

REFERENCES & ARTICLES



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SCIENCE FOR BODY EVOLUTION.

TITLE	YEAR	TYPE	PUBLICATION	AUTHOR(S)	INSTITUTION	NCBI LINK	OTHER LINK
Do We Have Enough Information to Reduce Musculoskeletal Disorders?	2015	Journal	Multi-, Inter-, and Trans-disciplinary Issues in Computer Science and Engineering	Jemec, Jure1, Đorđević, Srđan1	1TMG-BMC Ltd.	-	-
Differences in muscle mechanical properties between elite power and endurance athletes: a comparative study	2014	Journal	Journal of Strength and Conditioning Research	Irineu Loturco1, Saulo Gil1, Cristiano Frota de Souza Laurino2, Hamilton Roschel3, Ronaldo Kobal1, Cesar Cavinato Cal Abad1, Fabio Yuzo Nakamura4	1- NAR - Nucleus of High Performance in Sport, São Paulo, SP, Brazil 2- Brazilian Track & Field Confederation, Medical Department, São Paulo, SP, Brazil, 3- School of Physical Education and Sport - University of São Paulo, SP, Brazil, 4- State University of Londrina, Londrina, PR, Brazil	NCBI	-
Neuromuscular profile of top level women kayakers, assessed through tensiomyography.	2014	Journal	Journal of Strength and Conditioning Research	Oscar García-García1, Jose María Cancela-Carral1, Fernando Huelin-Trillo2	1Faculty of Education and Sport Sciences. University of Vigo (Spain). 2Galician Sports Performance Center. Spanish Canoe Federation (Spain)	NCBI	-
Assessment of neuromuscular function after different strength training protocols using tensiomyography.	2014	Journal	Journal of Strength & Conditioning Research	De Paula Simola RA1, Harms N, Raeder C, Kellmann M, Meyer T, Pfeiffer M, Ferrauti A	11Department of Training and Exercise Science, Faculty of Sports Science, Ruhr-University Bochum, Germany 2Department of Sport Psychology, Faculty of Sports Science, Ruhr-University Bochum, Germany 3School of Human Movement Studies and School of Psychology, The University of Queensland, Brisbane, Australia 4Institute of Sports and Preventive Medicine, Saarland University, Saarbrücken, Germany 5Institute of Sports Science, Johannes-Gutenberg University, Mainz, Germany.	NCBI	-
Effects of anterior cruciate ligament injury on neuromuscular tensiomyographic characteristics of the lower extremity in competitive male soccer players	2014	Journal	Knee Surgery, Sports Traumatology, Arthroscopy	Pedro Alvarez-Diaz, Eduard Alentorn-Geli, Silvia Ramon, Miguel Marin, Gilbert Steinbacher, Juan José Boffa, Xavier Cuscó, Oscar Ares, Jordi Ballester, Ramon Cugat	1Mutualidad de Futbolistas, Federación Española de Fútbol, Delegación Cataluña, Barcelona, Spain		Springer link
Comparison of tensiomyographic neuromuscular characteristics between muscles of the dominant and non-dominant lower extremity in male soccer players	2014	Journal	Knee Surgery, Sports Traumatology, Arthroscopy	Pedro Alvarez-Diaz, Eduard Alentorn-Geli, Silvia Ramon, Miguel Marin, Gilbert Steinbacher, Marta Rius, Roberto Seijas, Jordi Ballester, Ramon Cugat	1Mutualidad de Futbolistas, Federación Española de Fútbol, Delegación Cataluña, Barcelona, Spain		Springer link
Neuromuscular profile of top level women kayakers, assessed through tensiomyography	2014	Journal	Journal of Strength & Conditioning Researc	García-García, Oscar PhD (Sport Sciences and Physical Activity); Cancela-Carral, Jose María PhD (Sport Sciences and Physical Activity); Huelin-Trillo, Fernando	1Faculty of Education and Sport Sciences. University of Vigo (Spain). Campus A Xunqueira s/n 36005. Pontevedra (Spain). 2Faculty of Education and Sport Sciences. University of Vigo (Spain). Campus A Xunqueira s/n 36005. Pontevedra (Spain). 3Galician Sports Performance Center. Spanish Canoe Federation (Spain). Padre Fernando Olmedo, 1. 36002 Pontevedra (Spain).		-
Complex assessment in progressive multiple sclerosis: a case report	2014	Journal	RJME - Romanian Journal of Morphology and Embryology	Marius Cristian Neamțu1), Lligia Rusu2), Oana Maria Neamțu2), Rucsandra Dănciulescu Miulescu3), Mihnea Ion Marin4)	1)Department of Pathologic Physiology, University of Medicine and Pharmacy of Craiova, Romania 2)Department of Sports Medicine and Kinesiology, University of Craiova, Romania 3)"Carol Davila" University of Medicine and Pharmacy, Bucharest, Romania 4)Department of Applied Mechanics, University of Craiova, Romania	-	-

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Assessment of neuromuscular risk factors for anterior cruciate ligament injury through tensiomyography in male soccer players	2014	Journal	Knee Surgery, Sports Traumatology, Arthroscopy	Eduard Alentorn-Geli, Pedro Alvarez-Diaz, Silvia Ramon, Miguel Marin, Gilbert Steinbacher, Juan José Boffa, Xavier Cuscó, Jordi Ballester, Ramon Cugat	Department of Orthopaedic Surgery and Traumatology - Universitat Autònoma de Barcelona (UAB), Barcelona, Spain, Mutuallidat de Futbolistas—Federación Española de Fútbol, Delegación Cataluña, Barcelona, Spain, Fundación García-Cugat, Barcelona, Spain, Department of Orthopaedic Surgery, Hospital Quirón, Barcelona, Spain, Universitat Internacional de Catalunya, Barcelona, Spain, Department of Physical Medicine and Rehabilitation, Hospital Quirón, Barcelona, Spain, Department of Surgery, Universitat Autònoma de Barcelona (UAB), Barcelona, Spain		Springer link
Assessment of gastrocnemius tensiomyographic neuromuscular characteristics as risk factors for anterior cruciate ligament injury in male soccer players	2014	Journal	Knee Surgery, Sports Traumatology, Arthroscopy	Eduard Alentorn-Geli, Pedro Alvarez-Diaz, Silvia Ramon, Miguel Marin, Gilbert Steinbacher, Marta Rius, Roberto Seijas, Oscar Ares, Ramon Cugat	Department of Orthopaedic Surgery and Traumatology, Universitat Autònoma de Barcelona (UAB), Barcelona, Spain, Mutuallidat de Futbolistas, Federación Española de Fútbol, Delegación Cataluña, Barcelona, Spain, Fundación García-Cugat, Barcelona, Spain, Department of Orthopaedic Surgery, Hospital Quirón, Barcelona, Spain, Universitat Internacional de Catalunya, Barcelona, Spain, Department of Physical Medicine and Rehabilitation, Hospital Quirón, Barcelona, Spain		Springer link
