

LIST OF PUBLICATIONS



TMGTM

SCIENCE FOR BODY EVOLUTION.

TITLE	YEAR	TYPE	PUBLICATION	AUTHOR(S)	INSTITUTION	NCBI LINK	OTHER LINK
Caffeine-Induced Effects on Human Skeletal Muscle Contraction Time and Maximal Displacement Measured by Tensiomyography	2021	journal	Nutrients	Przemysław Domaszewski, Paweł Pakosz, Mariusz Konieczny, Dawid Bączkiewicz and Ewa Sadowska-Krępa	Faculty of Physical Education and Physiotherapy, Opole University of Technology, Opole, Poland; Institute of Sport Sciences, The Jerzy Kukuczka Academy of Physical Education, Katowice, Poland;		
Tensiomyographic Neuromuscular Response of the Peroneus Longus and Tibialis Anterior with Chronic Ankle Instability	2021	journal	Healthcare	Tsubasa Tashiro, Noriaki Maeda, Junpei Sasadai, Somu Kotoshiba, Shogo Sakai, Yuta Suzuki, Hironori Fujishita and Yukio Urabe	Graduate School of Biomedical and Health Sciences, Hiroshima University, Japan; Sports Medical Center, Japan Institute of Sports Sciences, Tokyo, Japan; Matterhorn Rehabilitation Hospital, Japan; Sports Medical Center, Hiroshima University Hospital, Hiroshima University, Japan;		
High-Protein Energy-Restriction: Effects on Body Composition, Contractile Properties, Mood, and Sleep in Active Young College Students	2021	journal	Front. Sports Act. Living	Christian Roth, Lukas Rettenmaier and Michael Behringer	Institute of Sport Sciences, Goethe University Frankfurt, Germany		
Effects of Dry Needling of Latent Trigger Points on Viscoelastic and Muscular Contractile Properties: Preliminary Results of a Randomized Within-Participant Clinical Trial	2021	journal	J. Clin. Med.	Albert Pérez-Bellmunt, Oriol Casasayas-Cos, Carlos López-de-Celis, Jacobo Rodríguez-Sanz, Jorge Rodríguez-Jiménez, Sara Ortiz-Miguel, Toni Meca-Rivera and César Fernández-de-Ias-Peñas	Universitat Internacional de Catalunya, Sant Cugat del Vallès, Spain; ACTIUM Functional Anatomy Group, Barcelona, Spain Fundació Institut Universitari per a la Recerca a l'Atenció Primària de Salut Jordi Gol i Gurina, Barcelona, Spain Universidad Rey Juan Carlos, Alcorcón, Spain;		
Tensiomyographic Responses to Warm-Up Protocols in Collegiate Male Soccer Athletes	2021	journal	J. Funct. Morphol. Kinesiol	Michael J. Redd, Tristan M. Starling-Smith, Chad H. Herring, Matt S. Stock, Adam J. Wells, Jeffrey R. Stout and David H. Fukuda	University of Central Florida, Orlando, USA;		
The Reliability of Tensiomyography for Assessment of Muscle Function in the Healthy Population: A Systematic Review	2021	journal	Strength and Conditioning Journal	William J. Hanney, Morey J. Kolber, Paul A. Salanh, Stephon Moise, Daniel Hampton, and Abigail T. Wilson	College of Health Professions and Sciences, University of Central Florida, Orlando, Florida; College of Health Care Sciences, Nova Southeastern University, Fort Lauderdale, Florida; College of Health Sciences, University of Indianapolis, Indianapolis, Indiana		
Mechanical Muscle Response in Major Pectoralis in Swimmers through the use of Tensiomyography	2021	journal	Kronos	Bueno Russo Rodrigo, Diaz Urena German	Universidad Europea de Madrid		
Effects of resistance training on hypertrophy, strength and tensiomyography parameters of elbow flexors: role of eccentric phase duration	2021	journal	Biology of Sport	Filip Kojić, Igor Ranisavljev, Dušan Čosić, Dejana Popović, Stanimir Stojiljković, Vladimir Ilić	Teacher Education Faculty, University of Belgrade, Belgrade, Serbia Faculty of Sport and Physical Education, University of Belgrade, Belgrade, Serbia Health Center Kovin, Department of Radiology, Kovin, Serbia Faculty of Pharmacy, University of Belgrade, Belgrade, Serbia Clinical Centre of Serbia, University of Belgrade, Belgrade, Serbia		
Evaluation of Muscle Damage by Central Fatigue Using Tensiomyography	2021	journal	The Korean Journal of Sports Medicine	Jung Hoon Chai, Sang-Won Bae	Sunsoochon Hospital, Seoul, Korea		

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An assessment of the contractile properties of the shoulder musculature in elite volleyball players using Tensiomyography	2021	journal	IJSPT	Aaron Parmar, Margaret Scott, Courtney Brand, Thomas W. Jones,	Northumbria University, United Kingdom		
Muscular and Physical Response to an Agility and Repeated Sprint Tests According to the Level of Competition in Futsal Players	2021	journal	Frontiers in Psychology	Jorge García-Uanue, José Luis Felipe, David Bishop, Enrique Colino, Esther Ubago-Guisado, Jorge López-Fernández, Enrique Hernando, Leonor Gallardo and Javier Sánchez-Sánchez	University of Castilla-La Mancha, Toledo, Spain, Universidad Europea de Madrid, Villaviciosa de Odón, Spain, Institute of Sport, Exercise and Active Living, Victoria University, Melbourne, Australia, Edith Cowan University, Joondalup, Australia, Coventry University, Coventry, United Kingdom		
Comparison of Interventional Strategies to Improve Recovery after Eccentric Exercise-Induced Muscle Fatigue	2021	journal	International Journal of Environmental Research and Public Health	Manuel García-Sillero, Javier Benítez-Porres, Jerónimo García-Romero, Diego A. Bonilla, Jorge L. Petro and Salvador Vargas-Molina	EADE-University of Wales Trinity Saint David, Málaga, Spain; Faculty of Medicine, University of Málaga, Spain; DBSS International SAS, Bogotá, Colombia; Universidad de Córdoba, Montería, Colombia Universidad Distrital Francisco José de Caldas, Bogotá, Colombia		
Correlation between maximal radial muscle displacement and stiffness in gastrocnemius muscle	2021	journal	Physiological Measurement	Noé Labata-Lezaun, Carlos López-de-Celis, Luis Llurda-Almuzara, Vanessa González-Rueda, Aida Cadellans-Arróniz and Albert Pérez-Bellmunt	Universitat Internacional de Catalunya, Spain Universitat Internacional de Catalunya, Spain Fundació Institut Universitari per a la recerca a l'Atenció Primària de Salut Jordi Gol i Gurina, Barcelona, Spain		
Correlation between timed up and go test and skeletal muscle tensiomyography in female nursing home residents	2021	journal	J Musculoskelet Neuronal Interact	Ester Fabiani, Mladen Herc, Boštjan Šimunič, Bianca Brix, Kerstin Löffler, Lisa Weidinger, Andreas Ziegl, Peter Kastner, Alen Kapel, Nandu Goswami	Alma Mater Europaea ECM, Maribor, Slovenia; University Medical Centre Ljubljana, Ljubljana, Slovenia; Science and Research Centre Koper, Koper, Slovenia; Medical University of Graz, Graz, Austria; Geriatrische Gesundheitszentren der Stadt Graz, Graz Austria; AIT Austrian Institute of Technology GmbH, Graz, Austria; Institute of Neural Engineering, Graz University of Technology, Graz, Austria; Modus Medical, Maribor, Slovenia		
Countermovement jump variables not tensiomyography can distinguish between sprint and endurance focused track cyclists	2021	journal	Biology of Sport	Mitchell D. Lewis, Warren B. Young, Luke Knapstein, Andrew Lavender, Scott W. Talpey	School of Science, Psychology and Sport, Federation University Australia, Ballarat, Australia South Australian Sports Institute, South Australia, Australia		
Immediate effects of myofascial release on neuromechanical characteristics in female and male patients with low back pain and healthy controls as assessed by tensiomyography	2021	journal	Clinical Biomechanics	Christine Lohr, Ivan Medina-Porqueres	Faculty for Psychology and Human Movement Science. University of Hamburg, Germany. Faculty of Health Sciences. University of Malaga, Spain.		
Effects of a Massage Protocol in Tensiomyographic and Myotonometric Proprieties	2021	journal	Int. J. Environ. Res. Public Health	Albert Pérez-Bellmunt, Noé Labata-Lezaun, Luis Llurda-Almuzara, Jacobo Rodríguez-Sanz, Vanessa González-Rueda, Elena Bueno-Gracia, Derya Celik and Carlos López-de-Celis	Faculty of Medicine and Health Sciences, Universitat Internacional de Catalunya, Spain ACTIUM Research Group, 08195 Barcelona, Spain Faculty of Health Sciences, Unviersity of Zaragoza, Spain Faculty of Health Science, Univeristy-Cerraphpasa, Turkey		

