

Journal Articles (peer-reviewed, JCR ranked)

1. Klauser, A.B., Felix de-Koekkoek, Schwabl, C., Fink, C., Friede, M. & **Csapo, R.** (2022). Intraobserver assessment of shear wave elastography in tensor fasciae latae and gluteus maximus muscle. *Journal of Clinical Medicine*, DOI: 10.3390/jcm11133605.
2. Mitter, B., **Csapo, R.**, Bauer, P. & Tschan, H. (2022). Reproducibility of strength performance and strength-endurance profiles. *PLoS One*, 17(5): e02680074.
3. Sansone, P., Makivic, B., **Csapo, R.**, Hume, P., Martínez-Rodríguez, A. & Bauer, P. (2022). Body fat of basketball players: A systematic review and meta-analysis. *Sports Medicine - Open*, 8(1): 26.
4. Friede, M.C., Innerhofer, G., Fink, C., Alegre, L.M. & **Csapo, R.** (2022). Conservative treatment of iliotibial band syndrome in runners: Are we targeting the right goals? *Physical Therapy in Sport*, 54: 44-52.
5. **Csapo, R.**, Heinrich, D., Vigotsky, A.D., Marx, C., Sinha, S. & Fink, C. (2021). Developing a technique for the imaging-based measurement of ACL elongation: A proof of principle. *Diagnostics*, 11(11): 2126.
6. Rodriguez-Lopez, C., Alcazar, J., Sanchez-Martin, C., Baltasar-Fernandez, I., Ara, I., **Csapo, R.** & Alegre, L.M. (2021). Neuromuscular adaptations after 12 weeks of light- vs. heavy-load power-oriented resistance training in older adults. *Scandinavian Journal of Medicine and Science in Sports*, 32(2): 324-37.
7. Gatterer, H., Dünwald, T., Turner, R., **Csapo, R.**, Schobersberger, W., Burtscher, M., Faulhaber, M. & Kennedy, M.D. (2021). Practicing sport in cold environments: practical recommendations to improve sport performance and reduce negative health outcomes. *International Journal of Environmental Research and Public Health*, 18(18): 9700.
8. Bauer, P., Majsik, A., Mitter, B., **Csapo, R.**, Tschan, H., Hume, P., Martínez-Rodríguez, A. & Makivic, B. (2021). Body Composition of Competitive Bodybuilders: A Systematic Review of Published Data and Recommendations for Future Work. *Journal of Strength and Conditioning Research*, [accepted].
9. Rodriguez-Lopez, C., Alcazar, J., Losa-Reyna, J., Carmona-Torres, J.M., Cruz-Santaella, A.M., Ara, I., **Csapo, R.** & Alegre, L.M. (2021). Acute physiological response to light- and heavy-load power-oriented exercise in older adults. *International Journal of Sports Medicine*, 42(14): 1287-96.
10. Runer, A., di Sarsina, T.R., Starke, V., Iltchev, A., Felmet, G., Braun, S., Fink, C. & **Csapo, R.** (2021). The evaluation of Rolimeter, KLT, KiRA and KT-1000 arthrometer in healthy individuals shows acceptable intra-rater but poor inter-rater reliability in the measurement of anterior tibial knee translation. *Knee Surgery, Sports Traumatology, Arthroscopy*, 29(8): 2717-26.

