

Original articles in peer-reviewed journals

Langer A, Hasenauer S, Flotz A, **Gassner L**, Pokan R, Dabnicki P, Wizany L, Gruber J, Roth D, Zimmel S, Treven M, Schmoeger M, Willinger U, Maetzler W, Zach H. A randomised controlled trial on effectiveness and feasibility of sport climbing in Parkinson's disease. NPJ Parkinson's Disease. 2021;7(49), [10.1038/s41531-021-00193-8](https://doi.org/10.1038/s41531-021-00193-8)

Langer A, **Gassner L**, Flotz A, Hasenauer S, Gruber J, Wizany L, Pokan R, Maetzler W, Zach H. How COVID-19 will boost remote exercise-based treatment in Parkinson's disease: a narrative review. NPJ Parkinson's Disease. 2021;7(25), [10.1038/s41531-021-00160-3](https://doi.org/10.1038/s41531-021-00160-3)

Gassner L, Geretsegger M, Mayer-Ferbas J. Effectiveness of music therapy for autism spectrum disorder, dementia, depression, insomnia and schizophrenia: update of systematic reviews. European Journal of Public Health. 2022;32(1):27-34, [10.1093/eurpub/ckab042](https://doi.org/10.1093/eurpub/ckab042)

Gassner L, Dabnicki P, Pokan R, Schmoeger M, Willinger U, Maetzler W, Moser H, Zach H. Therapeutic climbing in Parkinson's disease: Differences in self-reported health and well-being, feasibility and clinical changes. Physiotherapy Theory & Practice. 2022;1-15, [10.1080/09593985.2022.2036279](https://doi.org/10.1080/09593985.2022.2036279)

Gassner L, Wild C, Walter M. Clinical Effectiveness and Safety of Implantable Bulking Agents for Faecal Incontinence: A Systematic Review. BMC Gastroenterology. 2022; 22:389, [10.1186/s12876-022-02441-4](https://doi.org/10.1186/s12876-022-02441-4)

Gassner L, Zechmeister-Koss I, Reinsperger I. National strategies for preventing and managing non-communicable diseases in selected countries. Frontiers in Public Health. 2022;10:838051, [10.3389/fpubh.2022.838051](https://doi.org/10.3389/fpubh.2022.838051)

Langer A, Lucke-Paulig L, **Gassner L**, Krüger R, Weiss D, Gharabaghi A, Zach H, Maetzler W, Hobert MA. Additive Effect of Dopaminergic Medication on Gait Under Single and Dual-Tasking Is Greater Than of Deep Brain Stimulation in Advanced Parkinson Disease With Long-duration Deep Brain Stimulation. Neuromodulation. 2022;S1094-7159(22)00036-8, [10.1016/j.neurom.2022.01.015](https://doi.org/10.1016/j.neurom.2022.01.015)

Langer A, Roth D, Santer A, Flotz A, Gruber J, Wizany L, Hasenauer S, Pokan R, Dabnicki P, Treven M, Zimmel S, Schmoeger M, Willinger U, **Gassner L**, Maetzler W, Zach H. Climb up! Head up! Climbing improves posture in Parkinson's disease. A secondary analysis from a randomized controlled trial. Clinical Rehabilitation. 2023;37(11):1492-1500, [10.1177/02692155231174990](https://doi.org/10.1177/02692155231174990)

Gassner L, Dabnicki P, Langer A, Pokan R, Zach H, Ludwig M, Santer A. The Therapeutic Effects of Climbing: A Systematic Review and Meta-Analysis. Physical Medicine and Rehabilitation. 2023, [10.1002/pmrj.12891](https://doi.org/10.1002/pmrj.12891)

Langer A, Hansen C, Roth D, Santer A, Flotz A, Gruber J, Wizany L, Hasenauer S, Pokan R, Dabnicki P, Treven M, Zimmel S, Schmoeger M, Willinger U, **Gassner L**, Brücke C, Maetzler W, Zach H. Vertical locomotion improves horizontal locomotion: effects of climbing on gait and other mobility aspects in Parkinson's disease. A secondary analysis from a randomized controlled trial. J Neuroeng Rehabil. 2024;21(1):63, [10.1186/s12984-024-01363-4](https://doi.org/10.1186/s12984-024-01363-4)

Grössmann-Waniek N, Riegelneegg M, **Gassner L**, Wild C. Robot-assisted surgery in thoracic and visceral indications: an updated systematic review. Surg Endosc. 2024;38(3):1139-1150, [10.1007/s00464-023-10670-1](https://doi.org/10.1007/s00464-023-10670-1)

Gassner L, Hofer V, Zechmeister-Koss I, Reinsperger I. Osteopathy: effectiveness and safety for musculoskeletal pain – a systematic review. Journal of bodywork & movement therapies. 2025 (under review)

Health Technology Assessments (HTAs)

Gassner L and Mayer-Ferbas J (2020): [Effectiveness of Music Therapy for Autism Spectrum Disorder, Dementia, Depression, Insomnia and Schizophrenia](#). HTA-Projektbericht 133.

