

Sutinen M, Kontunen A, Karjalainen M, Kiiski J, Hannus J, Tolonen T et al. **Identification of breast tumors from diathermy smoke by differential ion mobility spectrometry.** *European Journal of Surgical Oncology*. 2019 Feb;45(2):141-146. <https://doi.org/10.1016/j.ejso.2018.09.005>

Hautalahti J, Joutsen A, Goebeler S, Luukkaala T, Khan J, Hyttinen J et al. **Vibration transmittance measures sternotomy stability - a preliminary study in human cadavers.** *JOURNAL OF CARDIOTHORACIC SURGERY*. 2019 Jan 7;14(1). 2. <https://doi.org/10.1186/s13019-018-0823-5>

Baino F, Barberi J, Fiume E, Orlygsson G, Massera J, Verné E. **Robocasting of Bioactive SiO₂-P₂O₅-CaO-MgO-Na₂O-K₂O Glass Scaffolds.** *Journal of Healthcare Engineering*. 2019;2019. 5153136. <https://doi.org/10.1155/2019/5153136>

Linnanmäki L, Göransson H, Havulinna J, Sippola P, Karjalainen T, Leppänen OV. **Gap Formation During Cyclic Testing of Flexor Tendon Repair.** *Journal of Hand Surgery*. 2018 Jun;43(6):570.e1-570.e8. <https://doi.org/10.1016/j.jhsa.2017.12.005>

Saviauk T, Kiiski JP, Nieminen MK, Tamminen NN, Roine AN, Kumpulainen PS et al. **Electronic Nose in the Detection of Wound Infection Bacteria from Bacterial Cultures: A Proof-of-Principle Study.** *European Surgical Research*. 2018;59(1-2):1-11. <https://doi.org/10.1159/000485461>

Högnäs G, Kivinummi K, Kallio HML, Hieta R, Ruusuvoori P, Koskenalho A et al. **Feasibility of Prostate PAXgene Fixation for Molecular Research and Diagnostic Surgical Pathology: Comparison of Matched Fresh Frozen, FFPE, and PFPE Tissues.** *American Journal of Surgical Pathology*. 2018;42(1):103-115. <https://doi.org/10.1097/PAS.0000000000000961>

Kekonen A, Bergelin M, Eriksson J-E, Kaartinen I, Viik J. **Method for Evaluation of Surgical Wound Healing: A Case Study**. In Eskola H, Väisänen O, Viik J, Hyttinen J, editors, *EMBEC & NBC 2017: Joint Conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC)*, Tampere, Finland, June 2017. Singapore: Springer. 2017. p. 446-449. (IFBME Proceedings). https://doi.org/10.1007/978-981-10-5122-7_112

Airaksinen N, Nurmi-Lüthje I, Lüthje P. **Comparison of injury severity between moped and motorcycle crashes: A Finnish two-year prospective hospital-based study.** *Scandinavian Journal of Surgery*. 2016 Mar 1;105(1):49-55. <https://doi.org/10.1177/1457496915571401>

Philandrianos C, Bertrand B, Andrac-Meyer L, Magalon G, Casanova D, Kerfant N et al. **Treatment of keloid scars with a 1210-nm diode laser in an animal model.** *Lasers in Surgery and Medicine*. 2015 Dec 1;47(10):798-806. <https://doi.org/10.1002/lsm.22428>

Leroy HA, Vermandel M, Lejeune JP, Mordon S, Reyns N. **Fluorescence guided resection and glioblastoma in 2015: A review.** *Lasers in Surgery and Medicine*. 2015 Jul 1;47(5):441-451. <https://doi.org/10.1002/lsm.22359>

Munck C, Mordon SR, Scherpereel A, Porte H, Dhalluin X, Betrouni N. **Intrapleural photodynamic therapy for mesothelioma: What place and which future?** *Annals of Thoracic Surgery*. 2015 Jun 1;99(6):2237-2245. <https://doi.org/10.1016/j.athoracsur.2014.12.077>