11. Rodriguez-Lopez, C., Alcazar, J., Losa-Reyna, J., Martin-Espinosa, N.M., Baltasar-Fernandez, I., Ara, I., **Csapo, R.** & Alegre, L.M. (2021). Effects of power-oriented resistance training with heavy vs. light loads on muscle-tendon function in older adults: A study protocol for a randomized controlled trial. *Frontiers in Physiology*, 12: 635094.
12. Voss, A., Löffler, T., Reuter, S., Imhoff, A.B., Kellner, R., **Csapo, R.** & Braun, S. (2021). Additional acromioclavicular cerclage limits lateral tilt of the scapula in patients with arthroscopically assisted coracoclavicular ligament reconstruction. *Archives of Orthopaedic and Trauma Surgery*, 141(8): 1331-8.
13. Heinrich, D., van den Bogert, A.J., **Csapo, R.** & Nachbauer, W. (2020). A model-based approach to predict neuromuscular control patterns that minimize ACL forces during jump landing. *Computer Methods in Biomechanics and Biomedical Engineering*, 24(6): 612-22.
14. Winkler, P., **Csapo, R.**, Wierer, G., Hepperger, C., Heinzle, B., Imhoff, A., Hoser, C. & Fink, C. (2020). Sonographic evaluation of lateral meniscal extrusion: Implementation and validation. *Archives of Orthopaedic and Trauma Surgery*, 141(2): 271-81.
15. Gumpenberger, M., Wessner, B., Graf, A., Narici, M.V., Fink, C., Braun, S., Hoser, C., Blazeovich, A.J. & **Csapo, R.** (2020). Remodeling the skeletal muscle extracellular matrix in older age: Effects of acute exercise stimuli on gene expression. *International Journal of Molecular Sciences*, 21(19): E7089.
16. Rodriguez-Lopez, C., Alcazar, J., Sánchez-Martín, C., Ara, I., **Csapo, R.** & Alegre, L.M. (2020). Mechanical characteristics in heavy vs. light load ballistic resistance training in older adults. *Journal of Strength and Conditioning Research*, DOI: 10.1519/JSC.0000000000003826.
17. **Csapo, R.**, Runer, A., Hoser, C. & Fink, C. (2020). Contralateral ACL tears strongly contribute to high rates of secondary ACL injuries in professional ski racers. *Knee Surgery, Sports Traumatology, Arthroscopy*, 29(6): 1805-12.
18. Friede, M.C., Klauser, A., Fink, C. & **Csapo, R.** (2020). Stiffness of the iliotibial band and associated muscles in runner's knee: Assessing the effects of physiotherapy through ultrasound shearwave elastography. *Physical Therapy in Sport*, 45: 126-34.
19. Sinha, U., Malis, V., Chen, J.S., **Csapo, R.**, Kinugasa, R., Narici, M.V. & Sinha, S. (2020). Role of the extracellular matrix in loss of muscle force with age and unloading using magnetic resonance imaging, biochemical analysis, and computational models. *Frontiers in Physiology*, 11: 626.
20. Runer, A., **Csapo, R.**, Hepperger, C., Herbort, M., Hoser, C. & Fink, C. (2020). Anterior cruciate ligament reconstructions using quadriceps tendon autograft results in lower graft rupture rates but similar patient-reported outcomes as compared to hamstring tendon autograft: a comparison of 875 patients. *American Journal of Sports Medicine*, 48(9): 2195-2204.
21. Sinha, U., Malis, V., **Csapo, R.**, Narici, M. & Sinha, S. (2020). Magnetic resonance imaging-based muscle strain rate mapping during eccentric contraction to study effects of unloading induced by unilateral limb suspension. *European Journal of Translational Myology*, 30(1): 139-43.

22. **Csapo, R.**, Gumpenberger, M. & Wessner, B. (2020). Skeletal muscle extracellular matrix - What do we know about its composition, regulation and physiological roles? A narrative review. *Frontiers in Physiology*, 11: 253.
23. **Csapo, R.**, Pointner, H., Hoser, C., Gföller, P., Raschner, C. & Fink, C. (2020). Physical fitness after anterior cruciate ligament reconstruction: Influence of graft, age and sex. *Sports*, 8(3): 30.
24. Winkler, P., Wierer, G., **Csapo, R.**, Hepperger, C., Heinzle, B., Gföller, P., Hoser, C. & Fink, C. (2020). Quantitative evaluation of dynamic lateral meniscal extrusion after radial tear repair. *Orthopaedic Journal of Sports Medicine*, 8(4): 2325967120914568.
25. Alcazar, J., **Csapo, R.**, Ara, I. & Alegre, L.M. (2019). On the shape of the force-velocity relationship in skeletal muscles: the linear, the hyperbolic and the double-hyperbolic. *Frontiers Physiology*, 10: 769.
26. Malis, V., Sinha, U., **Csapo, R.**, Narici, M., Smitaman, E. & Sinha, S. (2018). Diffusion tensor imaging and diffusion modeling: Application to monitoring changes in the medial gastrocnemius in disuse atrophy induced by unilateral limb suspension. *Journal of Magnetic Resonance Imaging*, 49(6): 1655-64.
27. Hasler, M., Hofer, P., Schindelwig, K., Berger, E., **Csapo, R.** & Nachbauer, W. (2018). On the measurement of ski boot viscoelasticity. *Journal of Science and Medicine in Sport*, 22(Suppl 1): S60-4.
28. Wessner, B., Liebensteiner, M., Nachbauer, W. & **Csapo, R.** (2018). Age-specific response of skeletal muscle extracellular matrix to acute resistance exercise: a pilot study. *European Journal of Sport Science*, 19(3): 354-64.
29. Franchi, M., Raiteri, B., Longo, S., Sinha, S., Narici, M. & **Csapo, R.** (2018). Muscle architecture assessment: strengths, shortcomings and new frontiers of in-vivo imaging techniques. *Ultrasound in Medicine and Biology*, 44(12): 2492-504.
30. **Csapo, R.**, Hoser, C., Gföller, P., Raschner, C. & Fink, C. (2018). Fitness, knee function and competition performance in professional alpine skiers after ACL injury. *Journal of Science in Medicine and Sport*, DOI: 10.1016/j.jsams.2018.06.014.
31. Sinha, U., Malis, V., **Csapo, R.**, Narici, M. & Sinha, S. (2018). Shear strain rate from phase contrast velocity encoded MRI: Application to study effects of aging in the medial gastrocnemius muscle. *Journal of Magnetic Resonance Imaging*, 48(5): 1351-7.
32. Hosp, S., **Csapo, R.**, Heinrich, D., Hasler, M. & Nachbauer, W. (2018). Does kinesiology tape counter exercise-related impairments of balance in the elderly. *Gait & Posture*, 62: 167-72.
33. Wenger, S., **Csapo, R.**, Hasler, M., Gatterer, H., Wright, T. & Nachbauer, W. (2018). The effect of thermal insulation pads on heat flux, physical effort and perceived exertion during endurance exercise in cool environments. *Fashion & Textiles*, 5(21): 1-12.
34. Wenger, S., **Csapo, R.**, Hasler, M., Caven, B., Wright, T., Nachbauer, W. & Bechtold, T. (2017). The effect of different water vapor permeable jackets on moisture management, subjective perceptions and physiological parameters during submaximal exercise in a cool environment. *Textile Research Journal*, DOI: 10.1177/0040517517750648.