Analysis of the Response Speed of Musculature of the Knee in Professional Male and Female Volleyball Players	2014	Journal	BioMed Research International	D. Rodríguez-Ruiz, I. Diez-Vega, D. Rodríguez-Matoso, M. Fernández-del Valle, R. Sagastume, and J. J. Molina,	1University of Las Palmas de Gran Canaria, Campus Universitario de Tafira, s/n, Edificio de Ciencias de la Actividad Física y el Deporte, 35017 Las Palmas de Gran Canaria, Spain, 2European University of Madrid, Calle Rio Tajo s/n, Villaviciosa de Odón, 28670 Madrid, Spain, 3Department of Health, Exercise, and Sport Sciences, Texas Tech University, P.O. Box 43011, Lubbock, TX 79409, USA, 4University of País Vasco, Carretera Lasarte s/n, 01007 Vitoria-Gasteiz, Spain		
Tensiomyography used for analysis on mechanical characteristics of knee muscles in subjects diagnosed with Stage 1 Parkinson's disease	2014	Poster presentation	Abstracts from the Eighteenth International Congress of Parkinson's Disease and Movement Disorders	David Rodríguez-Ruiz1, Antonio Palomino1, Sara Gutierrez1, Daniel García1 and Darío Rodríguez-Matoso1	1Department of Physical Education (University of Las Palmas de Gran Canaria - Spain).		
Effects of different aquatic exercises programs on mechanical characteristics of vastus lateralis in subjects diagnosed with Stage 1 Parkinson's disease	2014	Poster presentation	Abstracts from the Eighteenth International Congress of Parkinson's Disease and Movement Disorders	David Rodríguez-Ruiz1, Antonio Palomino1, Sara Gutierrez1, Daniel García1 and Darío Rodríguez-Matoso1	1Department of Physical Education (University of Las Palmas de Gran Canaria - Spain).		
Reliability of muscle response measurements within different electrical stimulation intensities using tensiomyography	2014	Poster presentation	Abstracts from the 19th Annual Congress of European College of Sports Sciences (ECSS) - 2.-5. July 2014	Simola, R.A.P, Harms, N., Ferauti, A.	Ruhr-University Bochum, Faculty of Sport Science, Department of Training and Exercise Science		
A novel approach of measuring force transmission and efficiency over knee joint in cycling-case study	2014	Presentation	Abstracts from the 19th Annual Congress of European College of Sports Sciences (ECSS) - 2.-5. July 2014	Dordevic, S.1, Milic, R.2, Cucek, G.M.1, Berdajs, M.1, Zumer, J.1, Modic, Z.1	1:TMG-BMC (Ljubljana, Slovenia), 2:University of Ljubljana, Faculty of Sport, Institute of Sport, (Ljubljana, Slovenia)		
A novel approach to biomechanical analysis of the knee during squatting	2014	Presentation	Abstracts from the 19th Annual Congress of European College of Sports Sciences (ECSS) - 2.-5. July 2014	Djordjevic, S.1, Modic, Z.1, Gerbec Cucek, M.1, Stancin, S.2, Sodnik, J.2, Tomazic, S.2, Berdajs, M.1	1:TMG-BMC d.o.o(Ljubljana,Slovenia),2:University of Ljubljana,Faculty of Electrical Engineering (Ljubljana, Slovenia)		
Complex assessment in progressive multiple sclerosis: a case report	2014	Journal	Romanian Journal of Morphology & Embryology	Marius Christian Neamtu1, Liga Rusu2, Oana Maria Neamtu2, Rucsandra Danculescu Miulescu3, Mihnea Ion Marin4	1Department of Pathologic Physiology, University of Medicine and Pharmacy of Craiova, Romania, 2Department of Sports Medicine and Kinesiology, University of Craiova, Romania, 3"Carol Davila" University of Medicine and Pharmacy, Bucharest, Romania, 4Department of Applied Mechanics, University of Craiova, Romania		
Wellness, Fitness, and Lifestyle Sensing Applications	2013	Book	Sensor Technologies: Healthcare, Wellness and Environmental Applications	Michael J. McGrath and Clíodhna Ní Scanaill	-		Springer link

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Influence of fat percentage, front thigh skinfold and girth on the maximum radial displacement of the dominant rectus femoris	2013	Journal	Abstracts from the 3rd European College of Sports and Exercise Physicians (ECOSEP) conference on 25–27 April 2013	Ignacio Diez-Vega1, David Rodríguez-Ruiz2, María Fernández-del-Valle3, Darío Rodríguez-Matoso2, Joaquín Cerdá-Béjar1, José. Molina-Martín Juan1	Universidad Europea de Madrid, Madrid, Spain 2 Universidad de Las Palmas de Gran Canaria, Las Palmas de Gran Canaria, Spain 3 Texas Tech University, Lubbock, USA	–	British Journal of Sports Medicine
Muscles within muscles: a tensiomyographic and histochemical analysis of the normal human vastus medialis longus and vastus medialis obliquus muscles	2013	Journal	J Anat. 2013 Apr 15. doi: 10.1111/joa.12045.	Ludvik Travnik,1 Srdjan Djordjevi c,2,3 Sergej Rozman,3 Marija Hribernik4 and Raja Dahmane4	Department of Orthopedic Surgery, University Medical Centre, Ljubljana, Slovenia 2Applied Kinesiology, Faculty of Mathematics, Natural Sciences and Information Technologies, University of Primorska, Koper, Slovenia 3TMG-BMC, Ljubljana, Slovenia 4Medical Faculty, Institute of Anatomy, University of Ljubljana, Ljubljana, Slovenia	NCBI	Scienceindex
Effects of age and physical activity on response speed in knee flexor and extensor muscles	2013	Journal	European Review of Aging and Physical Activity DOI: 10.1007/s11556-013-0127-7. ISSN. 1813-7253	Rodríguez-Ruiz, D.; García-Manso, J.M.; Rodríguez-Matoso, D.; Sarmiento, S.; Da Silva-Grigoletto, M.2; Pisot, R.3	Department of Physical Education, University of Las Palmas de Gran Canaria, Campus Universitario de Tafira, s/n, Edificio de Ciencias de la Actividad Física y el Deporte, 35017, Las Palmas de Gran Canaria, Spain 2. Andalusian Sports Medicine Centre, Seville, Spain 3. Institute of Kinesiology Research, Science and Research Centre of Koper, University of Primorska, Koper, Slovenia	–	Springer link
Tensiomyography relationship between parameters and potential indicators of performance in professional cyclists	2013	Journal	International Journal of Medicine and Science of Physical Activity and Sport , ISSN-e 1577-0354, N o. 52-53, 2013-2014 11 p.	Oscar García García	(Sport Sciences and Physical Activity), Faculty of Education and Sport Sciences. University of Vigo (Spain).		