Leclère FM, Schoofs M, Vogt P, Casoli V, Mordon S. **1950-nm diode laser-assisted microanastomoses (LAMA): an innovative surgical tool for hand surgery emergencies.** *LASERS IN MEDICAL SCIENCE*. 2015 May 1;30(4):1269-1273. <https://doi.org/10.1007/s10103-015-1711-z>

Leclère FM, Alcolea JM, Vogt P, Moreno-Moraga J, Mordon S, Casoli V et al. **Laser-assisted lipolysis for arm contouring in Teimourian grades I and II: a prospective study of 45 patients.** *LASERS IN MEDICAL SCIENCE*. 2015 Apr 1;30(3):1053-1059. <https://doi.org/10.1007/s10103-014-1705-2>

Leclère FM, Moreno-Moraga J, Alcolea JM, Vogt PM, Royo J, Cornejo P et al. **Efficacy and safety of laser therapy on axillary hyperhidrosis after one year follow-up: A randomized blinded controlled trial.** *Lasers in Surgery and Medicine*. 2015 Feb 1;47(2):173-179. <https://doi.org/10.1002/lsm.22324>

Leclère FM, Vogt PM, Moreno-Moraga J, Alcolea JM, Casoli V, Mordon SR et al. **Laser-assisted lipolysis for neck and submental remodeling in Rohrich type IV patients: Fact or fiction?** JOURNAL OF COSMETIC AND LASER THERAPY. 2015 Feb 1;17(1):31-36. <https://doi.org/10.3109/14764172.2014.968581>

Green AL, Arnaud A, Batiller J, Eljamel S, Gauld J, Jones P et al. **A multicentre, prospective, randomized, controlled study to evaluate the use of a fibrin sealant as an adjunct to sutured dural repair.** BRITISH JOURNAL OF NEUROSURGERY. 2015;29(1):11-17. <https://doi.org/10.3109/02688697.2014.948808>

Salonen A, Lahdes-Vasama T, Mattila VM, Välipakka J, Pajulo O. **Pitfalls of femoral titanium elastic nailing.** Scandinavian Journal of Surgery. 2015;104(2):121-126.

Leclère FM, Moreno-Moraga J, Alcolea JM, Casoli V, Mordon SR, Vogt PM et al. **Laser assisted lipolysis for neck and submental remodeling in Rohrich type I to III aging neck: A prospective study in 30 patients.** JOURNAL OF COSMETIC AND LASER THERAPY. 2014 Dec 1;16(6):284-289. <https://doi.org/10.3109/14764172.2014.946053>

Mordon SR, Betrouni N, Trelles MA, Leclère FM. **New treatment options for onychomycosis.** JOURNAL OF COSMETIC AND LASER THERAPY. 2014 Dec 1;16(6):306-310. <https://doi.org/10.3109/14764172.2014.957213>

Mordon SR, Trelles MA, Leclere FM, Betrouni N. **New treatment techniques for axillary hyperhidrosis.** JOURNAL OF COSMETIC AND LASER THERAPY. 2014 Oct 1;16(5):230-235. <https://doi.org/10.3109/14764172.2014.948883>

Neff A, Chossegros C, Blanc JL, Champsaur P, Cheynet F, Devauchelle B et al. **Position paper from the IBRA Symposium on Surgery of the Head - The 2nd International Symposium for Condylar Fracture Osteosynthesis, Marseille, France 2012.** Journal of Cranio-Maxillofacial Surgery. 2014 Oct 1;42(7):1234-1249. <https://doi.org/10.1016/j.jcms.2014.03.005>

Silvola J, Kivekäs I, Poe DS. **Balloon dilation of the cartilaginous portion of the Eustachian tube.** OTOLARYNGOLOGY: HEAD AND NECK SURGERY. 2014 Jul 27;151(1):125-130. <https://doi.org/10.1177/0194599814529538>