35. Malis, V., Sinha, U., **Csapo, R.**, Narici, M. & Sinha, S. (2017). Relationship of changes in strain rate indices estimated from velocity-encoded MR imaging to loss of muscle force following disuse atrophy. *Magnetic Resonance in Medicine*, 79(2): 912-22.
36. Hosp, S., Folie, R., **Csapo, R.**, Hasler, M. & Nachbauer, W. (2016). Effects of eccentric exercise and Kinesiology tape on balance ability in healthy men. *Journal of Athletic Training*, 52(7): 636-42.
37. Shalaj, I., Tishukay, F., Bachl, N., Tschan, H., Wessner, B. & **Csapo, R.** (2016). Injuries in professional male football players in Kosovo: a descriptive epidemiological study. *BMC Musculoskeletal Disorders*, 17(338): 1-9.
38. Alegre, L.M., Hasler, M., Wenger, S., Nachbauer, W. & **Csapo, R.** (2016). Does knee joint cooling change in vivo patellar tendon mechanical properties? *European Journal of Applied Physiology*, 116(10): 1921-9.
39. **Csapo, R.**, Folie, R., Hosp, S., Hasler, M. & Nachbauer, W. (2016). Why do we suffer more ACL injuries in the cold? A pilot study into potential risk factors. *Physical Therapy in Sport*, 23: 14-21.
40. Hasenoehrl, T., Wessner, B., Tschan, H., Vidotto, C., Crevenna, R. & **Csapo, R.** (2016). Eccentric resistance training intensity may affect the severity of exercise induced muscle damage. *Journal of Sports Medicine and Physical Fitness*, 57(9): 1195-1204.
41. Ugarte, V., Sinha, U., Malis, V., **Csapo, R.** & Sinha, S. (2016). 3D multimodal spatial fuzzy segmentation of intra-muscular connective and adipose tissue from ultra-short TE MR images of calf muscle. *Magnetic Resonance in Medicine*, 77(2): 870-83.
42. Herten, A., **Csapo, R.**, Kofler, P., Bottoni, G., Hasler, M., Bechtold, T. & Nachbauer, W. (2016). Effects of functional shirts with different fiber composition on thermoregulation in well-trained runners. *Journal of Sports Engineering and Technology*, 231(2): 75-82.
43. Pieber, K., Herceg, M., **Csapo, R.**, Wiesinger, G., Quittan, M. & Mittermaier, C. (2015). Effects of a multidisciplinary program on postural stability in patients with chronic recurrent low back pain - preliminary findings. *European Spine Journal*, 25(4): 1219-25.
44. **Csapo, R.** & Alegre, L.M. (2015). Effects of resistance training with moderate vs. heavy loads on muscle mass and strength in the elderly: A meta-analysis. *Scandinavian Journal of Medicine and Science in Sports*, 26(9): 995-1006.
45. Chen, J.S., Basava, R.R., Zhang, Y., **Csapo, R.**, Malis, V., Sinha, U., Hodgson, J. & Sinha, S. (2015). Pixel-based meshfree modelling of skeletal muscles. *Computer Methods in Biomechanics and Biomedical Engineering*, 4(2): 73-85.
46. **Csapo, R.**, Malis, V., Sinha, U. & Sinha, S. (2015). Mapping of spatial and temporal heterogeneity of plantar flexor muscle activity during isometric contraction - correlation of Velocity-Encoded MRI with EMG. *Journal of Applied Physiology*, 119(5): 558-68.
47. **Csapo, R.** & Alegre, L.M. (2015). Effects of Kinesio® taping on skeletal muscle strength - A meta-analysis of current evidence. *Journal of Science and Medicine in Sport*, 18(4): 450-6.
48. Sinha, U., Malis, V., **Csapo, R.**, Moghadasi, A., Kingusa, R. & Sinha, S. (2015). Age-related differences in strain rate tensor of the medial gastrocnemius muscle during passive