Differences in the contractile properties of the knee extensor and flexor muscles in professional road cyclists during the season	2013	Journal	J Strength Cond Res. 2013 Jan 8. PMID: 23302746	García-García O, Cancela-Carral JM, Martínez-Trigo R, Serrano-Gómez V.	(Sport Sciences and Physical Activity), Faculty of Education and Sport Sciences. University of Vigo (Spain). Campus A Xunqueira s/n 36005. Pontevedra (Spain). Telf. +34 986 801 700 Fax. + 34 986 801 701. oscargarcia@uvigo.es. chemacc@uvigo.es, robertotrig@uvigo.es 2Sport Sciences and Physical Activity, Faculty of Sport Sciences and Physical Education. University of Corunna (Spain). Avda Che Guevara n 121 15993 Oleiros. A Corunna (Spain). Telf. +34 981 167 000 Fax. + 34 981 167 001. virginia.serrano@udc.es.		
Long-term stability of tensiomyography measured under different muscle conditions	2013	Journal	Journal of Electromyography and Kinesiology. PMID: 23461833	Massimiliano Ditroilo 1, Iain J. Smith 2, Malcolm M. Fairweather 3, Angus M. Hunter 4	Department of Sport, Health & Exercise Science, Faculty of Science, University of Hull, England, United Kingdom; Don Building, Room 001A, Hull HU6 7RX, Tel.: +44 (0)1482 463859; fax: +44 (0)1482 463855. 2 Health and Exercise Sciences Research Group, University of Stirling, Scotland, United Kingdom 3 SportScotland Institute of Sport, Stirling, Scotland, United Kingdom 4 Health and Exercise Sciences Research Group, University of Stirling, Scotland, United Kingdom. M.Ditroilo@hull.ac.uk	NCBI	Journal of Electromyography and Kinesiology
Tensiomyography of selected lower-limb muscles in professional soccer players	2012	Journal	J Electromyogr Kinesiol. 2012 Dec;22(6):866-72. doi: 10.1016/j.jelekin.2012.06.003. Epub 2012 Jul 7. PMID: 22776612	Rey E, Lago-Peñas C, Lago-Ballesteros J.	Department of Sports Sciences, Faculty of Sports Sciences, University of Vigo, Pontevedra, Spain.	NCBI	Journal of Electromyography and Kinesiology
Functional differences in the musculature of the knee in professional female volleyball players	2012	Kronos	Kronos. 12/2011; 10(2):55-62. ISSN: 1579-5225. BDDS: Directory of Open Access Journals (DOAJ), LILACS (Literatura Latino-Americana e do Caribe em Ciências da Saúde), SciELO Scopus.	Diez Vega, I.2, Rodríguez-Matoso, D.1, Fernández-del Valle, M.2, Sagastume, R.3, Estevez, R.2, Molina, J.J.2, Rodríguez-Ruiz, D.1	Universidad de Las Palmas de Gran Canaria. 2 Universidad Europea de Madrid. 3 Universidad de País Vasco.	–	Kronos

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Assessment of muscle response as a control tool in the area of physical activity, health, and sports	2012	Elsevier	Rev Andal Med Deporte. 2012;5(1):28-40	D. Rodríguez-Matoso a, J.M. García-Manso a, S. Sarmiento a, Y. de Saa a, D. Vaamonde b, D. Rodríguez-Ruiz a y M.E. da Silva-Grigoletto c,d	a Laboratorio de Análisis y Planificación del Entrenamiento Deportivo. Departamento de Educación Física de la Universidad de Las Palmas de Gran Canaria. Las Palmas de Gran Canaria. España. b Departamento de Ciencias Morfológicas. Facultad de Medicina de la Universidad de Córdoba. Córdoba. España. c Centro Andaluz de Medicina del Deporte. Córdoba. España. dAsociación Scientific Sport. Córdoba. España.	-	-
Increased fatigability of the gastrocnemius medialis muscle in individuals with intermittent claudication	2012	Journal	Eur J Vasc Endovasc Surg. 2012 Aug;44(2):170-6. doi: 10.1016/j.ejvs.2012.04.024. Epub 2012 May 31. PMID: 22658608	Gasparini M, Sabovic M, Gregoric ID, Simunic B, Pisot R.	Department of Vascular Surgery, General Hospital Izola, Izola, Slovenia. mladen.gasparini@telemach.net	NCBI	Journal of Electromyography and Kinesiology
Between-day reliability of a method for non-invasive estimation of muscle composition	2012	Journal	J Electromyogr Kinesiol. 2012 Aug;22(4):527-30. doi: 10.1016/j.jelekin.2012.04.003. Epub 2012 Apr 29. PMID: 22546361	Šimunič B.	University of Primorska, Science and Research Centre Koper, Institute for Kinesiology Research, Slovenia. Bostjan.simunic@zrs.upr.si	NCBI	Journal of Electromyography and Kinesiology
Effect of high-load and high-volume resistance exercise on the tensiomyographic twitch response of biceps brachii	2012	Journal	J Electromyogr Kinesiol. 2012 Aug;22(4):612-9. ISSN: 1050-6411 doi: 10.1016/j.jelekin.2012.01.005. Epub 2012 Feb 15. PMID: 22341590	García-Manso JM, Rodríguez-Matoso D, Sarmiento S, de Saa Y, Vaamonde D, Rodríguez-Ruiz D, Da Silva-Grigoletto ME.	Laboratorio de Análisis y planificación del entrenamiento deportivo, Physical Education Department, University of Las Palmas de Gran Canaria, Spain.	NCBI	Journal of Electromyography and Kinesiology
Skeletal muscles in elite football players	2012	Magazine	MAGAZINE / PREPARAZIONE ATLETICA	-	-	-	Calciatori