Sillanpää PJ, Kannus P, Niemi ST, Rolf C, Felländer-Tsai L, Mattila VM. **Incidence of knee dislocation and concomitant vascular injury requiring surgery: A nationwide study.** JOURNAL OF TRAUMA AND ACUTE CARE SURGERY. 2014 Mar;76(3):715-719. <https://doi.org/10.1097/TA.0000000000000136>

Vakhitov D, Suominen V, Korhonen J, Oksala N, Salenius JP. **Independent factors predicting early lower limb intra-arterial thrombolysis failure.** ANNALS OF VASCULAR SURGERY. 2014 Jan;28(1):164-169. <https://doi.org/10.1016/j.avsg.2012.11.016>

Leclère FM, Moreno-Moraga J, Mordon S, Servell P, Unglaub F, Kolb F et al. **Laser-assisted lipolysis for cankle remodelling: A prospective study in 30 patients.** LASERS IN MEDICAL SCIENCE. 2014 Jan;29(1):131-136. <https://doi.org/10.1007/s10103-013-1279-4>

Stokbroekx T, De Boer A, Verdaasdonk RM, Vuylsteke ME, Mordon SR. **Commonly used fiber tips in endovenous laser ablation (EVLA): An analysis of technical differences.** LASERS IN MEDICAL SCIENCE. 2014;29(2):501-507. <https://doi.org/10.1007/s10103-013-1475-2>

Marqa MF, Mordon S. **Laser fractional photothermolysis of the skin: Numerical simulation of microthermal zones.** JOURNAL OF COSMETIC AND LASER THERAPY. 2014;16(2):57-65. <https://doi.org/10.3109/14764172.2013.854642>

Philandrianos C, Gonnelli D, Andrac-Meyer L, Bruno M, Magalon G, Mordon S. **Mise au point d'un modèle animal original de cicatrice chéloïde.** Annales de Chirurgie Plastique Esthétique. 2014;59(4):246-252. <https://doi.org/10.1016/j.anplas.2012.05.001>