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Tensiomyographic changes of muscle contractile properties in individuals with lower-limb amputation	2021	journal	Prosthetics and Orthotics International	Hironori Fujishita, Noriaki Maeda, Yukio Urabe, Makoto Komiya, Shogo Sakai, Kouki Fukuhara, Hiroaki Kimura and Nobuo Adachi	Department of Sports Medical Center, Hiroshima University Hospital, Japan Department of Sports Rehabilitation, Graduate School of Biomedical and Health Sciences, Hiroshima University, Japan Department of Rehabilitation Medicine, Hiroshima University Hospital, Hiroshima, Japan Department of Orthopedic Surgery, Graduate School of Biomedical and Health Sciences, Hiroshima University, Hiroshima, Japan		
Objective Assessment of Regional Stiffness in Vastus Lateralis with Different Measurement Methods: A Reliability Study	2021	journal	Sensors	Alfredo Bravo-Sánchez, Pablo Abián, Jorge Sánchez-Infante, Paula Esteban-Gacia, Fernando Jiménez and Javier Abián-Vicén	Faculty of Sport Sciences, University of Castilla-La Mancha, Spain; Faculty of Humanities and Social Sciences, Comillas Pontifical University, Madrid, Spain;		
Use of Tensiomyography in Evaluating Sex-Based Differences in Resistance-Trained Individuals After Plyometric and Isometric Midhigh Pull Postactivation Potentiation Protocols	2021	journal	Journal of Strength and Conditioning Research	Chad H. Herring, Erica R. Goldstein and David H. Fukuda	Institute of Exercise Physiology and Rehabilitation Science, University of Central Florida, Orlando, Florida, USA; School of Kinesiology and Physical Therapy, University of Central Florida, Orlando, Florida, USA;		
Effects of Different Velocity Loss Thresholds on Passive Contractile Properties and Muscle Oxygenation in the Squat Exercise Using Free Weights	2021	journal	Journal of Strength and Conditioning Research	Alejandro Munoz-Lopez, Alberto Marin-Galindo, Juan Corral-Perez, Manuel Costilla, Alberto Sanchez-Sixto, Borja Sanudo, Cristina Casals and Jesus G. Ponce-Gonzalez	Department of Human Motricity and Sports Performance, University of Seville, Spain; Faculty of Education Sciences, University of Cadiz, Spain; Puerta del Mar University Hospital, University of Cadiz, Spain; CEU Cardenal Spinola University, Spain; and Department of Physical Education and Sport, University of Sevilla, Spain		
Acute Mechanical, Neuromuscular, and Metabolic Responses to Different Set Configurations in Resistance Training	2021	journal	Journal of Strength and Conditioning Research	Francisco Piqueras-Sanchiz, Pedro J. Cornejo-Daza, Juan Sanchez-Valdepenas, Beatriz Bachero-Mena, Miguel Sanchez-Moreno, Saul Martin-Rodriguez, Oscar Garcia-Garcia, and Fernando Pareja-Blanco	Physical Performance & Sports Research Center, Pablo de Olavide University, Seville, Spain; Faculty of Sport Sciences, Pablo de Olavide University, Seville, Spain; Department of Physical Education and Sports, University of Seville, Spain; Department of Physical Education, University of the Gran Canarian Palms, Spain; and Faculty of Education and Sport Sciences, University of Vigo, Pontevedra, Spain		
The Reliability of Tensiomyography for Assessment of Muscle Function: A Systematic Review	2021	review	Stars	Stephon Moise, Daniel Hampton	University of Central Florida		
Effects of Foam Rolling Duration on Tissue Stiffness and Perfusion: A Randomized Cross-Over Trial	2021	journal	Journal of Sports Science and Medicine	Jan Schroeder, Jan Wilke and Karsten Hollander	University of Hamburg, Faculty of Psychology and Human Movement Science, Germany; Goethe University Frankfurt, Institute of Occupational, Social and Environmental Medicine, Frankfurt, Germany; MSH Medical School Hamburg, Institute of Interdisciplinary Exercise Science and Sports Medicine, Germany		

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Effects of Knee Injury Length on Jump Inside Kick Performances of Wushu Player	2021	journal	Medicina	Jun-Youl Cha, Ha-Sung Lee, Sihwa Park, and Yong-Seok Jee	Howon University, Gunsan 54058, Korea; Hanseu University, Seosan 31962, Korea;		
Muscle Contractile Properties Measured at Submaximal Electrical Amplitudes and Not at Supramaximal Amplitudes Are Associated with Repeated Sprint Performance and Fatigue Markers	2021	journal	Int. J. Environ. Res. Public Health	Alejandro Muñoz-López, Moisés de Hoyo and Borja Sañudo	Department de Motricidad Humana y Rendimiento Deportivo, University of Seville, Spain Department of Physical Education and Sports, University of Seville, Spain		
Countermovement jump variables not tensiomyography can distinguish between sprint and endurance focused track cyclists	2021	journal	Biology of Sport	Mitchell D. Lewis, Warren B. Young, Luke Knapstein, Andrew Lavender, Scott W. Talpey	School of Science, Psychology and Sport, Federation University Australia, Ballarat, Australia South Australian Sports Institute, South Australia, Australia		
Resistance training induces similar adaptations of upper and lower-body muscles between sexes	2021	journal	Nature scientific reports	Filip Kojić, Danimir Mandić and Vladimir Ilić	Teacher Education Faculty, University of Belgrade, Serbia Faculty of Sport and Physical Education, University of Belgrade, Serbia		
Short-term effects of two different recovery strategies on muscle contractile properties in healthy active men: A randomised cross-over study	2021	journal	Journal of Sports Sciences	Esther Mur-Gimeno, Raquel Sebio-Garcia, Joan Solé, Agustín Lleida & Gerard Moras	University Pompeu Fabra, Mataró, Spain; Research Group in Attention to Chronicity and Innovation in Health (GRACIS),Spain; Hospital Clínic, de Barcelona, Barcelona, Spain; National Institute of Physical Education. Barcelona, Spain; Team Technical Staff, Liga Deportiva Alajuelense, Costa Rica		
The Effects of Ground and Treadmill Running on Energy Metabolism and Muscle Contractile Properties: A Randomized Cross-Over Study	2021	journal	Journal of Science in Sport and Exercise	Yuan Zhou, Jian-gang Chen, Xiao-long Li, Xin-liang Pan, Yi-zheng Zhou, Zheng-ao Li, Zhi-cheng Liang, Jia-min Long, Ming-ze Qin, Jing Zhang, Bing Shi, Bing-jun Wan, Ai-ping Chi, Wen-fei Zhu, Ke Ning, Yu-liang Sun	Shaanxi Normal University, China Beijing Sport University, China		
Asymmetry and changes in the neuromuscular profile of short-track athletes as a result of strength training	2021	journal	PLOS ONE	Paweł Pakosz, Anna Lukanova-Jakubowska, Edyta Łuszczki, Mariusz Gnoiński, Oscar Garcia-Garcia	Faculty of Physical Education and Physiotherapy, Opole University of Technology, Poland Institute of Health Sciences, Medical College of Rzeszow University, Poland, Pain Treatment Centre, Opole, Poland, University of Vigo Pontevedra, Spain		