Walter M and **Gassner L** (2021): [Liposuction for surgical therapy of lipoedema](#). Decision Support Document 125.

Gassner L and Reinsperger I (2021): [National strategies and programmes for preventing and managing non-communicable diseases in selected countries](#). HTA-Projektbericht 139.

Gassner L and Wild C (2021): [Implantation of Bulking Agents for Faecal Incontinence. Update 2021](#). Decision Support Document 87/1.

Gassner L, Wild C and Hofer V (2022): [Chemosaturation with percutaneous hepatic perfusion for patients with liver cancer](#). Decision Support Document 133.

Gassner L and Hofer V (2022): [Osteopathy: effectiveness and safety for musculoskeletal pain and overview of training and quality requirements](#). HTA-Projektbericht 144.

Rochet E, Stringer D, **Gassner L**, Vandeppeer, M., Forel, D., Bachlani, A. and Duncan, J. (2022): [Hepatic and portal vein embolisation prior to major hepatectomy](#). Decision Support Document 130.

Strohmaier C and **Gassner L** (2022): [Quality Registries in Dementia Care: Mapping of Registries to improve Quality and Service Delivery](#). HTA-Projektbericht 150.

Riegelnegg M and **Gassner L** and Grössmann-Waniek, N. (2023): [Robot-assisted surgery in thoracic and visceral indications – Update 2023](#). HTA-Projektbericht 108/ Update 2023.

Gassner L, Al Froukh RF and Goetz G (2023): [Transcranial magnetic resonance-guided high-intensity focused ultrasound treatment in patients with drug-resistant essential tremor](#). Decision Support Document 136.

Oral presentations at conferences

Gassner L. CLIMB UP, HEAD UP! Sportklettern mit Morbus Parkinson. 2. Interdisziplinäre Klettersymposium ROCK ON", Vienna. October 21, 2017.

Gassner L. Kletterprojekt "CLIMB UP, HEAD UP!". Infoveranstaltung der Parkinson Selbsthilfe Wien zum Weltparkinsonstag, Vienna. May, 2018.

Gassner L. Effectiveness of Music Therapy for Autism Spectrum Disorder, Dementia, Depression, Insomnia and Schizophrenia. Update of Systematic Reviews. 10th Nordic Music Therapy Conference. Helsinki, Finland. April 28-30, 2022.

Gassner L. Clinical Effectiveness and Safety of Implantable Bulking Agents for Faecal Incontinence: A Systematic Review. Health Technology Assessment International Annual Meeting. Utrecht, The Netherlands. June 25-29, 2022.

Poster presentations at conferences

Gassner L, Flotz A, Gruber J, Wizany L, Hasenauer S, Pokan R, et al. Sport climbing and stigmatizing symptoms in Parkinson's disease. In: Dela F, Müller E, Tsolakidis E, editors. Poster presentation at the 25th anniversary congress of the European college of sport science (ECSS), October 28-30 in Sevilla/Spain, 2020 Book of abstracts. 2020.

Gassner L. Effectiveness of Music Therapy for Autism Spectrum Disorder, Dementia, Depression, Insomnia and Schizophrenia. Update of Systematic Reviews. 22. Jahrestagung des Deutschen Netzwerks Evidenzbasierte Medizin e. V. Online conference. February 24-26, 2021.

Gassner L. Clinical Effectiveness and Safety of Self-expandable Implantable Bulking Agents for Faecal Incontinence: A Systematic Review. 23. Jahrestagung des Deutschen Netzwerks Evidenzbasierte Medizin e. V. Lübeck, Germany. September 1-3, 2022.

Gassner L. Osteopathy: effectiveness and safety for musculoskeletal pain – a systematic review. 24. Jahrestagung des Deutschen Netzwerks Evidenzbasierte Medizin e. V. Potsdam, Germany. March 22-24, 2023.

Gassner L. Osteopathy: effectiveness and safety for musculoskeletal pain – a systematic review. 26. Wissenschaftliche Jahrestagung der Österreichischen Gesellschaft für Public Health. St. Pölten, Austria. May 25-26, 2023.