- plantarflexion and active isometric contraction using velocity-encoded MR imaging: potential index of lateral force transmission. *Magnetic Resonance in Medicine*, 73(5): 1852-63.
49. **Csapo, R.**, Malis, V., Sinha, U., Du, J. & Sinha, S. (2014). Age-associated differences in triceps surae muscle composition and strength - an MR imaging-based quantification of contractile, adipose and connective tissue. *BMC Musculoskeletal Disorders*, 15(1): 1-11.
 50. Alegre, L.M., Aguado, X., Rojas-Martin, D. & **Csapo, R.** (2014). Load-controlled moderate and high-intensity resistance training programs provoke similar hypertrophy and strength gains in young women. *Muscle & Nerve*, 51(1): 92-101.
 51. Sinha, U., **Csapo, R.**, Malis, V. & Sinha, S. (2014). Age-related differences in diffusion tensor indices and fiber architecture in the medial and lateral gastrocnemius. *Journal of Magnetic Resonance Imaging*, 41(4): 941-53.
 52. **Csapo, R.**, Malis, V., Hodgson, J. & Sinha, S. (2014). Age-related greater Achilles tendon compliance is not associated with larger plantarflexor muscle fascicle strains in senior women. *Journal of Applied Physiology*, 116(8): 961-9.
 53. Pieber, K., Herceg, M., Quittan, M., **Csapo, R.**, Müller, R. & Wiesinger, G. (2014). Long-term effects of an outpatient rehabilitation program in patients with chronic re-current low back pain. *European Spine Journal*, 23(4): 779-85.
 54. **Csapo, R.**, Hodgson, J.A., Kinugasa, R., Edgerton, V.R. & Sinha, S. (2013). Ankle morphology amplifies calcaneus movement relative to triceps surae muscle shortening. *Journal of Applied Physiology*, 115(4): 468-73.
 55. **Csapo, R.**, Herceg, M., Alegre, L.M., Crevenna, R. & Pieber, K. (2012). Do kinaesthetic tapes affect plantarflexor muscle performance? *Journal of Sports Sciences*, 30(14): 1513-9.
 56. Pieber, K., Angelmaier, L., **Csapo, R.** & Herceg, M. (2012). Acute injuries and overuse syndromes in sport climbing and bouldering in Austria: a descriptive epidemiological study. *Wiener Klinische Wochenschrift*, 124(11-12): 357-62.
 57. **Csapo, R.**, Alegre, L.M. & Baron, R. (2011). Time kinetics of acute changes in muscle architecture in response to resistance exercise. *Journal of Science and Medicine in Sport*, 14(3): 270-4.
 58. **Csapo, R.**, Maganaris, C.N, Seynnes, O.R. & Narici, M.V. (2010). On muscle, tendon and high heels. *Journal of Experimental Biology*, 213(15): 2582-8.
 59. **Csapo, R.**, Gormasz, C. & Baron, R. (2009). Functional performance in community-dwelling and institutionalized elderly women. *Wiener Klinische Wochenschrift*, 121(11- 12): 383-90.

Journal Articles (non peer-reviewed or non-ranked)

1. Runer, A., Suter, A., di Sarsina, T.R., Jucho, L., Gföller, P., **Csapo, R.**, Hoser, C. & Fink, C. (2022). Quadriceps tendon autograft for primary anterior cruciate ligament reconstruction show comparable clinical, functional, and patient reported outcome measurements, but lower donor site morbidity compared with hamstring tendon autograft: A matched-pairs study with a mean follow-up of 6.5 Years. *Journal of ISAKOS*, 22: 83-9.

2. Alcazar, J., **Csapo, R.** & Alegre, L.M. (2022). The force-velocity relationship: assessment and adaptations provoked by exercise, disuse and disease (Editorial). *Frontiers in Physiology*, [accepted].
3. Fisher, J.P. & **Csapo, R.** (2021). Periodization and Programming in Sports (Editorial). *Sports*, 9(2): 13.
4. **Csapo, R.**, Juras, V., Heinzle, B., Trattinig, S. & Fink, C. (2020). Compositional MRI of the Anterior Cruciate Ligament of Professional Alpine Ski Racers: Preliminary Report on Seasonal Changes and Load Sensitivity. *European Radiology Experimental*, 4(1): 64.
5. Alcaraz, P., **Csapo, R.**, Freitas, T., Marín-Cascales, E., Blazeovich, A. & Paoli, A. (2020). Meeting Report: International Sport Forum of the Strength & Conditioning Society (SCS) and the European Sport Nutrition Society (ESNS). *Sports*, 8(9): 128.
6. **Csapo, R.**, Hosp, S., Folie, R., Eberle, R., Hasler, M. & Nachbauer, W. (2016). Elastic knee sleeves limit anterior tibial translation in healthy females. *Journal of Sports Science and Medicine (Letter to the editor)*, 15: 206-7.
7. **Csapo, R.**, Gormasz, C. Proietti, R., & Baron, R. (2008). Omegawave Sport Technology - Neue Wege der Leistungsdiagnostik. *Österreichisches Journal für Sportmedizin*, 38(1): 15-24. (Article in German)

