. 2020 Nov;38(11):2419-2428.
- 42. Catherine Lambert, N'Dogomo Méité, Ibrahima Sanogo, **Sébastien Lobet**, Sylvia von Mackensen, Cedric Hermans. Cross-cultural adaptation and validation of Haem-A-QoL in Côte d'Ivoire. *Haemophilia* 2020 May;26(3):459-466.
- 41. Eerdeken M, Peerlinck K, Staes F, Hermans C, **Lobet S**, Deschamps K. The biomechanical behaviour of ankle and foot joints during walking with shoes in patients with haemophilia. *Haemophilia* 2020 Jul;26(4):726-734.
- 40. **Sébastien Lobet**, Nathalie Roussel, Nathalie Grinda. Le rôle de la kinésithérapie (physiothérapie) dans le suivi de l'hémophilie : l'indispensable complément. *Rev Francoph Hemost Thromb* 2020 ; 2 (1) : 5-13.
- 39. Catherine Lambert, N' Dogomo Meité, Ibrahima Sanogo, **Sébastien Lobet**, Cedric Hermans, Séverine Henrard, Victor Blanchette and Nancy L. Young. Cross-cultural adaptation and validation of the Canadian Haemophilia Outcomes-Kids' Life Assessment Tool (CHO-KLAT) in Côte d'Ivoire (the Ivory Coast). *Health and Quality of Life Outcomes* (2020) Mar 18;18(1):76.
- 38. Angela Forsyth, Greig Blamey, **Sébastien Lobet**, Paul McLaughlin. Practical Guidance for Non-Specialist Physical Therapists Managing People with hemophilia and Musculoskeletal Complications. *Health*, 2020, 12, 158-179. ISSN Online: 1949-5005. ISSN Print: 1949-4998
- 37. Eerdeken M., Peerlinck K., Staes F., Pialat J.B., Hermans C., **Lobet S**., Deschamps K., Clinical gait features are associated with MRI findings in patients with haemophilic ankle arthropathy. *Haemophilia* 2020 Mar;26(2):333-339.
- 36. **Lobet S**, Meité N, Koninckx MI, Van Overstraeten A, Kamagate AM, Hermans C, Lambert C. Implementation and assessment of a self- and community-based rehabilitation programme in patients with haemophilia from Côte d'Ivoire. *Haemophilia*. 2019 Sep;25(5):859-866.
- 35. Lambert C, Méité N, Sanogo I, **Lobet S**, Hermans C. Development and evaluation of appropriate, culturally adapted educational tools for Ivorian patient with haemophilia, haemophilia carriers and their families. *Haemophilia*, 2019 Sep;25(5):838-844.
- 34. Stephensen D, de Kleijn P, Matlary RED, Katzerova M, McLaughlin P, Ryan A, **Lobet S** on behalf of the EAHAD Physiotherapists Committee. Scope of practice of haemophilia physiotherapists: a European survey. *Haemophilia* 2019 May;25(3):514-520.
- 33. Lambert C, Meité N, Sanogo I, **Lobet S**, Adjambri E, Eeckhoudt S, Hermans C. Haemophilia in Côte d'Ivoire (the Ivory Coast) in 2017: Extensive data collection as part of the World Federation of Hemophilia's twinning programme. *Haemophilia*. 2019 Mar 25(2):236-243.
- 32. Catherine Lambert ,N ' Dogomo Meité, Ibrahima Sanogo, **Sébastien Lobet**, Eusèbe Adjambri, Stéphane Eeckhoudt and Cedric Hermans. Hemophilia carrier's awareness, diagnosis, and management in emerging countries: a cross-sectional study in Côte d'Ivoire (Ivory Coast). *Orphanet Journal of Rare Diseases* 2019 Feb 1;14(1):26.
- 31. M. A. Escobar, A. Brewer, H. Caviglia, A. Forsyth, V. Jimenez-Yuste, L. Laudenbach, **S. Lobet**, P. McLaughlin, J. O. O. Oyesiku, E. C. Rodriguez-Merchan, A. Shapiro, L. P. Solimeno. Recommendations on multidisciplinary management of elective surgery in people with haemophilia. *Haemophilia* 2018 Sep 24(5):693-702.
- 30. Giangrande PLF, Hermans C, O'Mahony B, de Kleijn P, Bedford M, Batorova A, Blatný J, Jansone K; European Haemophilia Consortium (EHC) and the **European Association for Haemophilia and Allied Disorders (EAHAD)**. European principles of inhibitor management in patient with haemophilia. *Orphanet J Rare Dis*. 2018 Apr 27;13(1):66.
- 29. Deschamps K, Staes F, Eerdeken M, Peerlinck K, Hermans C, Vandesande J, **Lobet S**. Postural control during a transition task in haemophilic children, adolescents and young adults with haemophilic ankle arthropathy. *Haemophilia* 2018 Jul; 24(4) 667-674.