- Peltoniemi HH, Salmi A, Miettinen S, Mannerström B, Saariniemi K, Mikkonen R et al. **Stem cell enrichment does not warrant a higher graft survival in lipofilling of the breast: A prospective comparative study.** JOURNAL OF PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY. 2013 Nov;66(11):1494-1503. <https://doi.org/10.1016/j.bjps.2013.06.002>
- Staudt CB, Gnoinski WM, Peltomäki T. **Upper airway changes in Pierre Robin sequence from childhood to adulthood.** ORTHODONTICS AND CRANIOFACIAL RESEARCH. 2013 Nov;16(4):202-213. <https://doi.org/10.1111/ocr.12019>
- Barfod KW, Nielsen F, Helander KN, Mattila VM, Tingby O, Boesen A et al. **Treatment of acute achilles tendon rupture in scandinavia does not adhere to evidence-based guidelines: A cross-sectional questionnaire-based study of 138 departments.** JOURNAL OF FOOT AND ANKLE SURGERY. 2013 Sep;52(5):629-633. <https://doi.org/10.1053/j.jfas.2013.04.012>
- Leclère FM, Alcolea J, Mordon S, Servell P, Kolb F, Unglaub F et al. **Long-term outcomes of laser assisted blepharoplasty for ptosis: About 104 procedures in 52 patients.** JOURNAL OF COSMETIC AND LASER THERAPY. 2013 Aug;15(4):193-199. <https://doi.org/10.3109/14764172.2012.758385>
- Rantanen T, Kiljander T, Salminen P, Ranta A, Oksala N, Kellokumpu I. **Reflux symptoms and side effects among patients with gastroesophageal reflux disease at baseline, during treatment with PPIs, and after nissen fundoplication.** WORLD JOURNAL OF SURGERY. 2013 Jun;37(6):1291-1296. <https://doi.org/10.1007/s00268-013-1979-8>
- Marqa MF, Mordon S, Hernández-Osma E, Trelles M, Betrouni N. **Numerical simulation of endovenous laser treatment of the incompetent great saphenous vein with external air cooling.** LASERS IN MEDICAL SCIENCE. 2013 May;28(3):833-844. <https://doi.org/10.1007/s10103-012-1141-0>
- Verscheure L, Peyrodie L, Dewalle AS, Reyns N, Betrouni N, Mordon S et al. **Three-dimensional skeletonization and symbolic description in vascular imaging: Preliminary results.** INTERNATIONAL JOURNAL OF COMPUTER ASSISTED RADIOLOGY AND SURGERY. 2013 Mar;8(2):233-246. <https://doi.org/10.1007/s11548-012-0784-4>
- Hernández Osma E, Mordon SR, Marqa MF, Vokurka J, Trelles MA. **A comparative study of the efficacy of endovenous laser treatment of the incompetent great saphenous under general anesthesia with external air cooling with and without tumescent anesthesia.** DERMATOLOGIC SURGERY. 2013 Feb;39(2):255-262. <https://doi.org/10.1111/dsu.12063>
- Pyysalo L, Luostarinen T, Keski-Nisula L, Öhman J. **Long-term excess mortality of patients with treated and untreated unruptured intracranial aneurysms.** JOURNAL OF NEUROLOGY NEUROSURGERY AND PSYCHIATRY. 2013;84(8):888-892. <https://doi.org/10.1136/jnnp-2012-303073>
- Sibolt G, Curtze S, Melkas S, Putaala J, Pohjasvaara T, Kaste M et al. **Poststroke dementia is associated with recurrent ischaemic stroke.** JOURNAL OF NEUROLOGY NEUROSURGERY AND PSYCHIATRY. 2013;84(7):722-726. <https://doi.org/10.1136/jnnp-2012-304084>
- Pyysalo MJ, Pyysalo LM, Pessi T, Karhunen PJ, Öhman JE. **The connection between ruptured cerebral aneurysms and odontogenic bacteria.** JOURNAL OF NEUROLOGY NEUROSURGERY AND PSYCHIATRY. 2013;84(11):1214-1218. <https://doi.org/10.1136/jnnp-2012-304635>
- Vuylsteke ME, Thomis S, Mahieu P, Mordon S, Fourneau I. **Endovenous laser ablation of the great saphenous vein using a bare fibre versus a tulip fibre: A randomised clinical trial.** EUROPEAN JOURNAL OF VASCULAR AND ENDOVASCULAR SURGERY. 2012 Dec;44(6):587-592. <https://doi.org/10.1016/j.ejvs.2012.09.003>
- Marqa MF, Mordon S, Betrouni N. **Laser interstitial thermotherapy of small breast fibroadenomas: Numerical simulations.** Lasers in Surgery and Medicine. 2012 Dec;44(10):832-839. <https://doi.org/10.1002/lsm.22097>
- Leclère FMP, Vögelin E, Mordon S, Alcolea J, Urdiales F, Unglaub F et al. **Nonanimal stabilized hyaluronic acid for tissue augmentation of the dorsal hands: A prospective study on 38 patients.** AESTHETIC PLASTIC SURGERY. 2012 Dec;36(6):1367-1375. <https://doi.org/10.1007/s00266-012-9974-2>

Philandrianos C, Andrac-Meyer L, Mordon S, Feuerstein JM, Sabatier F, Veran J et al. **Comparison of five dermal substitutes in full-thickness skin wound healing in a porcine model.** BURNS. 2012 Sep;38(6):820-829. <https://doi.org/10.1016/j.burns.2012.02.008>

Taanila HP, Suni JH, Pihlajamäki HK, Mattila VM, Ohrankämnen O, Vuorinen P et al. **Predictors of low back pain in physically active conscripts with special emphasis on muscular fitness.** SPINE JOURNAL. 2012 Sep;12(9):737-748. <https://doi.org/10.1016/j.spinee.2012.01.006>

Ferrag Y, Black DR, Theunis J, Mordon S. **Superficial wounding model for epidermal barrier repair studies: Comparison of erbium:YAG laser and the suction blister method.** Lasers in Surgery and Medicine. 2012 Sep;44(7):525-532. <https://doi.org/10.1002/lsm.22054>