Theses & Book Chapters

1. **Csapo, R.**, (2017). Determinants of skeletal muscle function. *Habilitation thesis. University of Innsbruck: Innsbruck.*
2. Wenger, S., **Csapo, R.**, Hasler, M., Caven, B., Wright, T., Bechtold, T., Faulhaber, M., & Nachbauer, W. (2017). Auswirkungen unterschiedlicher Feuchtigkeitsmanagements kommerziell verfügbarer Wanderjacken auf physiologische Parameter während des Freizeitwanderns. In Faulhaber, M., Schobersberger, W., Schobersberger, B., Sumann, G., Domej, W. (Eds.), *Jahrbuch der Österreichischen Gesellschaft für Alpin- und Höhenmedizin* (pp. 97-116). Innsbruck: Österreichische Gesellschaft für Alpin- und Höhenmedizin. (Chapter in German).
3. Basava, R.R., Chen, J.S., Zhang, Y., Sinha, S., Sinha, U., Hodgson, J., **Csapo, R.**, & Malis, V. (2014). Pixel based meshfree modeling of skeletal muscles. In Zhang, Y.J., Tavares, J.M.R.S. (Eds.), *Computational modeling of objects presented in images: Fundamentals, methods, and applications* (pp. 316-27). Springer: Cham.
4. **Csapo, R.**, (2010). Acute changes in muscle architecture in response to resistance exercise. *Doctoral thesis. University of Vienna: Vienna.*
5. **Csapo, R.**, (2006). Talentsichtung und -diagnostik im Nachwuchstennis. Analyse und Anwendung eines internationalen Konzepts. *Diploma thesis (German). University of Vienna: Vienna.*

Conference Contributions

Invited Speaker Presentations

1. **Csapo, R.** (2022). Krafttraining im Alter. *Educational course of the University Sports Institute in Vienna, Austria on 28 February 2022.*
2. **Csapo, R.** (2021). Return to Play - Sekundärprävention von Sportverletzungen. *Austrian Sport Association / Science2Practice, online conference on 25 November 2021.*
3. **Csapo, R.** (2021). Kälte, Muskelfunktion und Verletzungsrisiko. *Das bewegte Herz - 2021 in Vienna, Austria from 19-20 November, 2021.*
4. **Csapo, R.** (2020). Intramuscular connective tissue - Targeting the extracellular matrix by resistance training. *25th Annual Congress of the European College of Sport Science (ECSS), online conference from 28-30 October 2020.*
5. **Csapo, R.** (2020). Measurement techniques in sports traumatology using the anterior cruciate ligament as an example. *Tyrolean Medical Days in Innsbruck, Austria on 25 September 2020.*
6. **Csapo, R.** (2020). Return to play - Sekundärprävention von Sportverletzungen. *Sommer course Sports Medicine in Garmisch-Partenkirchen, Germany from 19-26 September 2020.*
7. **Csapo, R.** (2020). Intramuscular connective tissue - Targeting the extracellular matrix by resistance training. *25th Annual Congress of the European College of Sport Science (ECSS) in Seville, Spain from 28-30 October 2020.*
8. **Csapo, R.** (2020). Return to Ski nach Rekonstruktion des vorderen Kreuzbands. *Ski symposium Sports Medicine in Garmisch-Partenkirchen, Germany on 8 February 2020.*
9. **Csapo, R.** (2020). Auswirkungen von Transplantatwahl, Alter und Geschlecht auf Return-to-Sport-Testergebnisse. *Meeting of the Austrian Society of Trauma Surgery in Vienna, Austria on 10 January 2020.*
10. **Csapo, R.** (2020). Maßnahmen der primären und sekundären Prävention von vorderen Kreuzbandrupturen. *Meeting of the Austrian Society of Trauma Surgery in Vienna, Austria on 10 January 2020.*
11. **Csapo, R.** (2019). Return to sport - a fast rehab protocol. *5th International Knee Update in Davos, Switzerland from 4-6 April 2019.*
12. **Csapo, R.** (2019). Patellofemoral pain and instability: Exercise and device. *5th International Knee Update in Davos, Switzerland from 4-6 April 2019.*
13. **Csapo, R.** (2018). Intramuscular connective tissue - an overlooked determinant of muscle function. *1st Annual Meeting of the Strength & Conditioning Society (SCS) in Rome, Italy from 17-18 November 2018.*
14. **Csapo, R.** (2017). Contribution of intramuscular connective tissue to age-associated muscle weakness. *Sarkopenie, Frailty & Schmerz in Vienna, Austria on 10 November 2017.*
15. **Csapo, R.** (2011). Exercise interventions for the treatment of chronic fatigue and chronic fatigue syndrome. *7th European Sports Medicine Congress (EFSMA) in Salzburg, Austria from 26-29 October 2011.*
16. **Csapo, R.** (2011). Biomechanical effects of walking in high heels. *22nd OrthoTECH Symposium in Pörschach, Austria on 19 August 2011.*
17. **Csapo, R.** (2011). Determination of muscle strength and function. *Ernährung 2011 (Satellite Symposium on Sarcopenia) in Graz, Austria from 26-28 May 2011.*