- **28. Lobet S**, Cartiaux O, Peerlinck K, Henrard S, Hermans C, Detrembleur C, Deschamps K. Assessment of passive musculoarticular ankle stiffness in children, adolescents and young adults with haemophilic ankle arthropathy. *Haemophilia*. 2018 May;24(3):e103-e112.
- 27. Brunel T, **Lobet S**, Deschamps K, Hermans C, Peerlinck C, Vandesande J, Pialat JB. Reliability and clinical features associated with the IPSP MRI tibiotalar and subtalar joint scores in children, adolescents and young adults with haemophilia. *Haemophilia*. 2018 Jan; 24(1):141-148.
- **26. Lobet S**, Croisier JL, Lantin AC, Hermans C, Peerlinck K, Vandesande J, Pialat JB, Deschamps K. Deficits of ankle muscle strength not found in children, adolescents and young adults with haemophilic ankle arthropathy. *Haemophilia* 2017, Sep;23(5):e409-e418.
- **25. Lobet S**, McCarthy A; Hermans C, Peerlinck K, Matricali G, Staes F, Deschamps K. Biomechanical markers and theoretical concepts related to hemophilic ankle and subtalar joint arthropathy: introducing the term "hemophilic tarsal pan-arthropathy". *Haemophilia* 2017, Jul;23(4):e250-e258.
- 24. Deschamps K, Staes F, Peerlinck K, Van Geet K, Hermans C & **Lobet S**. Erratum to: Postural control of typical developing boys during the transition from double-leg stance to single-leg stance. *Eur J Pediatr* 2017 Mar;176(3):42
- 23. Kevin D., Filip S., Kathelijne P., Kristel VG, Cedric H. & **Sébastien L**. Postural control of typical developing boys during the transition from double-leg stance to single-leg stance. *Eur J Pediatr* 2017; 176(2): 273-278.
- 22. Berntorp E, Dargaud Y, Hart D, **Lobet S**, Mancuso ME, d'Oiron R, Perry D, Pollard D, van den Berg M, Blatný J, Chambost H, Doria AS, Holme PA, Kaczmarek R, Mantovani L, McLaughlin P, Nanayakkara L, Petrini P, Sannié T, Laane E, Maia R, Dettoraki A, Farrell A, Halimeh S, Raza S, Taylor S. The Second Team Haemophilia Education Meeting, 2016, Frankfurt, Germany. *Eur J Haematol*. 2017 Jan;98 Suppl 85:1-15.
- 21. Deschamps K, Staes F, Peerlinck K, Van Geet C, Hermans C, Matricali GA, **Lobet S**. 3D multi-segment foot kinematics in children: A developmental study in typically developing boys. *Gait and posture*. 2017 Feb 52: 40-44.
- **20. Lobet S**, Lambert C., Hermans C. Stop only advising physical activity in adults with haemophilia... prescribe it now! The role of exercise therapy and nutrition in chronic musculoskeletal diseases. *Haemophilia* 2016.Nov;22(6):e554-e556.
- 19. Astermark J., Hart D., **Lobet S**, Blatny J., D'Oiron R., Kenet G., Dolan G., Libotte V., Hermans C. Partnering to change the world for people with haemophilia: 6th Haemophilia Global Summit, Prague, Czech Republic, 24–26th September 2015. *European Journal of Haematology* 2016; 97 Suppl. 84 (3–23).
- **18. Lobet S**; Hermans C.; Detrembleur C. L'analyse quantifiée de la marche: principes et applications cliniques. In: *Louvain médical*, Vol. 135, no.4, p. 207-212 (2016). <http://hdl.handle.net/2078.1/174645>.
- 17. Hermans C., Dolan G., Jennings I, Windyga J, **Lobet S**., Rodriguez-Merchan EC, Di Minno MN, Jimenez-Yuste V, O'Mahony B. Managing Haemophilia for life: 5th Haemophilia Global Summit. *Eur J Haematol*. 2015 Oct; 95 Suppl 78: 1-25.
- 16. **Lobet S**, Hermans C, Lambert C. Optimal management of hemophilic arthropathy and hematomas. *Journal of Blood Medicine* 2014, 5:207-218.
- 15. Astermark J, Dolan G, Hilberg T, Jiménez-Yuste V, Laffan M, Lassila R, **Lobet S**, Martinoli C, Perno CF. Managing haemophilia for life: 4th haemophilia global summit. *Haemophilia*. 2014 Jul;20 Suppl 5:1-20.
- 14. **Lobet S**, Hermans C. Functional assessment of haemophilic arthropathy with three-dimensional gait analysis. *Belg J Hematol* 2013; 4(2): 72-76.
- **13. Lobet S**, Detrembleur C, Massaad F, Hermans C. Three-Dimensional Gait Analysis Can Shed New Light on Walking in Patients with Haemophilia. *The Scientific World Journal* (2013), May 13;2013:284358.
- 12. Negrier C, Seuser A, Forsyth A, **Lobet S**, Llinas A, Rosas M, Heijnen L. The benefits of exercise for patients with haemophilia and recommendations for safe and effective physical activity. *Haemophilia* (2013) Jul;19(4):487-98.