Assessment of eccentric exercise-induced muscle damage of the elbow flexors by tensiomyography	2012	Journal	J Electromyogr Kinesiol. 2012 Jun;22(3):334-41. doi: 10.1016/j.jelekin.2012.01.009. Epub 2012 Feb 13. PMID: 22336641	Hunter AM, Galloway SD, Smith IJ, Tallent J, Ditroilo M, Fairweather MM, Howatson G.	Health and Exercise Sciences Research Group, University of Stirling, Stirling, UK. a.m.hunter1@stir.ac.uk	NCBI	Journal of Electromyography and Kinesiology
The tensiomyography used for evaluating high level beach volleyball players	2012	Journal	Rev Bras Med Esporte vol.18 no.2 São Paulo Mar./Apr. 2012	David Rodríguez Ruiz; Miriam Esther Quiroga Escudero; Dario Rodríguez Matoso; Samuel Sarmiento Montesdeoca; José Losa Reyna; Yves de Saá Guerra; Gloria Perdomo	University of Las Palmas de Gran Canaria	-	Scielo
The Influence of Different Elbow Angles on the Twitch Response of the Biceps Brachii Muscle Between Intermittent Electrical Stimulation	2012	InTech	Applied Biological Engineering - Principles and Practice, Chapter 12, Edited by Dr. Ganesh R. Naik ISBN 978-953-51-0412-4. Hard cover, 662 pages. Publisher InTech 2012. DOI: 10.5772/35312 www.intechopen.com	Srdjan Djordjeviè1,3, Sašo Tomažičè2, Gregor Zupanè1, Rado Pišot3 and Raja Dahmane4	Department of Biology, Biotechnical Faculty, University of Ljubljana, Ljubljana, 2Department of Telecommunications, Faculty of Electrical Engineering, University of Ljubljana, Ljubljana, 3Institute for Kinesiology Research, Science and Research Center of Koper, University of Primorska, Koper, 4Medical Faculty, Institute of Anatomy, University of Ljubljana, Ljubljana, Slovenia	-	Intech
The effect of recovery strategies on contractile properties using Tensiomyography and perceived muscle soreness in professional soccer players	2012	Journal	J Strength Cond Res. 2012 Nov;26(11):3081-8. doi: 10.1519/JSC.0b013e3182470d33. PMID: 22210472	Rey E, Lago-Peñas C, Lago-Ballesteros J, Casáis L.	Department of Sports Sciences, Faculty of Sports Sciences, University of Vigo, Pontevedra, Spain.	NCBI	Journal of Strength & Conditioning Research

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Physical activity program effects on the functional efficiency of flexors and extensor's knee and ankle in Alzheimer's patients	2011	Journal	European Geriatric Medicine. 2S. Pág.: S154. ISSN: 1878-7659.	Sarmiento, S.; Rodríguez-Ruiz, D.; Rodríguez-Matoso, D.; De Saa, Y.; Bartolomé de la Rosa, D.; García-Manso, J.M.	University of Las Palmas de Gran Canaria	-	-
Neuromuscular assessment in the study of structural changes of striated muscle in multiple sclerosis	2011	Journal	Rom J Morphol Embryol. 2011;52(4):1299-303. PMID: 22203937	Neamțu MC, Rusu L, Rusu PF, Neamțu OM, Georgescu D, Iancău M.	Department of Pathologic Physiology, University of Medicine and Pharmacy of Craiova, Romania. drcristianeamtu@yahoo.com	NCBI	-
Comparison of the Contractile Properties of the m. Rectus Femoris in Young and Elderly Subjects Using Tensiomyography	2011	Presentation	-	Stef Harley, MRS-P	-	-	-
Tensiomyographic contraction time of selected skeletal muscles in elite football players	2011	Presentation	2nd International Scientific Conference EXERCISE AND QUALITY OF LIFE Novi Sad, Serbia: March 24 - 26, 2011 Proceedings Book	Šimunič B.	University of Primorska, Science and Research Centre Koper, Institute for Kinesiology Research, Slovenia. Bostjan.simunic@zrs.upr.si	-	-
Assessment of Muscle Fatigue After an Ultra-endurance Triathlon Using Tensiomyography (TMG)	2011	Journal	J Sports Sci. 2011 Mar;29(6):619-25. doi: 10.1080/02640414.2010.548822. PMID: 21391085	García-Manso JM, Rodríguez-Ruiz D, Rodríguez-Matoso D, de Saa Y, Sarmiento S, Quiroga M.	Department of Physical Education, Universidad de Las Palmas de Gran Canaria, Las Palmas, Gran Canaria, Spain.	NCBI	Peer
Effect of Cold-Water Immersion on Skeletal Muscle Contractile Properties in Soccer Players	2011	Journal	Am J Phys Med Rehabil. 2011 May;90(5):356-63. doi: 10.1097/PHM.0b013e31820ff352. PMID: 21765254	García-Manso JM, Rodríguez-Matoso D, Rodríguez-Ruiz D, Sarmiento S, de Saa Y, Calderón J.	Sports Training Analysis and Planning Laboratory, University of Las Palmas de Gran Canaria (ULPGC), Las Palmas de Gran Canaria, Madrid, Spain.	NCBI	American Journal of Physical Medicine & Rehabilitation
The Effectiveness of Two Novel Techniques in Establishing the Mechanical and Contractile Responses of Biceps Femoris	2011	Journal	Physiol Meas. 2011 Aug;32(8):1315-26. Epub 2011 Jul 15. PMID: 21765207	Ditroilo M, Hunter AM, Haslam S, De Vito G.	Institute for Sport and Health, University College Dublin, Ireland. TRIL (Technology Research for Independent Living) Centre, University College Dublin, Ireland. massimiliano.ditroilo@ucdconnect.ie	NCBI	IOP Science
Noninvasive Estimation of Myosin Heavy Chain Composition in Human Skeletal Muscle	2011	Journal	Med Sci Sports Exerc. 2011 Sep;43(9):1619-25. doi: 10.1249/MSS.0b013e31821522d0. PMID: 21552151	Simunič B, Degens H, Rittweger J, Narici M, Mekjavič IB, Pišot R.	Institute for Kinesiology Research, Science and Research Centre Koper, University of Primorska, Koper, Slovenia. Bostjan.simunic@zrs.upr.si	NCBI	ELIB