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Mechanomyographic Measures of Muscle Contractile Properties are Influenced by Electrode Size and Stimulation Pulse Duration	2020	Journal	NATURE Scientific Reports	Francisco Piqueras-Sanchiz, Saúl Martín-Rodríguez, Fernando Pareja-Blanco, Luis Baraja-Vegas, Jorge Blázquez-Fernández, Iker J. Bautista & Óscar García-García	Universidad Pablo de Olavide, Seville, Spain. University of Las Palmas de Gran Canaria, Spain. Catholic University of Valencia, Spain. Universidade de Vigo, Pontevedra, Spain.		
Quantitative assessment of Muscle stiffness using Tensiomyography before and after Injection of Botulinum toxin Type A in Patients after Stroke	2020	Journal	OAT - Physical Medicine and Rehabilitation Research	Yukio Mikami, Kai Ushio, Akihiro Matsumoto, Ken Kouda, Hiroaki Kimura and Nobuo Adachi	Department of Rehabilitation Medicine, Wakayama Medical University, Japan Department of Rehabilitation Medicine, Hiroshima University Hospital, Japan Sports Medical Center, Hiroshima University Hospital, Japan Department of Orthopedic Surgery, Graduate School of Biomedical Sciences, Hiroshima University, Japan		
A Maximal Incremental Test in Cyclists Causes Greater Peripheral Fatigue in Biceps Femoris	2020	Journal	Research Quarterly for Exercise and Sport	Oscar García-García, Alba Cuba-Dorado, Alicia Riveiro-Bozada, Javier Carballo-López, Tania Álvarez-Yates & José López-Chicharro	University of Vigo; FEBIO Group, University Complutense of Madrid;		
Analysis of Contractile Properties in Lower Extremity Muscles of Collegiate Male Soccer Players Using Tensiomyography	2020	Journal	The Korean Journal of Physical Education	Eo, Eun-Shil; GYoon Jin-Hwan; GHwang Boo-Geun;	Woosong Univ. South Korea Hannam Univ. South Korea		
Influence of Altitude and Environmental Temperature on Muscle Functional and Mechanical Activation After 30' Time Trial Run	2020	Journal	MHSalud	Rojas-Valverde, Daniel; Ugalde-Ramírez, Jose Alexis; Sánchez-Ureña, Braulio; Gutiérrez-Vargas, Randall	Universidad Nacional, Costa Rica		
Pain and Function in the Runner a Ten (din) uous Link	2020	Journal	Medicina	Peter Francis, Isobel Thornley, Ashley Jones and Mark I. Johnson	Department of Science and Health, Institute of Technology Carlow, Ireland Musculoskeletal Health Research Group, Leeds Beckett University, UK Centre for Pain for Research, Leeds Beckett University, UK		
Tensiomyography parameters and serum biomarkers after eccentric exercise of the elbow flexors	2020	Journal	European Journal of Applied Physiology	Jan-Frieder Harmsen, Alexander Franz, Constantin Mayer, Christoph Zilkens, Bettina Alexandra Bühren, Holger Schruppf, Rüdiger Krauspe, Michael Behringer	Department of Orthopedics, University Hospital Duesseldorf, Germany Department of Orthopedics, University Hospital Essen, Germany Faculty of Sport Sciences, Goethe University Frankfurt, Germany		
Effects of a Multi-ingredient Beverage on Recovery of Contractile Properties, Performance, and Muscle Soreness After Hard Resistance Training Sessions	2020	Journal	Journal of Strength and Conditioning Research	Javier Sánchez-Sánchez, Jorge	Department of Sport Science and Physical Education, School of Human Sciences, University of Greenwich, London, United Kingdom; Clinical Research Institute, Texas Tech University Health Sciences Center, Lubbock, Texas, USA		
Velocity Loss as a Critical Variable Determining the Adaptations to Strength Training	2020	Journal	American College of Sports Medicine	Fernando Pareja-Blanco; Julián Alcazar; Juan Sánchez-Valdepeñas; Pedro J. Cornejo-Daza; Francisco Piqueras-Sanchiz; Raúl Mora-Vela; Miguel Sánchez-Moreno; Beatriz Bachero-Mena; Manuel Ortega-Becerra; Luis M. Alegre	Physical and Athletic Performance Research Centre, Universidad Pablo de Olavide, Seville, Spain; Faculty of Sport Sciences. Universidad Pablo de Olavide, Seville, Spain; Toledo Research Group, Universidad de Castilla-La Mancha, Toledo, Spain; CIBER of Frailty and Healthy Aging (CIBERFES), Madrid, Spain; Department of Physical Education and Sports, University of Seville, Seville, Spain		