Oral Presentations

1. **Csapo, R.** (2019). Testing the physical readiness for return-to-sports after ACL reconstruction: Influence of sex, age and graft on Back in Action test results. *2nd Annual Meeting of the Strength & Conditioning Society (SCS) in Madrid Spain from November 15-16 2019.*
2. Rodriguez-Lopez, C., Alcazar, J., Navarro-Cruz, R., García-Tercero, E., **Csapo, R.**, Ara, I., & Alegre, L.M. (2019). Acute effects of heavy- vs. light-load resistance training on neuromuscular and functional fatigue in older people. *24th Annual Congress of the European College of Sport Science (ECSS) in Prague, Czech Republic from 3-6 July 2019.*
3. Voss, A., Löffler, T., Reuter, S., Imhoff, A., Kellner, R., **Csapo, R.**, & Braun, S. (2018). Clinical and radiological evaluation of bi-cortical coracoclavicular button fixation with and without additional acromioclavicular cerclage in acute acromioclavicular dislocation. *12th Congress of the International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS) in Cancun, Mexico from 12-16 May 2019.*
4. **Csapo, R.**, Liebensteiner, M., Nachbauer, W., & Wessner, B. (2018). Age-specific response of skeletal muscle extracellular matrix to acute resistance exercise. *23rd Annual Congress of the European College of Sport Science (ECSS) in Dublin, Ireland from 6-9 July 2018.*
5. Alegre, L.M., Hasler, M., Wenger, S., Nachbauer, W., & **Csapo, R.** (2017). Effects of knee joint cooling on in vivo patellar mechanical properties. *22nd Congress of the International Society for Skiing Safety (ISSS) in Innsbruck, Austria from 17-22 April 2017.*
6. Malis, V., Sinha, U., **Csapo, R.**, Sinha, S. (2017). Age-related differences in shear strain in medial gastrocnemius: Implications for lateral transmission of force. *25th Joint Annual Meeting of the International Society of Magnetic Resonance in Medicine (ISMRM) in Honolulu, HI, USA from 22-27 April, 2017.*
7. Alegre, L.M., Hasler, M., Wenger, S., Nachbauer, W., & **Csapo, R.** (2016). Effects of knee cooling on in vivo patellar mechanical properties. *21st Annual Congress of the European College of Sport Science (ECSS) in Vienna, Austria from 6-9 July 2016.*
8. **Csapo, R.**, Folie, R., Hosp, S., Hasler, M., & Nachbauer, W. (2016). Increased ACL injury risk in the cold - an assessment of potential risk factors. *21st Annual Congress of the European College of Sport Science (ECSS) in Vienna, Austria from 6-9 July 2016.*
9. Hosp, S., Folie, R., **Csapo, R.**, Hasler, M., & Nachbauer, W. (2016). Kinesiology tape counters balance impairment after eccentric exercise. *21st Annual Congress of the European College of Sport Science (ECSS) in Vienna, Austria from 6-9 July 2016.*
10. Schindelwig, K., Marterer, N., Morawetz, D., Kapferer, S., **Csapo, R.**, & Nachbauer, W. (2016). Accuracy of ankle- and knee-angle measurements with thin flex sensors. *21st Annual Congress of the European College of Sport Science (ECSS) in Vienna, Austria from 6-9 July 2016.*
11. Sinha, S., Malis, V., **Csapo, R.**, Du, J. & Sinha, U. (2016). Morphological, compositional, and fiber architectural changes in from unilateral limb suspension induced acute atrophy model in the medial gastrocnemius muscle. *24th Joint Annual Meeting of the International Society of Magnetic Resonance in Medicine (ISMRM) in Singapore from 7-13 May, 2016.*