Use of Tensiomyography for Early Detection of Muscle Injuries	2011	Presentation	-	Petra Zupet1, Martin Zorko1, Sergej Rozman2, Srdjan Djordjevic2	Sports medicine unit, University Medical Centre Ljubljana, Slovenia; 2 TMG-BMC Ltd., Ljubljana, Slovenia	-	-
Study of Mechanical Characteristics of the Knee Extensor and Flexor Musculature of Volleyball Players	2011	Journal	European Journal of Sport Science Volume 12, Issue 5, 2012 doi:10.1080/17461391.2011.568633	David Rodríguez-Ruiz1, Dario Rodríguez-Matosa1, Miriam E. Quiroga1, Samuel Sarmiento1, Juan Manuel García-Mansoa1 Marzo E. Da Silva-Grigolettob2	Department of Physical Education, Univenidad de Las Palmas de Gran Canaria, Las Palmas de Gran Canaria, Spain 2Andalusian Center of Sports Medicine, Cordoba, Spain	-	European Journal of Sport Science
Tensiomyographic Characteristics of Rectus Femoris after a Single Bout of Intense Exercise	2011	Journal	Journal of Social Sciences 7 (3): 354-357, 2011. ISSN 1549-3652 DOI: 10.3844/jssp.2011.354.357	1Luis Carrasco Paez, 1Borja Sañudo Corrales 1Moises de Hoyo Lora, 2Gabriela Ochiana	Department of Physical Education and Sport, University of Seville, Spain 2Department of Sports and Human Movement Sciences, Faculty of Health, University "Vasile Alecsandri" of Bacau, Romania	-	BioMedSearch
Reproducibility of Muscle Response Measurements Using Tensiomyography in a Range of Positions	2010	Elsevier	Rev Andal Med Deporte. 2010;3(3):81-86	D. Rodríguez-Matosa a, D. Rodríguez-Ruiz a, S. Sarmiento a, D. Vaamonde b, M.E. Da Silva-Grigoletto b and J.M. García-Manso c	Physical Education Department. School of Physical Activity and Sport Sciences. University of Las Palmas de Gran Canaria. Las Palmas de Gran Canaria. Spain. c Andalusian Center of Sports Medicine. Córdoba. Spain. b Morphological Sciences Department. School of Medicine. University of Córdoba. Córdoba. Spain.	-	Elsevier

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Inter-Rater Reliability of Muscle Contractile Property Measurements Using Non-Invasive Tensiomyography	2010	Journal	J Electromyogr Kinesiol. 2010 Aug;20(4):761-6. doi: 10.1016/j.jelekin.2010.02.008. Epub 2010 Mar 16. PMID: 20236839	Tous-Fajardo J, Moras G, Rodríguez-Jiménez S, Usach R, Doutres DM, Maffioletti NA.	Sports Science Research Group, Institut Nacional d'Educació Física de Catalunya, Centro de Barcelona, Avda. de l'Estadi s/n, Anella Olímpica de Montjuic, Barcelona, Spain. juliotous@mastercede.com	NCBI	–
Transversal and Longitudinal Twitch Response of Biceps Brachii	2010	Journal	Medicina Sportiva" Nr.10 - 2007	Boštjan Šimunič ^{1,2} , Dejan Kržaj ² , Rado Pišot ¹	1University of Primorska, Scientific Research Centre Koper, Institute of Kinesiology Research, Slovenia 2University of Ljubljana, Faculty of Electrical Engineering, Slovenia		
Tensiomyography in Physical Rehabilitation of High Level Athletes	2010	Journal	The Open Sports Sciences Journal, 2010, 3, 47-48	Pedro S. Dias ¹ , Joan S. Fort ² , Daniel A. Marinho ^{1,3} , Albano Santos ¹ and Mário C. Marques ^{1,3}	University of Beira Interior, Sport Sciences Department (UBI, Covilhã, Portugal) 2Universidade de Barcelona, Instituto Nacional de Educação Física da Catalunha, (INEFC, Barcelona, Spain) 3Research Centre in Sports, Health and Human Development (CIDESD, Vila Real, Portugal)	–	Bentham Science Publishers
Tensiomyographic Measurements Of Muscle Atrophy Dynamics During 35-Day Bed Rest	2010	Presentation	Life in Space for Life on Earth Session: Session 9a: Muscle Physiology I (15). Oral presentation. Wednesday, June 16, 2010 Time: 14:00 - 15:30	B. Simunic, J. Rittweger, H. Dagens, M. Narici, P. Di Prampero, S. Lazzar, G. Biolo, I.B. Mekjavic, R. Pisot	Life in Space for Life on Earth Session: Session 9a: Muscle Physiology I (15) Type: Oral presentation Date: Wednesday, June 16, 2010 Time: 14:00 - 15:30 ISSBB conference 2010	–	Congrex
Tensiomyography as muscle evaluation tool in sports Original: La tensiomiografía como herramienta de evaluación muscular en el deporte	2010	Elsevier	Published in Rev Andal Med Deporte.2010; 03 :98-102 - vol.03 num 03	J.M. García-Manso a, D. Rodríguez-Matoso a, S. Sarmiento a, Y. De Saa a; D. Vaamonde b, D. Rodríguez-Ruiz a y M.E. Da Silva-Grigoletto c	Laboratorio de Análisis y Planificación del Entrenamiento Deportivo. Departamento de Educación Física de la Universidad de Las Palmas de Gran Canaria. Las Palmas de Gran Canaria. España. b Departamento de Ciencias Morfológicas. Facultad de Medicina de la Universidad de Córdoba. Córdoba. España. c Centro Andaluz de Medicina del Deporte. Córdoba. España.	–	Elsevier
Contractile Parameters Comparison between Twelve Skeletal Muscles in Inter-dance Couple Athletes	2010	Journal	Kinesiologia Slovenica, 16, 3, 57–65 (2010)	Meta Zagorc ¹ Boštjan Šimunič ² Rado Pišot ² Goran Orež ³	University of Ljubljana, Faculty of Sport, Slovenia 2University of Primorska, Scientific and Research Centre Koper, Institute for Kinesiology Research, Slovenia 3University of Zagreb, Faculty of Kinesiology, Croatia *Corresponding author: Meta Zagorc, PhD University of Ljubljana, Faculty of Sport, Gortanova 22, 1000 Ljubljana, Slovenia Phone: 00-386 (0)1 520 7763 Email: meta.zagorc@guest.arnes.si	–	Google