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Tensiomyographical responsiveness to peripheral fatigue in quadriceps femoris	2020	Journal	PeerJ	Rodrigo Martín-San Agustín, Francesc Medina-Mirapeix, José Casaña-Granell, José A. García-Vidal, Carmen Lillo-Navarro and Josep C. Benítez-Martínez	Department of Physiotherapy, University of Valencia, España Department of Physiotherapy, University of Murcia, Spain Department of Pathology and Surgery, University Miguel Hernández, San Joan, Spain		
Using Tensiomyography to Assess Changes in Knee Muscle Contraction Properties After Concentric and Eccentric Fatiguing Muscle Actions	2020	Journal	Journal of Strength and Conditioning Research	Alejandro Munoz-Lopez, Moises De Hoyo, Francisco J. Nunez, and Borja Sanudo	University of Seville, Seville, Spain; Pablo de Olavide University, Seville, Spain		
Muscle-specific changes of lower extremities in the early period after total knee arthroplasty: Insight from tensiomyography	2020	Journal	Journal of Musculoskeletal and Neuronal Interactions	Armin H. Paravlic, Rado Pisot, Bostjan Simunic	Science and Research Centre, Institute for Kinesiology Research, Koper, Slovenia; Faculty of Sport, University of Ljubljana, Slovenia		
Evolution of contractile properties of the lower limb muscles throughout a season in elite futsal players	2020	Journal	J Sports Med Phys Fitness	Francisco Piqueras-Sanchiz, Luis M. Martínez-Aranda, Fernando Pareja-Blanco, David Rodríguez-Ruiz, Óscar García-García	Faculty of Sports Science, Pablo de Olavide University, Seville, Spain Faculty of Sport, Catholic University San Antonio, Murcia (UCAM), Spain Physical Performance & Athletic Research Center, Pablo de Olavide University, Seville, Spain Department of Physical Education, University of Las Palmas, Gran Canaria, Spain Sport Performance, Physical condition and Wellness Lab, University of Vigo, Pontevedra, Spain		
Early clinical and neuromuscular properties in patients with normal or sub-normal subjective knee function after anterior cruciate ligament reconstruction	2020	Journal	Archives of Orthopaedic and Trauma Surgery	Domen Stropnik, Matjaž Sajovic, Alan Kacin, Simona Pavlič-Založnik, Matej Drobnič	General Hospital Celje, Slovenia Faculty of Health Sciences, University of Ljubljana, Ljubljana, Slovenia Terme Zrece Health Resort, Slovenia University Medical Centre Ljubljana, Slovenia Medical Faculty, University of Ljubljana, Ljubljana, Slovenia		
Acute effects of training load on contractile properties during a competitive microcycle in elite soccer players	2020	Journal	Biology of Sport	Ezequiel Rey, Francisco J. Corredoira, Pablo B. Costa, Alexandra Pérez-Ferreirós, María A. Fernández-Villarino	Faculty of Education and Sport Sciences, University of Vigo, Spain Center for Sport Performance, Department of Kinesiology, California State University, USA		
Acute Effects of Tissue Flossing on Ankle Range of Motion and Tensiomyography Parameters	2020	Journal	Journal of Sport Rehabilitation	Matjaž Vogrin, Fiona Novak, Teja Licen, Nina Greiner, Samo Mikl and Miloš Kalc	Faculty of Medicine, Institute of Sports Medicine, University of Maribor, Slovenia		
Crossover effects of ultrasound-guided percutaneous neuromodulation on contralateral hamstring flexibility	2020	Journal	Sage - acupuncture in medicine	Blanca De-la-Cruz-Torres, Carlos Carrasco-Iglesias, Francisco Minaya-Munoz and Carlos Romero-Morales	University of Seville, Spain San Pablo University, Spain Universidad Europea de Madrid, Spain		
Changes in Muscle Contractile Properties after Coldor Warm-Water Immersion Using Tensiomyography: A Cross-Over Randomised Trial	2020	Journal	Sensors	Esther Mur Gimeno, Francesco Campa, Georgian Badicu, Jorge Castizo-Olier, Elisabet Palomera-Fanegas and Raquel Sebio-García	School of Health Sciences, TecnoCampus, Pompeu Fabra University, Mataró, Spain; University of Bologna, Rimini, Italy; University Transilvania of Brasov, Romania; Consorti Sanitari del Maresme, Mataró, Spain; Hospital Clinic de Barcelona, Spain		

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Sex-Based Differences in Tensiomyography as Assessed in the Lower Erector Spinae of Healthy Participants: An Observational Study	2020	Journal	Sage - SPORTS HEALTH	Christine Lohr, Tobias Schmidt, Klaus-Michael Braumann, Rüdiger Reer and Ivan Medina-Porqueres	Institute for Human Movement Science, Faculty for Psychology and Human Movement Science, University of Hamburg, Germany University Medical Center Göttingen, Germany Osteopathie Schule Deutschland (OSD) Hamburg, Germany Faculty of Health Sciences, University of Malaga, Spain Faculty for Psychology and Human Movement Science, University of Hamburg, Germany		
Mechanical and Contractile Properties of Knee Joint Muscles Measured by the Method of Tensiomyography in Differently Trained Men and Women	2020	Journal	Journal of Strength and Conditioning Research	Toskić, Lazar; Dopsaj, Milivoj; Marković, Milan; Toskić, Dragan; Ignjatović, Aleksandar M.	Faculty of Sport and Physical Education, University of Priština-Kosovska Mitrovica, Leposavić, Serbia; Faculty of Sport and Physical Education, University of Belgrade, Belgrade, Serbia; South Ural State University, Institute of Sport, Tourism, and Service, Chelyabinsk, Russia; Faculty of Education, University of Kragujevac, Jagodina, Serbia		
Intermittent Pneumatic Compression and Cold Water Immersion Effects on Physiological and Perceptual Recovery During Multi-Sports International Championship	2020	Journal	Journal of Functional Morphology and Kinesiology	Ismael Martínez-Guardado, Daniel Rojas-Valverde, Randall Gutiérrez-Vargas, Alexis Ugalde Ramírez, Juan Carlos Gutiérrez-Vargas and Braulio Sánchez-Ureña	Faculty of Sports Science, University of Extremadura, Spain; Escuela Ciencias del Movimiento Humano y Calidad de Vida (CIEMHCAVI), Universidad Nacional, Costa Rica;		
Effects of 3D Moving Platform Exercise on Physiological Parameters and Pain in Patients with Chronic Low Back Pain	2020	Journal	Medicina — Open Access Journal	Soochul Kim and Yongseok Jee	Department of Education Major of Physical Education, Graduate School of Education of Hanseo University, Korea; Department of Leisure and Marine Sports, Hanseo University, Korea		
Estimating the Effects of Awareness on Neck-Muscle Loading in Frontal Impacts with EMG and MC Sensors	2020	Journal	Sensors journal	Simon Krasna and Srdan Dordevic	Faculty of Mechanical Engineering, University of Ljubljana, Slovenia TMG-BMC, d.o.o., Slovenia;		
Motor imagery and the muscle system	2020	Journal	International Journal of Psychophysiology	Björn Wieland, Michael Behringer, Karen Zentgraf	Department of Movement Science and Training in Sports, Institute of Sport Sciences, Goethe University Frankfurt, Germany		
Influence of artificial turf temperature on physical performance and muscle contractile properties in football players after a repeated-sprint ability test	2020	Journal	Nature - Scientific Reports	Gabriel Calderón-Pellegrino, Leonor Gallardo, Víctor Paredes-Hernández, Jorge García-Unanue, Jesus Vicente Giménez, Enrique Colino, , Jose Luis Felipe, Javier Sánchez-Sánchez	University of Castilla-La Mancha, Toledo, Spain Universidad Camilo José Cela, Madrid, Spain Universidad Europea de Madrid, Madrid, Spain.		
Functional muscle balance assessment in multiple sclerosis	2020	Journal	Journal of Back and Musculoskeletal Rehabilitation	Marius Cristian Neamtua, Oana Maria Neamtub, Mihai Robert Rusub, Mihnea Ion Marinc and Ligia Rusu	Department of Physiology, University of Medicine and Pharmacy of Craiova, Craiova, Romania Department of Sports Medicine and Kinesiology, University of Craiova, Craiova, Romania Mechanic Department, University of Craiova, Craiova, Romania		
Is Low-Frequency Electrical Stimulation a Tool for Recovery after a Water Rescue? A Cross-Over Study with Lifeguards	2020	Journal	International Journal of Environmental Research and Public Health	Roberto Barcala-Furelos, Alicia González-Represas, Ezequiel Rey, Alicia Martínez-Rodríguez, Anton Kalén, Olga Marques and Luís Rama	Faculty of Education and Sport Sciences, University of Vigo, 36005 Pontevedra, Spain University of Santiago de Compostela, Spain Faculty of Physiotherapy, University of Vigo, Spain Universidade da Coruña, Spain Faculty of Sports Sciences and Physical Education, University of Coimbra, Portugal Research Unit for Sport and Physical Activity (CIDAF), Coimbra, Portugal		