Mordon S, Martínez-Carpio PA, Vélez M, Alves R, Trelles MA. **Terapia fotodinámica (PDT) en piel y estética: Procedimiento, materiales y método en base a nuestra experiencia.** Cirugía Plástica Ibero-Latinoamericana. 2012 Jul;38(3):287-295. <https://doi.org/10.4321/S0376-78922012000300012>

Leclère FMP, Trelles M, Moreno-Moraga J, Servell P, Unglaub F, Mordon SR. **980-nm laser lipolysis (LAL): About 674 procedures in 359 patients.** JOURNAL OF COSMETIC AND LASER THERAPY. 2012 Apr;14(2):67-73. <https://doi.org/10.3109/14764172.2012.670704>

Vuylsteke ME, Mordon SR. **Endovenous laser ablation: A review of mechanisms of action.** ANNALS OF VASCULAR SURGERY. 2012 Apr;26(3):424-433. <https://doi.org/10.1016/j.avsg.2011.05.037>

Moreno-Moraga J, Trelles MA, Mordon S, Unglaub F, Bravo E, De La Torre JR et al. **Laser-assisted lipolysis for knee remodelling: A prospective study in 30 patients.** JOURNAL OF COSMETIC AND LASER THERAPY. 2012 Apr;14(2):59-66. <https://doi.org/10.3109/14764172.2012.670248>

Marinho P, Thines L, Verscheure L, Mordon S, Lejeune JP, Vermandel M. **Recent advances in cerebrovascular simulation and neuronavigation for the optimization of intracranial aneurysm clipping.** COMPUTER AIDED SURGERY. 2012 Mar;17(2):47-55. <https://doi.org/10.3109/10929088.2011.653403>

Leclère FMP, Magalon G, Philandrianos C, Unglaub F, Servell P, Mordon S. **Prospective ex-vivo study on thermal effects in human skin phototypes II, IV and VI: A comparison between the 808, 1064, 1210 and 1320-nm diode laser.** JOURNAL OF COSMETIC AND LASER THERAPY. 2012 Feb;14(1):7-13. <https://doi.org/10.3109/14764172.2011.634419>

Hakala T, Kellokumpu-Lehtinen P, Kholová I, Holli K, Huhtala H, Sand J. **Rising incidence of small size papillary thyroid cancers with no change in disease-specific survival in finnish thyroid cancer patients.** Scandinavian Journal of Surgery. 2012;101(4):301-306.

Mattila VM, Weckström M, Leppänen V, Kiuru M, Pihlajamäki H. **Sensitivity of MRI for articular cartilage lesions of the patellae.** Scandinavian Journal of Surgery. 2012;101(1):56-61.

Leclère FMP, Schoofs M, Auger F, Buys B, Mordon S. **Évaluation du flux sanguin par imagerie en résonance magnétique fonctionnelle après anastomoses artérielles assistées par laser diode 1,9 µm.** Annales de Chirurgie Plastique Esthétique. 2011 Dec;56(6):540-547. <https://doi.org/10.1016/j.anplas.2010.03.001>

Leclère FMP, Trelles M, Mordon SR. **Cartilage reshaping for protruding ears: A prospective long term follow-up of 32 procedures.** Lasers in Surgery and Medicine. 2011 Nov;43(9):875-880. <https://doi.org/10.1002/lsm.21126>

Pyysalo LM, Niskakangas TT, Keski-Nisula LH, Kähärä VJ, Öhman JE. **Long term outcome after subarachnoid haemorrhage of unknown aetiology.** JOURNAL OF NEUROLOGY NEUROSURGERY AND PSYCHIATRY. 2011 Nov;82(11):1264-1266. <https://doi.org/10.1136/jnnp.2010.239335>

Leclère FMP, Mordon S, Leroy M, Lefebvre C, Schoofs M. **Presentation, microsurgical therapy, and clinical outcomes in three cases of expanding melanonychia of the nail unit in children.** Archives of Orthopaedic and Trauma Surgery. 2011 Oct;131(10):1453-1457. <https://doi.org/10.1007/s00402-011-1288-3>

