Recherche scientifique

Le service d'orthopédie de l'AZ Groeninge est également très actif dans le domaine de la recherche scientifique. Dans ce contexte, nous avons mis en place une collaboration au niveau international qui se traduit par des réunions internationales et des études multicentriques. Cette démarche scientifique nous permet d'utiliser des connaissances/techniques modernes et de les perfectionner. Vous trouverez par exemple ci-dessous une série de références de publications scientifiques réalisées à l'AZ Groeninge sur le thème de la stabilité de la cheville.

Consensus en matière d'instabilité

- Michels F, Pereira H, Calder J, Matricali G, Glazebrook M, Guillo S, Karlsson J, ESSKA-AFAS Ankle Instability Group (2018) Searching for consensus in the approach to patients with chronic lateral ankle instability: ask the expert. Knee Surg Sports Traumatol Arthrosc 26:2095-2102
- Guillo S, Bauer T, Lee JW, Takao M, Kong SW, Stone JW, Mangone PG, Molloy A, Perera A, Pearce CJ, Michels F, Tourné Y, Ghorbani A, Calder J (2013) Consensus in chronic ankle instability: Etiology, assessment, surgical indications and place for arthroscopy. Orthop Traumatol Surg Res 99:411-419

Entorse de la cheville

- Michels F, Dewyn T, Bogaerts K, De Waele C, Hamers D. The evolution of patient-reported outcome measures after a first lateral ankle sprain: A prospective study. Foot Ankle Surg. 2024 Apr 30:S1268-7731(24)00102-4. doi: 10.1016/j.fas.2024.04.012.
- Michels F, Wastyn H, Pottel H, Stockmans F, Vereecke E, Matricali G. The presence of persistent symptoms 12 months following a first lateral ankle sprain: A systematic review and meta-analysis. Foot Ankle Surg. 2021 Dec 15:S1268-7731(21)00242-3. doi: 10.1016/j.fas.2021.12.002.

Reconstruction anatomique des ligaments de la cheville

- Cordier G, Boudahmane S, Ovigue J, Michels F, Araujo Nunes G, Dallaudiere B. MRI Assessment of Tendon Graft After Lateral Ankle Ligament Reconstruction: Does Ligamentization Exist? Am J Sports Med. 2024 Mar;52(3):721-729. doi: 10.1177/03635465231225487.
- Michels F, Matricali G, Wastyn H, Vereecke E, Stockmans F. A calcaneal tunnel for CFL reconstruction should be directed to the posterior inferior medial edge of the calcaneal tuberosity. Knee Surg Sports Traumatol Arthrosc. 2021 Apr;29(4):1325-1331. doi: 10.1007/s00167-020-06134-x.
- Michels F, Cordier G, Guillo S, Stockmans F; ESKKA-AFAS Ankle Instability Group (2016) Endoscopic Ankle Lateral Ligament Graft Anatomic Reconstruction. Foot Ankle Clin 21:665-680
- Michels F, Guillo S, Vanrietvelde F, Brugman E; Ankle Instability Group, Stockmans F. (2016) How to drill the talar tunnel in ATFL reconstruction? Knee Surg Sports Traumatol Arthrosc 24(4):991-997
- Michels F, Wastyn H, Van Compernolle K, Clockaerts S, Stockmans F, Vereecke E. How to drill the calcaneal tunnel in calcaneofibular ligament reconstruction? 5th International Congress of Foot & Ankle Minimally Invasive Surgery, Marrakech, maart 2019, "PAU GOLANO" AWARD BEST POSTER
- Michels F, Cordier G, Burssens A, Vereecke E, Guillo S (2016) Endoscopic reconstruction of CFL and the ATFL with a gracilis graft: a cadaveric study Knee Surg Sports Traumatol Arthrosc 2016 24(4):1007-1014
- Cordier G, Ovigue J, Dalmau-Pastor M, Michels F. Endoscopic anatomic ligament reconstruction is a reliable option to treat chronic lateral ankle instability. Knee Surg Sports Traumatol Arthrosc. 2020 28(1):86-92
- Michels F, Matricali G, Guillo S, Vanrietvelde F, Pottel H, Stockmans F. An oblique fibular tunnel is recommended when reconstructing the ATFL and CFL. Knee Surg Sports Traumatol Arthrosc. 2020 28(1):124-131

Instabilité sous-talienne

- Michels F, Vereecke E, Matricali G. Role of the intrinsic subtalar ligaments in subtalar instability and consequences for clinical practice. Front Bioeng Biotechnol. 2023 Mar 10;11:1047134. doi: 10.3389/fbioe.2023.1047134.
- Michels F, Stockmans F, Pottel H, Matricali G. Reconstruction of the cervical ligament in patients with chronic subtalar instability. Foot Ankle Surg. 2022 Jun 18:S1268-7731(22)00110-2. doi: 10.1016/j.fas.2022.06.006.
- Michels F, Taylan O, Stockmans F, Vereecke E, Scheys L, Matricali G. The different subtalar ligaments show significant differences in their mechanical properties. Foot Ankle Surg. 2022 https://doi.org/10.1016/j.fas.2022.02.008
- Michels F, Matricali G, Vereecke E, Dewilde M, Vanrietvelde F, Stockmans F. The intrinsic subtalar ligaments have a consistent presence, location and morphology. Foot Ankle Surg. 2021 Jan;27(1):101-109. doi: 10.1016/j.fas.2020.03.002.
- Michels F, Clockaerts S, Van Der Bauwhede J, Stockmans F, Matricali G (2019) Does subtalar instability really exist? A systematic review. Foot Ankle Surg 26(2):119-127