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Theory and usage of tensiomyography and the analysis method for the patient with low back pain	2020	review article	Journal of Exercise Rehabilitation	Sihwa Park	Department of Sports and Leisure Studies, Korea University, Sejong, Korea Research Institute of Sports and Industry Science, Hanseo University, Seosan, Korea		
Descriptive model of mechanical characteristics of leg muscle in elite karate athletes measured by TMG method	2020	Journal	Serb J Sports Sci	Velimir Jeknić, Lazar Toskić and Nenad Koropanovski	Serbian Institute of Sport and Sports Medicine, Belgrade, SERBIA. Faculty of Sport and Physical Education, University of Priština – Kosovska Mitrovica, SERBIA. University of Criminal Investigation and Police Studies, Belgrade, SERBIA.		
The Relationship between Anaerobic Power and Contractile Properties of the Lower Extremity Skeletal Muscles during Maximal Cycling Exercise	2020	Journal	The Korean Journal of Physical Education	Yungon Lee, Sunghoon Shin	Yeungnam University		
Detection of neuromechanical acute fatigue-related responses during a duathlon simulation: Is tensiomyography sensitive enough?	2020	Journal	J Sports Engineering and Technology	Daniel Rojas-Valverde, Braulio Sanchez-Urena, Carlos D Gomez-Carmona, Alexis Ugalde-Ramirez, Andres Trejos-Montoya, Jose Pino-Ortega and Randall Gutierrez-Vargas	Universidad Nacional, Heredia, Costa Rica Universidad de Extremadura, Spain Universidad de Murcia, San Javier, Murcia, Spain		
Comparison of Traditional and Rest-Redistribution Sets on Indirect Markers of Muscle Damage Following Eccentric Exercise	2020	Journal	Journal of Strength and Conditioning Research	Justin J. Merrigan, Margaret T. Jones, Jan Malecek, Jan Padecky, Dan Omcirk, Nan Xu, Luis Penailillo, and James J. Tufano	Faculty of Physical Education and Sport, Charles University in Prague, Prague, Czech Republic; George Mason University, Manassas, Virginia, USA; Beijing Sports University, Beijing, China; Faculty of Medicine, Universidad Finis Terrae, Santiago, Chile		
Ingesting a Post-Workout Vegan-Protein Multi-Ingredient Expedites Recovery after Resistance Training in Trained Young Males	2020	Journal	Journal of Dietary Supplements	Fernando Naclerio, Marcos Seijo, Conrad P. Earnest, Joel Puente-Fernández, Eneko Larumbe-Zabala	University of Greenwich, United Kingdom; Texas A&M University, TX, USA; European University of Madrid, Madrid, Spain		
Effect of Three Half-Squat Protocols on the Tensiomyographic Twitch Response and Tissue Damage of the Rectus Femoris and the Biceps Femoris	2020	Journal	Journal of Human Kinetics	César Berzosa, Fernando Sanz-López, Oliver Gonzalo-Skok, Carlos Valero-Campo, José Luis Arjol-Serrano, Eduardo Piedrafito, Guillermo Aladrén, A. Vanessa Bataller-Cervero	Universidad San Jorge. Villanueva de Gállego, Zaragoza. Spain.		
Lateral and antagonistic asymmetries of lumbo-pelvic-hip complex stabilizing muscles in young Polish women in Tensiomyography imaging	2020	Journal	Acta Kinesiologica	Fryc Dobrochna, Bibrowicz Karol, Lipowicz Anna	Silesian University of Technology, Zabrze, Poland Wrocław University of Environmental and Life Sciences, Wrocław, Poland College of Education and Therapy, Poznań, Poland		
Acute Effects of Tissue Flossing Around the Upper Thigh on Neuromuscular Performance: A Study Using Different Degrees of Wrapping Pressure	2020	Journal	Journal of Sport Rehabilitation	Matjaž Vogrin, Miloš Kalc and Teja Ličen	Institute of Sports Medicine, University of Maribor, Slovenia		

TITLE	YEAR	TYPE	PUBLICATION	AUTHOR(S)	INSTITUTION	NCBI LINK	OTHER LINK
Concurrent and predictive validity of isokinetic dynamometry and tensiomyography in differently trained women and men	2019	Journal	Isokinetics and Exercise Science	Lazar Toskic, Milivoj Dopsaj, Veroljub Stankovic, Milan Markovica	Faculty of Sport and Physical Education, University of Belgrade, Belgrade, Serbia Faculty of Sport and Physical Education, University of Priština, Leposavic, Serbia South Ural State University, Chelyabinsk, Russia	-	-
Tensiomyography parameters and serum biomarkers after eccentric exercise of the elbow flexors	2019	Journal	European Journal of Applied Physiology	Jan-Frieder Harmsen1 · Alexander Franz1 · Constantin Mayer2 · Christoph Zilkens1 · Bettina Alexandra Buhren1 · Holger Schruppf1 · Rüdiger Krauspe1 · Michael Behringer3	1 Department of Orthopedics, University Hospital Duesseldorf, Moorenstrasse 5, 40225 Duesseldorf, Germany 2 Department of Orthopedics, University Hospital Essen, Essen, Germany 3 Faculty of Sport Sciences, Goethe University Frankfurt, Frankfurt, Germany		
Effect of a Repeated Sprint Ability test on the muscle contractile properties in elite futsal players	2019	Journal	Nature	Javier Sánchez-Sánchez, David Bishop, Jorge García-Unanue, Esther Ubago-Guisado, Enrique Hernando, Jorge López-Fernández, Enrique Colino & Leonor Gallardo	School of Sport Sciences, Universidad Europea de Madrid, Villaviciosa de Odón, (Madrid), Spain. Institute of Sport, Exercise and Active Living (ISEAL), Victoria University, Melbourne, Australia. School of Medical & Health Science, Edith Cowan University, Joondalup, Australia. IGOID Research Group, University of Castilla-La Mancha, Toledo, Spain.		
Effects of 8-week electrical muscle stimulation on the muscle contractile properties in adolescent girls	2019	Journal	Annales Kinesiologiae	Sara Pregelj, Boštjan Šimunič	University of Primorska, Koper, Slovenia Science and Research Centre Koper, Institute for Kinesiology Research, Slovenia		
Plyometric exercise improves jumping performance and skeletal muscle contractile properties in seniors	2019	Journal	Journal of Musculoskeletal and Neuronal Interactions	Damir Zubac, Armin Paravlić, Katja Koren, Urzi Felicita, Boštjan Šimunič	University of Split, Faculty of Kinesiology, Croatia; Science and Research Center Koper, Institute for Kinesiology Research, Slovenia; University of Primorska, Faculty of Mathematics, Natural Sciences and Information Technologies, Slovenia		
Test-retest reliability of elbow flexor contraction characteristics with tensiomyography for different elbow joint angles	2019	Journal	Journal of Electromyography and Kinesiology	Christopher Latella, Cassio V. Ruas, Ricardo N.O. Mesquita, Kazunori Nosaka, Janet L. Taylor	School of Medical and Health Sciences, Edith Cowan University, Joondalup, Australia Neuroscience Research Australia, Randwick, Australia		
Effects of moderate vs. high iso-inertial loads on power, velocity, work and hamstring contractile function after flywheel resistance exercise	2019	Journal	Plos One	Francisco Piqueras-Sanchiz, Saul Martín-Rodríguez, Luis Manuel Martínez-Aranda, Thiago Ribeiro Lopes, Javier Raya-González, Oscar García-García, Fabio Yuzo Nakamura	1 Faculty of Health Sciences, Universidad de Valencia, Valencia, Spain, 2 Research Institute of Biomedical and Health Sciences (IUIBS), University of Las Palmas de Gran Canaria, Las Palmas de Gran Canaria, Spain, 3 Neuroscience of Human Movement Research Group, Faculty of Sport, Catholic University San Antonio, Murcia (UCAM), Spain, 4 Olympic Centre of Training and Research, São Paulo, SP, Brazil, 5 São Paulo Association for Medicine Development, São Paulo, SP, Brazil, 6 Faculty of Health Sciences, Isabel I University, Burgos, Spain, 7 Lab of Performance, Fitness and Wellness, University of Vigo, Pontevedra, Spain, 8 The College of Healthcare Sciences, James Cook University, Townsville, Australia, 9 Department of Medicine and Aging Sciences, University of Chieti, Pescara, Italy		
Repeated Sprint Ability and Muscular Responses According to the Age Category in Elite Youth Soccer Players	2019	Journal	Frontiers in Physiology	Javier Sánchez-Sánchez, Jorge García-Unanue, Enrique Hernando, Jorge López-Fernández, Enrique Colino, Manuel León-Jiménez and Leonor Gallardo	School of Sport Sciences, Universidad Europea de Madrid, Villaviciosa de Odón, Spain IGOID Research Group, University of Castilla-La Mancha, Toledo, Spain Centre for Innovative Research Across the Life Course (CIRAL), Coventry University, West Midlands, United Kingdom		