- 11. **Lobet S**, Detrembleur C., Hermans C. Impact of multiple joint impairments on the energetics and mechanics of walking in patients with haemophilia. *Haemophilia* 2013 Mar;19 (2):e66-72.
- 10. **Lobet S**, Hermans C, Bastien G.J., Massaad F., Detrembleur C. Impact of ankle osteoarthritis on the energetic and mechanics of gait: The case of hemophilic arthropathy. *Clinical Biomechanics* 27 (2012), 625-31.
- 9. **Lobet S**, Detrembleur C, Lantin AC, Haenecour L, Hermans C. Functional impact of custom-made foot orthoses in patients with haemophilic ankle arthropathy. *Haemophilia* (2012) May;18(3):e227-35.
- 8. **Lobet S**. and Hermans C. La prise en charge des hémarthroses chez les patients hémophiles. Partie 1: pathophysiologie et diagnostic. *Ortho-Rhumato VOL 10, N°1*, 2012.
- 7. **Lobet S**. and Hermans C. La prise en charge des hémarthroses chez les patients hémophiles. Partie 2: traitement. *Ortho-Rhumato VOL 10, N°2*, 2012.
- 6. **Lobet S**, Hermans C, Pasta G, Detrembleur C. Body structure versus body function in haemophilia: the case of haemophilic ankle arthropathy. *Haemophilia* (2011), 17(3):508-15.
- 5. **Lobet S**, Detrembleur C, Francq B, Hermans C. Natural progression of blood-induced joint damage in patients with haemophilia: clinical relevance and reproducibility of three-dimensional gait analysis. *Haemophilia* (2010), 16, 813-821.
- 4. Hermans C, Hammer F, **Lobet S**, Lambert C. Subclinical deep venous thrombosis observed in 10% of haemophilic patients undergoing major orthopaedic surgery. *J Thromb Haem.* 2010(8): 1138-40.
- 3. **Lobet S**., Pendeville E., Dalzell R., Defalque A., Lambert C., Pothen C. and Hermans C. The role of physiotherapy after Total Knee Arthroplasty in patients with haemophilia. *Haemophilia*. 2008, 14, 989-998.
- 2. De Kleijn P, Blamey G, Zourikian N, Dalzell R and **Lobet S**. Physiotherapy following elective orthopaedic procedures. *Haemophilia* 2006, 12, (suppl. 3), 108-112.
- 1. Dierick F, Avenièrre T, Cossement M, Poilvache P, **Lobet S**, Detrembleur C. Outcome assessment in osteoarthritic patients undergoing total knee arthroplasty. *Acta Orthop Belg.* 2004 Feb;70(1):38-45.