12. Wenger, S., **Csapo, R.**, Nachbauer, W. (2016). The effects of thermal-isolation pads placed over working muscles on endurance performance. *4th International Conference on Sport Sciences Research and Technology Support (icSports) in Porto, Portugal from 7-9 November, 2016.*
13. **Csapo, R.**, Malis, V., Sinha, U., & Sinha, S. (2015). Heterogeneous muscle activity during isometric contraction - a VE-PC MRI study. *20th Annual Congress of the European College of Sport Science (ECSS) in Malmö, Sweden from 24-27 June 2015.*
14. Shalaj, I., Tishukaj, F., Gashi, F., Gjaka, M., Bachl, N., Wessner, B., **Csapo, R.**, & Tschan, H. (2015). Injury incidence and injury patterns of elite-level male soccer players in Kosovo. *20th Annual Congress of the European College of Sport Science (ECSS) in Malmö, Sweden from 24-27 June 2015.*
15. Shalaj, I., Tishukaj, F., Gjaka, M., Ademi, B., Pllana, A., Wessner, B., **Csapo, R.**, & Tschan, H. (2014). Endurance and agility profile between male soccer players of different age categories. *19th Annual Congress of the European College of Sport Science (ECSS) in Amsterdam, Netherlands from 2-5 July 2014.*
16. Alegre, L.M., Aguado, X., Rojas-Martin, D., & **Csapo, R.** (2013). Changes in muscle size and strength in response to resistance training with moderate and high intensities in young women. *18th Annual Congress of the European College of Sport Science (ECSS) in Barcelona, Spain from 26-29 June 2013.*
17. **Csapo, R.**, Herceg, M., Alegre, L.M., Crevenna, R., & Pieber, K. (2012). Do kinaesthetic tapes affect plantarflexor muscle performance? *17th Annual Congress of the European College of Sport Science (ECSS) in Bruges, Belgium from 4-7 July 2012.*
18. Pieber, K., Angelmaier, L., **Csapo, R.**, & Herceg, M. (2011). Acute injuries and overuse syndromes in sport climbing and bouldering in Austria. *7th European Congress of Sports Medicine (EFSMA) in Salzburg, Austria from 26-29 October 2011.*

Poster Presentations

1. Gumpenberger, M., Wessner, B. & **Csapo, R.** (2019). Acute remodeling of the intramuscular connective tissue network : Which exercise induces the greatest response in the elderly? *2nd Annual Meeting of the Strength & Conditioning Society (SCS) in Madridk Spain from November 15-16 2019.*
2. Friede, M., Klauser, A., Fink, C., & **Csapo, R.** (2019). Iliotibial band stiffness in runner's knee - an imaging-based investigation. *24th Annual Congress of the European College of Sport Science (ECSS) in Prague, Czech Republic from 3-6 July 2019.*
3. Baltasar-Fernandez, I., Rodriguez-Lopez, C., Alcazar, J., Navarro-Cruz, R., **Csapo, R.**, García-Tercero, E., Leal, J., Ara, I., & Alegre, L.M. (2019). A new approach to evaluate the force-velocity profile: The sit to stand test. *24th Annual Congress of the European College of Sport Science (ECSS) in Prague, Czech Republic from 3-6 July 2019.*
4. Narici, M.V., **Csapo, R.**, Malis, V., Sinha, U., & Sinha, S. (2018). Myofascial force transmission and muscle weakness in old age. *International Conference on Frailty & Sarcopenia Research in Miami Beach, FL, USA from 1-3 March 2018.*