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Concurrent and predictive validity of isokinetic dynamometry and tensiomyography in differently trained women and men	2019	Journal	Isokinetics and Exercise Science	Lazar Toskic, Milivoj Dopsaj, Veroljub Stankovic, Milan Markovica	Faculty of Sport and Physical Education, University of Belgrade, Belgrade, Serbia Faculty of Sport and Physical Education, University of Priština, Leposavic, Serbia South Ural State University, Chelyabinsk, Russia	-	-
Tensiomyography parameters and serum biomarkers after eccentric exercise of the elbow flexors	2019	Journal	European Journal of Applied Physiology	Jan-Frieder Harmsen1 · Alexander Franz1 · Constantin Mayer2 · Christoph Zilkens1 · Bettina Alexandra Buhren1 · Holger Schruppf1 · Rüdiger Krauspe1 · Michael Behringer3	1 Department of Orthopedics, University Hospital Duesseldorf, Moorenstrasse 5, 40225 Duesseldorf, Germany 2 Department of Orthopedics, University Hospital Essen, Essen, Germany 3 Faculty of Sport Sciences, Goethe University Frankfurt, Frankfurt, Germany		
Effect of a Repeated Sprint Ability test on the muscle contractile properties in elite futsal players	2019	Journal	Nature	Javier Sánchez-Sánchez, David Bishop, Jorge García-Unanue, Esther Ubago-Guisado, Enrique Hernando, Jorge López-Fernández, Enrique Colino & Leonor Gallardo	School of Sport Sciences, Universidad Europea de Madrid, Villaviciosa de Odón, (Madrid), Spain. Institute of Sport, Exercise and Active Living (ISEAL), Victoria University, Melbourne, Australia. School of Medical & Health Science, Edith Cowan University, Joondalup, Australia. IGOID Research Group, University of Castilla-La Mancha, Toledo, Spain.		
Effects of 8-week electrical muscle stimulation on the muscle contractile properties in adolescent girls	2019	Journal	Annales Kinesiologiae	Sara Pregelj, Boštjan Šimunič	University of Primorska, Koper, Slovenia Science and Research Centre Koper, Institute for Kinesiology Research, Slovenia		
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Effects of moderate vs. high iso-inertial loads on power, velocity, work and hamstring contractile function after flywheel resistance exercise	2019	Journal	Plos One	Francisco Piqueras-Sanchiz, Saul Martín-Rodríguez, Luis Manuel Martínez-Aranda, Thiago Ribeiro Lopes, Javier Raya-González, Oscar García-García, Fabio Yuzo Nakamura	1 Faculty of Health Sciences, Universidad de Valencia, Valencia, Spain, 2 Research Institute of Biomedical and Health Sciences (IUIBS), University of Las Palmas de Gran Canaria, Las Palmas de Gran Canaria, Spain, 3 Neuroscience of Human Movement Research Group, Faculty of Sport, Catholic University San Antonio, Murcia (UCAM), Spain, 4 Olympic Centre of Training and Research, São Paulo, SP, Brazil, 5 São Paulo Association for Medicine Development, São Paulo, SP, Brazil, 6 Faculty of Health Sciences, Isabel I University, Burgos, Spain, 7 Lab of Performance, Fitness and Wellness, University of Vigo, Pontevedra, Spain, 8 The College of Healthcare Sciences, James Cook University, Townsville, Australia, 9 Department of Medicine and Aging Sciences, University of Chieti, Pescara, Italy		
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Is Tensiomyography-Derived Velocity of Contraction a Sensitive Marker to Detect Acute Performance Changes in Elite Team-Sport Athletes?	2019	Journal	International Journal of Sports Physiology and Performance	Lucas A. Pereira, Rodrigo Ramirez-Campillo, Saul Martín-Rodríguez, Ronaldo Kobal, César C. C. Abad, Ademir F. S. Arruda, Aristide Guerriero, and Irineu Loturco	NAR – Nucleus of High Performance in Sport, São Paulo, Brazil; Laboratory of Human Performance. Quality of Life and Wellness Research Group. Department of Physical Activity Sciences. Universidad de Los Lagos. Osorno, Chile; Canarian Physical Education Licenciates College (COLEF), Las Palmas de Gran Canaria, Gran Canaria, Spain; Brazilian Rugby Confederation, São Paulo, SP, Brazil; University of Rome Foro Italico, Rome, Italy.	–	–
Clinical utility of tensiomyography for muscle function analysis in athletes	2019	Journal	Open Access Journal of Sports Medicine	Oscar García-García, Alba Cuba-Dorado, Tania Álvarez-Yates, Javier Carballo-López, Mario Iglesias-Caamaño	Laboratory of Sports Performance, Physical Condition and Wellness, Faculty of Education and Sport Sciences, University of Vigo, Pontevedra, Spain		
Sex Differences in the Velocity of Muscle Contraction of the Hamstring and Quadriceps Among Recreationally Active Young Adults	2019	Journal	Journal of Strength and Conditioning Research	Rodrigo Martín-San Agustín, Francesc Medina-Mirapeix, Yasser Alakhdar, and Josep C. Benitez Martinez	Department of Physical Therapy, University of Valencia, Valencia, Spain; Department of Physical Therapy, University of Murcia, Murcia, Spain		
The effect of inter-electrode distance on radial muscle displacement and contraction time of the biceps femoris, gastrocnemius medialis and biceps brachii, using Tensiomyography in healthy participants.	2019	Journal	Physiological Measurement	Hannah V. Wilson, Ashley Jones, Mark I. Johnson, Peter Francis	Musculoskeletal Health Research Group, School of Clinical and Applied Science, Leeds Beckett University, Leeds, England, U.K. Centre for Pain Research, School of Clinical and Applied Science, Leeds Beckett University, Leeds, England, U.K.		
Diagnostic accuracy, validity, and reliability of Tensiomyography to assess muscle function and exercise-induced fatigue in healthy participants. A systematic review with meta-analysis	2019	Journal	Journal of Electromyography and Kinesiology	C. Lohra, T. Schmidta, I. Medina-Porquerese, K.-M. Brauman-na, R. Reera, J. Porthunf	Department of Sports Medicine, Faculty for Psychology and Human Movement Science, Institute for Human Movement Science, University of Hamburg, Hamburg, Germany Osteopathie Schule Deutschland (OSD), Hamburg, Germany Osteopathic Research Institute (ORI), Hamburg, Germany Department of General Practice, University Medical Center, Göttingen, Germany Department of Physical Therapy, Faculty of Health Sciences, University of Malaga, Malaga, Spain Department of Health Sciences, Faculty of Medicine and Health Sciences, Norwegian University of Science and Technology, Gjøvik, Norway		
Two-dimensional spatial error distribution of key Tensiomyographic parameters	2019	Journal	Journal of Biomechanics	Boštjan Šimunič	Science and Research Centre Koper, Koper, Slovenia		
The Effects of Foam Rolling as a Recovery Tool in Professional Soccer Players	2019	Journal	Journal of Strength and Conditioning Research	Ezequiel Rey, Alexis Padrón-Cabo, Pablo B. Costa, and Roberto BarcalaFurelos	Faculty of Education and Sport Sciences, University of Vigo, Pontevedra, Spain Human Performance Laboratory, Center for Sport Performance, Department of Kinesiology, California State University, Fullerton, CA		
Acute Effect of Eccentric Overload Exercises on Change of Direction Performance and Lower-Limb Muscle Contractile Function	2019	Journal	Journal of Strength and Conditioning Research	Marco Beato, Marc Madruga-Parera, Francisco Piqueras-Sanchiz, Victor Moreno-Perez and Daniel Romero-Rodríguez	School of Health and Sports Science, University of Suffolk, Ipswich, United Kingdom; EUSES Health and Sport Sciences School, University of Girona, Spain; Faculty of Sport Sciences, Pablo de Olavide University, Seville, Spain; Sports Research Center, Miguel Hernandez University of Elche, Alicante, Spain		