MEDICAL BROCHURES

Available online on : <https://sebastienlobet.com/brochures-materials/>

BOOK CHAPTER

- Gait in patients with haemophilia chapter 13. Sébastien Lobet, Joanne Postma-Rowden, Piet De Kleijn. *Physiotherapy management in haemophilia, Background and practical guidelines*. Editors Pet De Kleijn, Eveline Mauser-Bunschoten.
- *Physiotherapy management in patients with haemophilia*. **Lobet S.** and Stephensen D. 3rd edition of *Textbook of Hemophilia*, edited by Christine Lee, Keith Hoots and Erik Berntorp. Blackwell Publishing.
- *Rééducation orthopédique du patient hémophile*. **Lobet S.** Vade-Mecum de kinésithérapie et de rééducation fonctionnelle, 6th and 7th edition. Edition Broché. Yves Xhardez et collaborateurs. ISBN: 9782870170762.

ORAL COMMUNICATIONS AT INTERNATIONAL MEETINGS (PEER-REVIEWED ABSTRACT)

- May 12 2023: Sébastien Lobet: Musculoskeletal assessment in People With Hemophilia ... with special a focus on the ankle. World Federation of Hemophilia MSK congress, Buenos Aires, Argentina.
- May 10th 2022: Sébastien Lobet: How to follow a patient during sport activity. World Federation of Hemophilia congress, Montreal, Canada.