Mattila VM, Huttunen TT, Sillanpää P, Niemi S, Pihlajamäki H, Kannus P. **Significant change in the surgical treatment of distal radius fractures: A nationwide study between 1998 and 2008 in Finland.** Journal of Trauma - Injury, Infection and Critical Care. 2011 Oct;71(4):939-942. <https://doi.org/10.1097/TA.0b013e3182231af9>

Mordon S, Trelles MA. **Ventajas de la cicatrización cutánea asistida por láser (LASH).** Cirugia Plastica Ibero-Latinoamericana. 2011 Oct;37(4):387-392. <https://doi.org/10.4321/S0376-78922011000400012>

Vuylsteke ME, Martinelli T, Van Dorpe J, Roelens J, Mordon S, Fourneau I. **Endovenous laser ablation: The role of intraluminal blood.** EUROPEAN JOURNAL OF VASCULAR AND ENDOVASCULAR SURGERY. 2011 Jul;42(1):120-126.

Rantanen TK, Oksala NK, Honkanen TT, Räsänen JV, Sihvo EI, Mattila JJ et al. **Proliferative and anti-apoptotic activity of esophageal mucosa in gastroesophageal reflux disease is not affected by fundoplication: A 4-year follow-up study.** European Surgical Research. 2011 Jun;47(1):5-12. <https://doi.org/10.1159/000326948>

Leclère FMP, Schoofs M, Mordon S. **Revue historique et orientations futures aux microsutures vasculaires conventionnelles.** Annales de Chirurgie Plastique Esthétique. 2011 Jun;56(3):232-240. <https://doi.org/10.1016/j.anplas.2009.12.009>

Leclère FMP, Schoofs M, Buys B, Mordon SR. **1.9 µm diode laser assisted vascular microanastomoses: Experience in 40 clinical procedures.** Lasers in Surgery and Medicine. 2011 Apr;43(4):293-297. <https://doi.org/10.1002/lsm.21055>

Rantanen T, Honkanen T, Paavonen T, Rantanen L, Oksala N. **Altered expression of HSP27 and HSP70 in distal oesophageal mucosa in patients with gastro-oesophageal reflux disease subjected to fundoplication.** EJSO. 2011 Feb;37(2):168-174. <https://doi.org/10.1016/j.ejso.2010.10.013>

Leclère FM, Duquennoy-Martinot V, Schoofs M, Buys B, Mordon S. **Trente ans de microanastomoses vasculaires assistées par laser des perspectives cliniques?** NEUROCHIRURGIE. 2011 Feb;57(1):1-8. <https://doi.org/10.1016/j.neuchi.2010.08.002>

Mattila VM, Sillanpää P, Salo T, Laine HJ, Mäenpää H, Pihlajamäki H. **Orthotic insoles do not prevent physical stress-induced low back pain.** EUROPEAN SPINE JOURNAL. 2011 Jan;20(1):100-104. <https://doi.org/10.1007/s00586-010-1496-5>

Vuola J, Öhman J, Mäkitie AA. **Microvascular free flap reconstruction of skull base penetrating tumors.** JOURNAL OF RECONSTRUCTIVE MICROSURGERY. 2011;27(5):313-319. <https://doi.org/10.1055/s-0031-1278715>

Sillanpää PJ, Mattila VM, Visuri T, Mäenpää H, Pihlajamäki H. **Patellofemoral osteoarthritis in patients with operative treatment for patellar dislocation: A magnetic resonance-based analysis.** KNEE SURGERY SPORTS TRAUMATOLOGY ARTHROSCOPY. 2011;19(2):230-235. <https://doi.org/10.1007/s00167-010-1285-z>

Rantanen T, Neuvonen P, Iivonen M, Tomminen T, Oksala N. **The impact of fibrin glue in the prevention of failure after Nissen fundoplication.** Scandinavian Journal of Surgery. 2011;100(3):181-185.