Assesment of knee stability using neuromuscular measurement in soccer players	2009		–	Rusu L, Cernaianu S, Vasilescu M, Baltac G, Ciocanescu D, Fortan C	Department of Sport Medicine and Rehabilitation, University of Craiova, Craiova, Romania. ligiarusu@hotmail.com	–	–
Neuromuscular Investigation in Diabetic Polyneuropathy (Case report)	2009	Journal	Rom J Morphol Embryol. 2009;50(2):283-290. PMID: 19434324	L. Rusu, M.L. Calina, E.T. Avramescu, E. Paun, M. Vasilescu	Department of Sport Medicine and Rehabilitation, University of Craiova, Craiova, Romania. ligiarusu@hotmail.com	NCBI	Europe PMC
The Effect of Ageing on Contraction Time of Postural and Non-Postural Skeletal Muscles in Master Athletes	2009	Presentation	Faculty of Sport and Physical Education, Novi Sad, Serbia; EQOL, Volume I, Issue I.	B. Šimunic ¹ , R. Pišot ¹ , J. Rittweger ²	Institute for Kinesiology Research, Science and Research centre of Primorska, University of Primorska, Koper, Slovenia 2 Institute for Biomedical Research into Human Movement and Health, Manchester Metropolitan University, UK	–	–
Short Term Repeatability of Parameters Extracted from Radial Displacement of Muscle Belly	2008	Journal	J Electromyogr Kinesiol. 2008 Aug;18(4):645-51. Epub 2007 Mar 26. PMID: 17379538	D. Kržaj, B. Simunic, T. Zagar	Faculty of Electrical Engineering, University of Ljubljana, Trzaska 25, 1000 Ljubljana, Slovenia. dejan.kržaj@fe.uni-lj.si	NCBI	Journal of Electromyography and Kinesiology
Whole Muscle Contractile Parameters and Thickness Loss During 35-day Bed Rest	2008	Journal	Eur J Appl Physiol. 2008 Sep;104(2):409-14. Epub 2008 Feb 23. PMID: 18297302	R. Pisot, M.V. Narici, B. Simunic, M. De Boer, O. Seynnes, M. Jurdana, G. Biolo, I.B. Mekjavic	Institute of Kinesiology Research, University of Primorska, Zrs and Research Centre of Koper, 6000, Koper, Slovenia. rado.pisot@zrs.upr.si	NCBI	Springer link

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Regular Sport Activity does not Prevent Skeletal Muscle Contraction Time Loss in Master Athletes	2008	Presentation	Brno EVACS	Boštjan Šimunic 1, Rado Pišot 1, Jörn Rittweger 2 Igor B Mekjavic 3	Institute for Kinesiology Research, Science and Research centre of Primorska, University of Primorska, Koper, Slovenia 2 Institute for Biophysical and Clinical Research into Human Movement, Manchester Metropolitan University, UK 3 Department of Automation, Biocybernetics and Robotics, Institute of Josef Stefan, Ljubljana, Slovenia	-	-
Atrophy dynamics of quadriceps muscles during 35 days of bed rest	2008	Presentation	EJAP Bedrest 2008	Šimunic Boštjan 1, Križaj Dejan 2, Rittweger Jörn 3, Narici Marco 3, Mekjavic B Igor 4, Pišot Rado 1	Institute for Kinesiology Research, Science and Research Centre of Koper, University of Primorska, Slovenia 2 Laboratory for Bioelectromagnetics, Faculty of Electrical Engineering, University of Ljubljana, Slovenia 3 Institute for Biophysical and Clinical Research into Human Movement, Manchester Metropolitan University, UK 4 Department of Automation, Biocybernetics and Robotics, Institute of Josef Stefan, Slovenia	-	-
The 5 Year Follow-up Study of Body Mass Index in Correlation to Skeletal Muscle Belly Stiffness and Lateral Symmetry	2008	Preprint	-	Boštjan Šimunic 1, Franjo Prot 2 and Rado Pišot 1	Institute of Kinesiology Research, Science and Research Centre of Koper, University of Primorska, Koper, Slovenia 2 Faculty of Kinesiology, University of Zagreb, Zagreb, Croatia	-	-
Tensiomyography as method of evaluating muscles status	2007	Journal	Acta Med Croatica. 2007;61 Suppl 1:23-6. PMID: 18949921	Markulincić B, Muraja S.	Specijalna bolnica za fizikalnu medicinu i rehabilitaciju, Stubicke Toplice, Hrvatska.	NCBI	-
Evaluation of Muscle Dynamic Response Measured Before and After Treatment of Spastic Muscle with a BTX-A - a case study	2007	Presentation	11th Mediterranean Conference on Medical and Biomedical Engineering and Computing 2007; IFMBE Proceedings Volume 16, 2007, pp 393-396	D. Križaj 1, K. Grabljevec 2, B. Šimunic 3,4	University of Ljubljana, Faculty of Electrical Engineering, Ljubljana, Slovenia 2 Institute for rehabilitation, Ljubljana, Slovenia 3 University of Primorska, Institute of Kinesiology Research, SRC Koper, Koper, Slovenia 4 TMG-BMC Ltd., Ljubljana, Slovenia	-	Springer link