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- February 5th 2021: Nathalie Roussel, Valérie-Anne Chantrain, Anthe Foubert, Mira Meeus, Thomas Hilberg, Cédric Hermans, Catherine Lambert, Sébastien Lobet. Towards a better understanding of ankle pain in haemophilia patients: A study examining the relationship between structure and function, taking pain mechanisms into account. 14th annual congress of EAHAD (virtual).
- June 17th 2020: Physiotherapy post synoviothysis and synovectomy. World Federation of Hemophilia Virtual summit.
- February 4th 2020: Give a man a fish and you feed him for a day; teach a man to fish and you feed him for life: Manual Therapy Vs Self-Rehabilitation. 13th annual congress of EAHAD, The Hague, The Netherlands.
- February 7th 2018: "Radiosynovectomy - an important treatment option for patient with target joint". 11th annual congress of EAHAD, Madrid, Spain.
- October 19th 2017: "The role of physiotherapy in haemophilia care". National congress of haemophilia. Rijna, Czech Republic.
- May 5th 2017: "Global effects on lower extremity biomechanics as joint health declines". 15th MSK congress of the World Federation of Haemophilia. Seoul, South Korea.
- January 2017: "Pathophysiology of haemophilic ankle arthropathy". 10th annual congress of EAHAD, Paris, France.
- January 2017: "The contribution of physiotherapists to effective haemophilia cares". 10th annual congress of EAHAD, Paris, France.
- May 2016: "Physical activity as a treatment". THE meeting, Frankfurt, Germany.
- January 2016: "The management of severe hemarthrosis". EAHAD congress, Malmö, Sweden
- January 2016: "Multidisciplinary Interactive educational session". EAHAD congress, Malmö, Sweden.
- October 2015: "Quantifying foot biomechanics in children with haemophilic arthropathy". WFH Global Forum, Montreal, Canada.
- May 2015: " Deficit of functional ankle muscle strength is not found in young haemophiliacs with confirmed structural impairment". International Musculoskeletal Congress of the World Federation of Haemophilia, Belfast, UK.
- February 2014: "Multidisciplinary Interactive educational session". EAHAD congress, Brussels, Belgium.
- April 2011. "Pre and post-operative physiotherapy for haemophilic ankle arthropathy". S. Lobet, C. Hermans, C. Detrembleur. MSK congress of the World Federation of Haemophilia, Dubaï, United Arab Emirates.
- February 2011. "Validation of three-dimensional gait analysis (3DGA) for the assessment of hemophilic lower limb arthropathy". S. Lobet, C. Detrembleur, C Hermans. EAHAD congress, Geneva, Switzerland.
- July 2010. "Natural progression of blood-induced joint damage in patients with haemophilia: clinical relevance and reproducibility of three-dimensional gait analysis". S. Lobet, C. Detrembleur, C Hermans. World Federation of hemophilia congress, Buenos Aires, Argentina.
- July 2010. "Evidence-based physiotherapy in haemophilia cares". S. Lobet. World Federation of hemophilia congress, Buenos Aires, Argentina.
- April 2009. "Impact of haemophilic ankle arthropathy on gait disability: analysis of energetic and mechanical variables". S. Lobet, C. Hermans, C. Detrembleur. 11th International Musculoskeletal Congress of the World Federation of Haemophilia, Cartagena de Indias, Colombia.
- April 2009. "Rehabilitation of the iliopsoas muscle : How to get back the strength, the range of motion and the speed?". S. Lobet, B. Hidalgo. 11th International Musculoskeletal Congress of the World Federation of Haemophilia, Cartagena de Indias, Colombia.
- February 2009. "Clinical gait analysis : interest in patients with haemophilic arthropathy". S. Lobet. Annual Haemophilia Physical Therapy Meeting, Birmingham, UK.

- April 2008. "Le rôle de la physiothérapie dans la prise en charge de l'hémarthrose chez l'hémophile". S. Lobet. 5ème Congrès Maghrébin d'Hématologie, Marrakech, Maroc.
- January 2007. "Imagerie ostéo-articulaire et hémophilie". F. Lecouvet, B. Vande Berg, J. Malghem, S. Lobet, C. Hermans. Enseignement Inter-Universitaire de radiologie ostéo-articulaire, Lille, France.
- May 2006. "Protocols and tips for physiotherapy management following Total Knee Arthroplasty in haemophilic patients". S. Lobet, D. Pothen and C. Hermans. World Federation of hemophilia congress, Vancouver, Canada. October 2005. "Rehabilitation program for haemophilic patients undergoing TKR: the Belgian experience". S. Lobet, C. Hermans, P. Poilvache, D. Pothen, A. Defalque. 13th National Haemophilia Conference, Melbourne, Australia.
- September 2005. "Total Knee Replacement in patient with severe haemophilia: importance of an intensive rehabilitation program.". S. Lobet, C. Hermans, P. Poilvache, D. Pothen, A. Defalque. World Federation of haemophilia's 9th Musculoskeletal congress, Istanbul, Turkey.

