



► Stijn Bogaerts

Date of birth: 30/06/1987, Tienen

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Languages: Dutch native, English fluent, French good,
German and Spanish basic

Marital status: Married to Lize Boogaerts

Computer skills: Basic knowledge of MS Word, MS Excel, MS PowerPoint

Hobbies: Fitness, running, cycling, soccer, swimming, skiing, surfing, travelling, music, reading

POSITIONS

2014 - 2018: PhD-student "Quantitative ultrasound for the evaluation of intratendinous deformation in Achilles tendons"

2017 – current: staff member department of Physical and Rehabilitation Medicine, University Hospitals Leuven

2012 - 2017: Specialist training, Physical and Rehabilitation Medicine

2014 - current: Team physician Asterix Avo, women's volleyball first division

2015 – current: Team physician Belgian Yellow Tigers, women's national team volleyball

2017 – current: Team physician Belgian Red Dragons, men's national team volleyball

EDUCATION and DEGREES

Interactive Training in Applied Good Clinical Practice for Investigators, February 2018

Master of Specialist Medicine – Fysische Geneeskunde en Revalidatie, June 2017, summa cum laude. University of Leuven, Belgium, Europe

IOC diploma in sports medicine, May 2016

Manual Therapy - Deutsche Gesellschaft für Muskuloskeletale Medizin, Akademie Boppard, April 2015

Master of Sports Medicine, June 2014, magna cum laude. University of Leuven, Belgium, Europe

Master of Medicine: June 2012, cum laude. University of Leuven, Belgium, Europe

High School, Latin-Mathematics: June 2005

BOARD MEMBER:

Directory Board of the Flemish Society of Sports Medicine

Vice-president: 2018 – current

Board member: 2014 - 2018

Directory Board of the Leuvense Reddingsclub

Bibliography

- ▶ Delabastita T., **Bogaerts S.**, Vanwanseele B. (2018). Age-Related Changes in Achilles Tendon Stiffness and Impact on Functional Activities: A Systematic Review and Meta-Analysis. *Journal of Aging and Physical Activity*. *In press*.
- ▶ Carvalho C., Slagmolen P., **Bogaerts S.**, Scheys L., D'hooge J., Peers K., Maes F., Suetens P. (2017). 3D Tendon Strain Estimation Using High-frequency Volumetric Ultrasound Images: A Feasibility Study. *Ultrason Imaging*. *Epub ahead of print*.
- ▶ Slane L.C., **Bogaerts S.**, Thelen D.G., Scheys L. (2017). Non-uniform deformation of the patellar tendon during passive knee flexion. *J Appl Biomech*. 2017 Aug 8:1-25. *Epub ahead of print*.
- ▶ **Bogaerts S.**, Carvalho C., Scheys L., Desloovere K., D'hooge J., Maes F., Suetens P., Peers K. (2017). Evaluation of tissue displacement and regional strain in the Achilles tendon using quantitative high-frequency ultrasound. *Plos ONE*, 12(7)e0181364.
- ▶ Slane L., **Bogaerts S.**, Mihejeva I., Scheys L. (2016). Evidence of patellar tendon buckling during passive knee extension. *The Knee*, 23 (5), art.nr. 10.1016/j.knee.2016.06.005.
- ▶ **Bogaerts S.**, Desmet H., Slagmolen P., Peers, K. (2016). Strain mapping in the Achilles tendon - A systematic review. *Journal of Biomechanics*, 49 (9), 1411-1419.
- ▶ **Bogaerts S.**, Peers K. Shoulder pain in swimmers: the role of isokinetic strength and muscular imbalance. *Masterpaper Master of Medicine in Sports Medicine, KU Leuven, September 2014*.

- ▶ Jennes B., **Bogaerts S.**, Bruyninckx F., Van Wambeke P., Lysens R.. Het piriformissyndroom: overzicht van de recente literatuur. *Nederlands Tijdschrift voor Geneeskunde* 2013; 69 (6): 275-285.

IC (Papers at international scientific conferences and symposia, published in full in proceedings)

- ▶ **Bogaerts, S.**, Carvalho, C., Peers, K. (2016). Evaluation of intratendinous displacement and strain in the Achilles tendon using quantitative high-frequency ultrasound imaging and an interactive clinician-friendly application. *South African Journal of Sports Medicine: Vol. 28 (2)*. International Scientific Tendinopathy Symposium. Cape Town, South Africa, 21-23 October 2016 (pp. 10-10).
- ▶ De Brito Carvalho, C., **Bogaerts, S.**, Scheys, L., D'hooge, J., Peers, K., Suetens, P. (2016). 3D tendon strain estimation on high-frequency 3D ultrasound images. A simulation and phantom study. *Proceedings ISBI 2016. IEEE international symposium on biomedical imaging - ISBI 2016*. Prague, Czech Republic, 13-16 April 2016 (pp. 172-175).
- ▶ Slane, L., **Bogaerts, S.**, Scheys, L. (2016). Evidence of patellar tendon buckling during passive extension. . Orthopaedic Research Society. Orlando, Florida, USA, 5-8 October 2015.

Awards and grants

- ▶ Winner *Trans European Scientific Contest* session: Quantitative ultrasound for the evaluation of intratendinous deformation in the Achilles tendon. ESPRM congress, Vilnius, Lithuania, May 2018.
- ▶ Runner-up *MyRehabThesis in 180 seconds* session: Quantitative ultrasound for the evaluation of intratendinous deformation in the Achilles tendon. ESPRM congress, Vilnius, Lithuania, May 2018.
- ▶ Best oral presentation: In-vivo assessment of healthy and pathological tendon mechanics using quantitative high-frequency ultrasound: exploratory study. Belgisch Congres Fysische Geneeskunde en Revalidatie, Leuven, Belgium, December 2016.
- ▶ Travel grant *Academische Stichting Leuven* for the International Scientific Tendinopathy Symposium in Cape Town, South Africa, November 2016.