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Traditional sets vs rest-redistribution: a laboratory-controlled study of a specific cluster setconfiguration at fast and slow velocities	2019	Journal	Appl. Physiol. Nutr. Metab.	James J. Tufano, Dan Omcirik, Jan Malecek, Anna Pisz, Matej Halaj, Brendan R. Scott	Faculty of Physical Education and Sport, Charles University in Prague Faculty of Physical Education and Sport, Comenius University in Bratislava College of Science, Health, Engineering and Education, Murdoch University	-	-
Evaluation of Calf Muscular Function During the Recovery Phase After the Repair of an Achilles Tendon Rupture	2019	Journal	Frontiers in Surgery	Jung-Hoon Chai and Sang-Won Bae	Department of Sports Medicine, Soonchunhyang University, Asan, South Korea, Department of Orthopedic Surgery, Sunsoochon Hospital, Seoul, South Korea		
Contractile properties of superficial skeletal muscle affect postural control in healthy young adults: A test of the rambling and trembling hypothesis	2019	Journal	Plos One	Sunghoon Shin, Matija Milosevic, Chul-min Chung, Yungon Lee	School of Kinesiology, Yeungnam University, Gyeongsan, Republic of Korea, Graduate School of Engineering Science, Osaka University, Toyonaka, Japan		
Peripheral fatigue: new mechanistic insights from recent technologies	2019	Journal	European Journal of Applied Physiology	Emiliano Cè, Stefano Longo, Eloisa Limonta, Giuseppe Coratella, Susanna Rampichini, Fabio Esposito	Department of Biomedical Sciences for Health (SCIBIS),Università degli Studi di Milano, Italy IRCCS Istituto Ortopedico Galeazzi, 20161 Milan, Italy		
Neuromuscular characteristics of the biceps femoris muscle in the top serbian soccer players measured by the Tensiomyography method: A quantitative model	2019	Journal	Physical Education and Sport	Miloslav Fabok, Bojan Leontjević, Lazar Tomić, Milivoj Dopsaj	Diagnostic - Training Center "Advance Fitness", Belgrade, Serbia Faculty of Sport and Physical Education, University of Belgrade, Serbia Institute of Sport, Tourism and Service, South Ural State University, Chelyabinsk, Russia		
Tensiomyography detects early hallmarks of bed-rest-induced atrophy before changes in muscle architecture	2019	Journal	J Appl Physiol	Boštjan Simunic, Katja Koren, Jörn Rittweger, Stefano Lazzer, Carlo Reggiani, Enrico Rejc, Rado Pisot, Marco Narici, and Hans Degens	University of Primorska, Slovenia; Science and Research Centre Koper, Institute for Kinesiology Research,Slovenia; Institute of Aerospace Medicine, German Aerospace Center, Cologne, Germany; Department of Pediatrics and Adolescent Medicine, University of Cologne, Germany; Department of Medicine, University of Udine, Italy; School of Sport Sciences, University of Udine, Italy; Department of Biomedical Sciences, University of Padova, Italy; Kentucky Spinal Cord Injury Research Center, University of Louisville, Kentucky, USA; School of Healthcare Science, Manchester Metropolitan University, United Kingdom; Institute of Sport Science and Innovations, Lithuanian Sports University, Lithuania; University of Medicine and Pharmacy of Targu Mures, Targu Mures, Romania		

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Traditional sets vs rest-redistribution: a laboratory-controlled study of a specific cluster setconfiguration at fast and slow velocities	2019	Journal	Appl. Physiol. Nutr. Metab.	James J. Tufano, Dan Omcirik, Jan Malecek, Anna Pisz, Matej Halaj, Brendan R. Scott	Faculty of Physical Education and Sport, Charles University in Prague Faculty of Physical Education and Sport, Comenius University in Bratislava College of Science, Health, Engineering and Education, Murdoch University	-	-
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Peripheral fatigue: new mechanistic insights from recent technologies	2019	Journal	European Journal of Applied Physiology	Emiliano Cè, Stefano Longo, Eloisa Limonta, Giuseppe Coratella, Susanna Rampichini, Fabio Esposito	Department of Biomedical Sciences for Health (SCIBIS),Università degli Studi di Milano, Italy IRCCS Istituto Ortopedico Galeazzi, 20161 Milan, Italy		
Neuromuscular characteristics of the biceps femoris muscle in the top serbian soccer players measured by the Tensiomyography method: A quantitative model	2019	Journal	Physical Education and Sport	Miloslav Fabok, Bojan Leontjević, Lazar Tomić, Milivoj Dopsaj	Diagnostic - Training Center "Advance Fitness", Belgrade, Serbia Faculty of Sport and Physical Education, University of Belgrade, Serbia Institute of Sport, Tourism and Service, South Ural State University, Chelyabinsk, Russia		
Tensiomyography detects early hallmarks of bed-rest-induced atrophy before changes in muscle architecture	2019	Journal	J Appl Physiol	Boštjan Simunic, Katja Koren, Jörn Rittweger, Stefano Lazzer, Carlo Reggiani, Enrico Rejc, Rado Pisot, Marco Narici, and Hans Degens	University of Primorska, Slovenia; Science and Research Centre Koper, Institute for Kinesiology Research,Slovenia; Institute of Aerospace Medicine, German Aerospace Center, Cologne, Germany; Department of Pediatrics and Adolescent Medicine, University of Cologne, Germany; Department of Medicine, University of Udine, Italy; School of Sport Sciences, University of Udine, Italy; Department of Biomedical Sciences, University of Padova, Italy; Kentucky Spinal Cord Injury Research Center, University of Louisville, Kentucky, USA; School of Healthcare Science, Manchester Metropolitan University, United Kingdom; Institute of Sport Science and Innovations, Lithuanian Sports University, Lithuania; University of Medicine and Pharmacy of Targu Mures, Targu Mures, Romania		