POSTERS PRESENTED AT INTERNATIONAL MEETINGS

- Foubert A, Chantrain VA, Meeus M, Maes P, Lobet S, Lambert C, Hermans C, Roussel NA. The clinical classification of pain mechanisms in people with moderate and severe haemophilia. 16th Annual Congress of the European Association for Haemophilia and Allied Disorders (EAHAD). Manchester (England), February 2023.
- Foubert A, Chantrain VA, Meeus M, Hermans C, Lambert C, Lobet S, Roussel NA. Pain mechanisms in adults with haemophilia: research protocol of a cross-sectional study. Pain Science in Motion IV, Maastricht (the Netherlands), May 2022.
- Foubert A, Chantrain VA, Meeus M, Hermans C, Lambert C, Lobet S, Roussel NA. Illness perceptions related to joint pain in adults with haemophilia. 12th Congress of the European Pain Federation (EFIC). Dublin (Ireland), April 2022.
- Foubert A, Chantrain VA, Meeus M, Hermans C, Lambert C, Lobet S, Roussel NA. Illness perceptions related to joint pain in adults with haemophilia. 15th Annual Congress of the European Association for Haemophilia and Allied Disorders (EAHAD). Online, February 2022.
- Foubert A, Chantrain VA, Roussel NA, Lobet S, Lambert C, Hermans C, Meeus M. Pain behaviour in patients with haemophilia: a systematic review. 14th Annual Congress of the European Association for Haemophilia and Allied Disorders (EAHAD). Online, February 2021.
- July 2021. Haemophilia treatment in 2021: choosing the "optimal" treatment using an integrative, patient-orientated approach to shared decision-making between patients and clinicians. Cedric Hermans; Gary Benson; Gerry Dolan; Hermann Eichler; Víctor Jiménez-Yuste; Christoph Königs; Sébastien Lobet; Maria Elisa Mancuso; Declan Noone; Debra Pollard; Silva Zupančić Šalek. Presented at the XXIX ISTH 2021 Virtual Congress, July 17–21, 2021, hosted from Philadelphia, PA.
- February 2019. "Kinesophobia (fear of movement and reinjury) in a patient with severe hemophilia A". S. Aytac, H. Güney Deniz, S. Lobet. EAHAD congress, Prague, Czech republic.
- May 2017. "Cross-cultural adaptation of a Quality of Life measure (CHO-KLAT) for boys with haemophilia in the Ivory Coast". Catherine Lambert, N'Dogomo Meité, Ibrahima Sanogo, Sébastien Lobet, Cedric Hermans, Victor Blanchette, Nancy Young. World Federation of Haemophilia congress, Glasgow, UK.
- May 2017. "Demographics of haemophilia in the Ivory Coast in 2017. Data collection in the setting of the WFH twinning program". Catherine Lambert, N'Dogomo Meité, Ibrahima Sanogo, Sébastien Lobet, Stéphane Eeckhoudt, Cedric Hermans. World Federation of Haemophilia congress, Glasgow, UK.

- 2012. "Functional impact of foot orthoses in patients with haemophilic arthropathy". S. Lobet, C. Detrembleur & C. Hermans. BAYER hematology conference, Roma, Italy.
- 2011. "Evidence of infra-clinical soft tissue changes in asymptomatic children with haemophilia". S. Lobet, C. Detrembleur & C. Hermans. BAYER hematology conference, Budapest, Hungary.
- 2010. "An innovative approach of functional assessment of haemophilic arthropathy by three-dimensional gait analysis". S. Lobet, C. Detrembleur & C. Hermans. Moving Forward in Haemophilia Partnerships in Practice Baxter meeting, La Hulpe, Belgium.
- November 2009. Natural evolution of blood induced joint damage in patients with haemophilia: Clinical relevance of three-dimensional gait analysis". S. Lobet, C. Detrembleur & C. Hermans. Belgian Society of Thrombosis and haemostasis, Liège, Belgium.
- October 2004. Prospective study of the incidence of deep venous thrombosis in haemophiliacs undergoing major orthopaedic surgery. C. Hermans, D. Pothen, V. Deneys, S. Lobet and P. Poilvache. World Federation of Haemophilia congress, Bangkok, Thailand.

LANGUAGE SKILLS

- French: spoken and written.
- English: good knowledge orally and written.
- Spanish: basic knowledge orally and written.