Skeletal Muscle Differentiation Related to Child Physical Activity	2007	Presentation	Zbornik radova interdisciplinarne naučne konferencije sa međunarodnim učešćem Antropološki status i fizička aktivnost dece, omladine i odraslih, Str. 249-258; Novi Sad, 6-7. decembar 2007	Rado Pišot 1, Petra Dolenc 1, Mihaela Jurdana 2, Tina Šetina 3, Tadeja Volmut 4, Boštjan Šimunič 5	University of Primorska, Science and Research Centre of Koper, Slovenia; University of Primorska, Faculty of Education, Slovenia 2 University of Primorska, Science and Research Centre of Koper, Slovenia; University of Primorska, College of Health Care Izola, Slovenia 3 University of Primorska, Science and Research Centre of Koper, Slovenia; 4 University of Primorska, Science and Research Centre of Koper, Slovenia 4 University of Primorska, Faculty of Education, Slovenia 5 University of Primorska, Science and Research Centre of Koper, Slovenia	-	-
Adaptive potential of human biceps femoris muscle demonstrated by histochemical, immunohistochemical and mechanomyographical methods	2006	Journal	Med Biol Eng Comput. 2006 Nov;44(11):999-1006. Epub 2006 Oct 6. PMID: 17024467	R. Dahmane, S. Djordjevic, V. Smerdu	Institute of Anatomy, Medical Faculty, University of Ljubljana, Korytkova 2, Ljubljana, Slovenia. raja.dahmane@guest.arnes.si	NCBI	Springer link
Biomechanical Properties of Calf Muscles in Patients with Peripheral Artery Disease	2006	Presentation	-	M. Gasparini, M. Sabovic, B. Simunic, R. Pisot, V. Videcnik	Institute of Kinesiology Research, University of Primorska, Science and Research Centre of Koper, 6000, Koper, Slovenia.	-	-
Spatial Fiber Type Distribution in Normal Human Muscle - Histochemical and Tensiomyographical Evaluation	2005	Journal	J Biomech. 2005 Dec;38(12):2451-9. PMID: 16214493	R. Dahmane, S. Djordjevic, B. Simunic, V. Valencic	University College for Health Studies, Poljanska 26 a, 1000 Ljubljana, Slovenia. raja.dahmane@guest.arnes.si	NCBI	-
Histochemical and Tensiomyographical Analysis of Sedentary Men and Sprinters Biceps Femoris	2005	Presentation	10th European College of Sport Science. Annual Congress : July 13-16, 2005: Belgrade. Book of abstracts. Sport Medicine Association of Serbia, [2005], str. 280. [COBISS.SI-ID 910291]	Djordjevič Srdjan1,3, Dahmane Raja2, Šimunič Boštjan1,3, Pišot Rado1, Kropej Veronika L.1	Institut for Kinesiology, Science and Research Centre of Koper, University of Primorska, Slovenia 2University College for Health Studies, University of Ljubljana, Slovenia 3TMG-BMC Ltd, Biomedical Consulting, Ljubljana, Slovenia	-	SMAS

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Monitoring of Biceps Femoris (BF) Activation Pattern Changes between Maximal and Supramaximal Sprints	2005	Presentation	10th European College of Sport Science. Annual Congress: July 13-16, 2005: Belgrade. Book of abstracts. Sport Medicine Association of Serbia.	Djordjevič Srdjan ^{1,2} , Rozman Sergej ¹ , Pišot Rado ²	TMG-BMC Ltd, Biomedical Consulting, Ljubljana, Slovenia ² Institut for Kinesiology, Science and Research Centre of Koper, University of Primorska, Slovenia	–	SMAS
Validation of an accelerometer for determination of muscle belly radial displacement	2005	Journal	Medical and Biological Engineering and Computing 2005, Volume 43, Issue 1, pp 78-84	Zagar T1, Krizaj D.	1Faculty of Electrical Engineering, Laboratory for Bioelectromagnetics, Ljubljana, Slovenia	NCBI	Springer link
Strength and endurance of knee extensors in subjects after paralytic poliomyelitis	2005	Journal	Disabil Rehabil. 2005 Jul 22;27(14):791-9. PMID: 16096231	Grabljevec K, Burger H, Kersevan K, Valencic V, Marincek C.	Institute for Rehabilitation and University of Ljubljana, Faculty of Electrical Engineering, Slovenia. klemen.grabljevec@mail.ir-rs.si	NCBI	–
Biomechanical Properties of Skeletal Muscle in Child The Chronological Overview	2005	Presentation	10th European College of Sport Science. Annual Congress : July 13-16, 2005: Belgrade. Book of abstracts. Sport Medicine Association of Serbia, [2005], str. 201. [COBISS.SI-ID: 909779]	B. Šimunic ^{1,2} , R. Pišot ¹ , S. Rozman ² , J. Planinšec ¹	Institut for Kinesiology, Science and Research Centre of Koper, University of Primorska, Slovenia ² TMG-BMC Ltd, Biomedical Consulting, Ljubljana, Slovenia	–	SMAS
Detecting the Velocity of the Muscle Contraction	2005	Presentation	New technologies in sport, Sarajevo 2005	Boštjan Šimunič ^{1,2} , Sergej Rozman ¹ , Rado Pišot ²	TMG-BMC Ltd, Biomedical Consulting, Ljubljana, Slovenia ² Institut for Kinesiology, Science and Research Centre of Koper, University of Primorska, Slovenia	–	–
Transversal and Longitudinal Twitch Response of Biceps Brachii	2005	Presentation	–	Boštjan Šimunic ^{1, 2} , Dejan Krizaj ² , Marco Narici ³ , Rado Pišot ¹	Institute of Kinesiology Research, Scientific and Research Centre Koper, University of Primorska, Koper, Slovenia ² Laboratory for muscle biomechanics, Faculty of Electrical Engineering, University of Ljubljana, Ljubljana, Slovenia ³ Institute for Biomedical Research into Human Movement and Health, Manchester, Metropolitan University, Manchester, Great Britain	–	–
Age Related Changes of the Skeletal Muscle Contractile Properties	2005	Presentation	Opatija 2005	Boštjan Šimunic ¹ , Rado Pišot ¹ , Srdjan Djordjevic ¹ , Otmar Kugovnik ²	1Institute for Kinesiology, Science and Research Centre Koper, University of Primorska, Slovenia ² Faculty of Sport, University of Ljubljana, Slovenia	–	–