5. **Csapo, R.**, Folie, R., Hosp, S., Hasler, M., & Nachbauer, W. (2017). Increased ACL injury risk in the cold: Potential risk factors. *22nd Congress of the International Society for Skiing Safety (ISSS) in Innsbruck, Austria from 17-22 April 2017.*
6. Malis, V., Sinha, U., **Csapo, R.**, & Sinha, S. (2016). Functional changes in medial gastrocnemius from unilateral limb suspension induced acute atrophy: A 2D strain rate study during isometric contraction. *24th Joint Annual Meeting of the International Society of Magnetic Resonance in Medicine (ISMRM) in Singapore from 7-13 May, 2016.*
7. Sinha, U., Malis, V., **Csapo, R.**, & Sinha, S. (2016). Physiological insights into medial gastrocnemius function during eccentric contraction in normal and in acute atrophy - Quantification of 2D strain rate indices from velocity encoded phase contrast MR imaging. *24th Joint Annual Meeting of the International Society of Magnetic Resonance in Medicine (ISMRM) in Singapore from 7-13 May, 2016.*
8. Xue, Y., Sinha, U., Malis, V., **Csapo, R.**, & Sinha, S. (2016). 3D curvature of medial gastrocnemius (MG) muscle fibers tracked from diffusion tensor images (DTI): Age related differences in 3D fiber curvature. *24th Joint Annual Meeting of the International Society of Magnetic Resonance in Medicine (ISMRM) in Singapore from 7-13 May, 2016.*
9. **Csapo, R.**, Malis, V., Sinha, U., Du, J., & Sinha, S. (2014). Age-associated changes in triceps surae muscle composition and strength - an MR imaging-based quantification of contractile, adipose and connective Tissue. *22nd Joint Annual Meeting of the International Society of Magnetic Resonance in Medicine (ISMRM) in Milan, Italy from 10-16 May 2014.*
10. **Csapo, R.**, Malis, V., Hodgson, J., & Sinha, S. (2014). Phase-contrast MR imaging reveals age-associated differences in plantarflexor fascicle and aponeurosis behavior in isometric contractions. *22nd Joint Annual Meeting of the International Society of Magnetic Resonance in Medicine (ISMRM) in Milan, Italy from 10-16 May 2014.*
11. Sinha, U., **Csapo, R.**, Malis, V., Xue, Y., & Sinha, S. (2014). Age-related changes in diffusion tensor indices in the medial and lateral gastrocnemius. *22nd Joint Annual Meeting of the International Society of Magnetic Resonance in Medicine (ISMRM) in Milan, Italy from 10-16 May 2014.*
12. Ugarte, V., Malis, V., Sinha, U., **Csapo, R.**, & Sinha, S. (2014). 3D multimodal spatial fuzzy segmentation of intramuscular connective and adipose tissue from ultralow TE MR images of calf muscle. *22nd Joint Annual Meeting of the International Society of Magnetic Resonance in Medicine (ISMRM) in Milan, Italy from 10-16 May 2014.*
13. Xue, Y., Sinha, U., Malis, V., **Csapo, R.**, & Sinha, S. (2014). Changes in the medial and lateral gastrocnemius fiber architecture with age. *22nd Joint Annual Meeting of the International Society of Magnetic Resonance in Medicine (ISMRM) in Milan, Italy from 10-16 May 2014.*
14. **Csapo, R.**, Alegre, L.M., & Baron, R. (2011). Time kinetics of acute changes in muscle architecture in response to resistance exercise. *16th Annual Congress of the European College of Sport Science (ECSS) in Liverpool, United Kingdom from 6-9 July 2011.*
15. **Csapo, R.**, Maganaris, C.N, Seynnes, O.R., & Narici, M.V. (2009). On muscle, tendon and high heels. *14th Annual Congress of the European College of Sport Science (ECSS) in Oslo, Norway from 24-27 June 2009.*

Grants & Subsidies

Ongoing / Completed Projects

Year	Title	Funding Agency (Class)	Role	Amount (€)
2021	Intramuscular connective tissue and its short-term response to different resistance exercise modalities: immunohistochemical analyses of skeletal muscle biopsies	Dr. Johannes und Hertha Tuba Forschungsförderung	Principal investigator	24,497,-
2018	Development of MRI-modules and sequences for the in vivo assessment of ACL mechanical properties	Region of Tyrol (Science, Development and Innovation Project)	Principal investigator	140,000,-
2018	Exercise-based stimulation of intramuscular connective tissue to counter age-associated muscle weakness	Austrian Science Fund (Clinical Research Programme)	Principal investigator	399,890,-
2018	Iliotibial band stiffness in runners' knee - an imaging-based investigation	Tyrolean Science Fund (Stand-Alone Project)	Principal investigator	14,958,-
2018	Seasonal changes in ACL stiffness consequent to the accumulation of microtraumata in alpine ski racing	Austrian Ski Federation Scientific Committee	Co-investigator	10,000,-
2017	Digital Wearables	Austrian Research Promotion Agency (COIN Project)	Co-investigator	821,573,-
2017	Reliability of in vivo measurements of patellar tendon hysteresis	University of Castilla-La Mancha (Assistance for Research Stays)	Principal investigator	5,180,-
2017	Hysteresis of the patellar tendon - an in vivo study	University of Innsbruck (Young Scientist Development Program)	Principal investigator	15,000,-
2016	Equipment for use in alpine environments (AlpSportTec)	European Regional Development Fund (Interreg Program)	Co-investigator	543,756,-
2016	Shoe ergonomics: From qualitative analysis to scientific investigation (Outfeet)	European Regional Development Fund (Interreg Program)	Co-investigator	374,397,-
2011	Pre-operative physical preparation for total hip arthroplasty	Austrian Research Promotion Agency (Innovation Cheque)	Principal investigator	5,000,-
2008	On muscle, tendon and high heels	University of Vienna (Individual Mobility Grant)	Principal investigator	2,000,-