Detection of Contractile Properties of Chronically Spastic Muscles in Subjects After Traumatic Brain Injury with Tensiomyographic (TMG) Method	2004	Journal	Int. j. rehabil. res., June 2004, vol. 27, suppl. 1, str. 132-133. [COBISS.SI-ID 526441]	K. Grabljevec ¹ , B. Šimunic ² , K. Kerševan ² , D. Krizaj ² , V.Košorok ¹ and M.Gregoric ¹	Institute for Rehabilitation, Ljubljana, Slovenia ² University of Ljubljana, Faculty of Electrical Engineering, Ljubljana, Slovenia	–	–
Differentiation of skeletal muscles in 9-year old children	2004	Journal	Kinesiology (Zagreb). [English ed.], 2004, vol. 36, no. 1, str. 90-97, graf. prikazi. [COBISS.SI-ID 718291].	Rado Pišot ^{1,2} ; Katarina Kerševan ³ ; Srdjan Djordjevič ³ ; Vladimir Medved ⁴ ; Jernej Završnik ² ; Boštjan Šimunič ³	Faculty of Education, University of Primorska, Slovenia ² Science and Research Centre Koper, University of Primorska, Slovenia ³ Faculty of electrical engineering, University of Ljubljana, Ljubljana, Slovenija ⁴ Faculty of Kinesiology, University of Zagreb, Croatia	–	Hrcak
Geometric Model of Muscle Contraction	2003	Journal	EUROCON 2003. Computer as a Tool. The IEEE Region 8: Ljubljana 22-24 Sept. 2003, Vol.2, Page(s): 206 - 208	I. Hafner, B. Simunic, V. Valencic, S. Djordjevic, P. Stusek, G. Znidaric	Faculty of electrical engineering, University of Ljubljana, Ljubljana, Slovenija	–	IEE explore
Tensiomyographic and electromyographic methods for neuro-muscular system assessment: information content, differences and applications	2003	Preprint	–	V. Valencic, S. Djordjevic, K. Kersevan, B. Simunic	University of Ljubljana, Faculty of Electrical Engineering,	–	–
The Muscle Adaptation Process as a Result of Pathological Changes or Specific Training Procedures	2002	Journal	Cell Mol Biol Lett. 2002;7(2):367-9. PMID: 12097988	K. Kersevan, V. Valencic, S. Djordjevic, B. Simunic	Laboratory of Biomedical Visualization and Muscle Biomechanics, Faculty of Electrical Engineering, University of Ljubljana, SI-1000, Ljubljana, Slovenia.	NCBI	–

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Povezanost maksimalne hitrosti teka s kontraktilnimi lastnostmi mišic	2002	Presentation	ZAJC, Baldomir (ur.). Zbornik enajste mednarodne Elektrotehniške in računalniške konference ERK 2002, 23.-25. september 2002, Portorož, Slovenija. Ljubljana: IEEE Region 8, Slovenska sekcija IEEE, [2002], zv. B, str. 329-332. [COBISS.SI-ID 3206740]	U. Praprotnik, V. Valencic, M. Coh, B. Simunic	Laboratory of Biomedical Visualization and Muscle Biomechanics, Faculty of Electrical Engineering, University of Ljubljana, SI-1000, Ljubljana, Slovenia	-	-
The Comparison of Dynamic Characteristics of Skeletal Muscles in two Groups of Sportsmen - Sprinters and Cyclists	2001	Preprint	-	S. Djordjevic, V. Valencic, B. Jurcic-Zlobec	University of Ljubljana, Faculty of Electrical Engineering	-	-
Tensiomyography - Detection of skeletal muscle response by means of radial muscle belly displacement	2001	Preprint	-	V. Valencic, N. Knez, B. Simunic	University of Ljubljana, Faculty of Electrical Engineering Laboratory for Biomedical Visualisation and Biomechanics of Skeletal muscles, Slovenia	-	-
Evaluation of the Ability to Make Non-invasive Estimation of Muscle Contractile Properties on the Basis of the Muscle Belly Response	2001	Journal	Med Biol Eng Comput. 2001 Jan;39(1):51-5. JCR IF (1999): 1.004; SE, x: 0.661 (13/76), computer science, interdisciplinary applications, x: 1.055 (16/43), engineering, biomedical, x: 1.014 (9/19), medical informatics. PMID: 11214273	R. Dahmane 1 V. Valenčič 2 N. Knez 2 I. Eržen 1	Institute of Anatomy, Medical Faculty, Ljubljana, Slovenia 2Faculty of Electrical Engineering, University of Ljubljana, Slovenia	NCBI	-
Merjenje dinamike živčnomišične utrujenosti z metodo imenovano tenziomiografija	1999	Journal	Atletika (Ljubl.), 1999, št. 20/21, str. XI-XIII, ilustr. [COBISS-ID 486065]	PRAPROTNIK Urban, VALENČIČ Vojko, ČOH Milan	University of Ljubljana Faculty of Electrical Engineering Trzaska 25, 1000 Ljubljana, Slovenia Laboratory for Biomedical Visualization and Muscle Biomechanics Laboratory for Computational Electromagnetics	-	WorldCat
Measuring of skeletal muscles' dynamic properties	1997	Journal	Artif Organs. 1997 Mar;21(3):240-2. [COBISS-ID 781908] JCR IF: 0.893; SE, x: 1.138 (21/41), engineering, biomedical. PMID: 9148715	Valencic V, Knez N.	Faculty of Electrical Engineering, University of Ljubljana, Slovenia.	NCBI	Wiley Online Library
Properties of musculus gluteus maximus in above-knee amputees	1996	Journal	Clin Biomech (Bristol, Avon). 1996 Jan;11(1):35-38. [COBISS-ID 781652] JCR IF: 0.746; SE, x: 0.723 (15/37), orthopedics, x: 1.138 (24/41), engineering, biomedical. PMID: 11415596	Burger H, Valencic V, Marincek C, Kogovsek N.	University Rehabilitation Institute, University of Ljubljana, Ljubljana, Slovenia.	NCBI	SciVerse