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Relationship between skeletal muscle contractile properties and power production capacity in female Olympic rugby players	2018	Journal	European Journal of Sport Science	Pedro L. Valenzuela, Zigor Montalvo, G. Sánchez-Martínez, Elaia Torrontegi, J. De La Calle-Herrero, R. Domínguez-castells, Nicola A. Maffuletti & Pedro DeLa Villa	Physiology Unit, Systems Biology Department, University of Alcalá, Madrid, Spain; Performance Analysis Unit, Department of Sport and Health, Spanish Agency for Health Protection in Sport (AEPSAD), Madrid, Spain Human Performance Lab, Schulthess Clinic, Zurich, Switzerland	-	-
Application of tensiomyography to assess the muscle response in the lower limbs of acrobatic gymnasts	2018	Journal	European Journal of Human Movement	Mercedes Vernetta-Santana; Nicolás Rojas; Isabel Montosa; Jesús López-Bedoya	Physical Education and Sports Department. Faculty of Sport Sciences. University of Granada, Spain	-	-
Reliability of tensiomyography and myotonometry in detecting mechanical and contractile characteristics of the lumbar erector spinae in healthy volunteers	2018	Journal	European Journal of Applied Physiology	Christine Lohr 1,2 · Klaus-Michael Braumann 3 Ruediger Reer 3 Jan Schroeder 3 Tobias Schmidt 2,3,4	1 Osteopathic Praxis, Eppendorfer Landstraße 42, 20249 Hamburg, Germany 2 Osteopathie Schule Deutschland (OSD), Mexikoring 19, 22297 Hamburg, Germany 3 Department of Sports Medicine, Faculty for Psychology and Human Movement Science, Institute for Human Movement Science, University of Hamburg, Turmweg 2, 20148 Hamburg, Germany 4 Osteopathic Research Institute (ORI), Mexikoring 19, 22297 Hamburg, Germany	-	-
The Effect of Foam Rolling for Three Consecutive Days on Muscular Efficiency and Range of Motion	2018	Journal	Sports Medicine	Lewis J. Macgregor1* , Malcolm M. Fairweather2, Ryan M. Bennett1 and Angus M. Hunter1	1 Faculty of Health Sciences and Sport, University of Stirling, Stirling, UK. 2 SportScotland: Scottish Institute of Sport, Stirling, UK.	-	-
Reliability of the twitch evoked skeletal muscle electromechanical efficiency A ratio between tensiomyogram and M wave amplitudes	2018	Journal	Journal of Electromyography and Kinesiology	Armin Paravlič, Damir Zubac, Boštjan Šimunič	Science and Research Center Koper, Institute for Kinesiology Research, Koper, Slovenia	-	-
Intrasession Reliability of the Tests to Determine Lateral Asymmetry and Performance in Volleyball Players	2018	Journal	Symmetry	Mario Iglesias-Caamaño , Javier Carballo-López, Tania Álvarez-Yates, Alba Cuba-Dorado and Oscar García-García	Laboratory of Sports Performance, Physical Condition and Wellness, University of Vigo	-	-
Acute muscle fatigue and CPR quality assisted by visual feedback devices: A randomized-crossover simulation trial	2018	Journal	PLOS ONE	Cristian Abelairas-Gomez, Ezequiel Rey, Violeta Gonzalez-Salvado, Marcos Mecías-Calvo, Emilio Rodríguez-Ruiz, Antonio Rodríguez-Nuñez	CLINURSID Research Group, University of Santiago de Compostela, Santiago de Compostela, Spain	-	-

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Age-related slowing of contractile properties differs between power-, endurance- and non-athletes; a tensiomyographic assessment	2018	Journal	The Journals of Gerontology	Boštjan Šimunič, PhD Rado Pišot, PhD Jörn Rittweger, PhD, MD Hans Degens, PhD	1 Science and Research Centre Koper, Institute for Kinesiology Research, Koper, Garibaldijeva 1, SI- 6000 Koper, Slovenia; 2 Institute of Aerospace Medicine, German Aerospace Center, Linder Hoehe, D-51147 Cologne, Germany; 3 Department of Pediatrics and Adolescent Medicine, University of Cologne, Cologne, Germany; 4 School of Healthcare Science, Manchester Metropolitan University, Manchester, UK; 5 Institute of Sport Science and Innovations, Lithuanian Sports University, Kaunas, Lithuania	–	–
Repeated stimulation, inter-stimulus interval and inter-electrode distance alters muscle contractile properties as measured by Tensiomyography	2018	Journal	PLOS ONE	Hannah V. Wilson ^{1,2} , Mark I. Johnson ² , Peter Francis ¹	1 Musculoskeletal Health Research Group, School of Clinical and Applied Science, Leeds Beckett University, Leeds, England, United Kingdom, 2 Centre for Pain Research, School of Clinical and Applied Science, Leeds Beckett University, Leeds, England, United Kingdom	–	–
Functional Screening Tests: Interrelationships and Ability to Predict Vertical Jump Performance	2017	Journal	Training & Testing	Irineu Loturco; Moises Cohen	NAR - Nucleus of High Performance in Sport, Sport science, Sao Paulo, Brazil; Universidade Federal de Sao Paulo, Escola Paulista de Medicina, Department of Orthopedics and Traumatology, Sao Paulo, Brazil	NCBI	–
Analysis of Lower Extremity Contraction According to Gender Using Tensiomyography	2017	Journal	Korean J Sports Med.	Bo-Kyeong Kim 1,* Jung-Hun Chai 2, * Chan Kim 3 Chul-Hyun Kim 2 and Sang-Won Bae 4	1 Department of Sport and Leisure Studies, Korea University, Sejong, Korea. 2 Department of Sports Medicine, Soonchunhyang University, Asan, Korea. 3 Department of Physiology and Biophysics, Eulji University School of Medicine, Daejeon, Korea. 4 Global Teun Teun Hospital, Daejeon, Korea.	NCBI	–
Reliability and measurement error of tensiomyography to assess mechanical muscle function: a systematic review	2017	Journal	Journal of Strength and Conditioning Research	Saul Martin-Rodríguez, 1 Irineu Loturco, 2 Angus M. Hunter, 3 David Rodríguez-Ruiz, 4 And Diego Munguia-Izquierdo 5	1 Official College of Graduates in Physical Education of the Canary Islands (COLEF), Las Palmas de Gran Canaria, Gran Canaria, Spain; 2 NAR—Nucleus of High Performance in Sport, Saˆo Paulo, Brazil; 3 Health and Exercise Sciences Research Group, University of Stirling, Stirling, United Kingdom; 4 Department of Physical Education, University of Las Palmas de Gran Canaria, Gran Canaria, Spain; and 5 Department of Sports and Computer Science, Section of Physical Education and Sports, Universidad Pablo de Olavide, Seville, Spain	NCBI	–

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Tensiomyographic Assessment of Muscle Contractile Properties in 9 to 14 Year Old Children	2017	Journal	Int J Sports Med.	Simunic B 1, Degens H 2, Završnik J 3, Koren K 1, Volmut T 4, Pisot R 1.	"1 Science and Research Centre Koper, Institute for Kinesiology Research, Koper, Slovenia. 2 Manchester Metropolitan University, Institute for Biophysical and Clinical Research into Human Movement, Alsager, United Kingdom of Great Britain and Northern Ireland. 3 Pediatrics Department, Dr. Adolf Drovc Healthcare Center, Maribor, Slovenia. 4 Faculty of Education, University of Primorska, Koper, Slovenia."	NCBI	
Mechanomyography and Torque during FES-Evoked Muscle Contractions to Fatigue in Individuals with Spinal Cord Injury	2017	Journal	Sensors	Mohamad NZ 1, Hamzaid NA 1, Davis GM 1,2, Abdul Wahab AK 3, Hasnan N 4.	"1 Department of Biomedical Engineering, Faculty of Engineering, University of Malaya, Kuala Lumpur 50603, Malaysia. 2 Clinical Exercise and Rehabilitation Unit, Discipline of Exercise and Sports Sciences, Faculty of Health Sciences, University of Sydney, Lidcombe, NSW 2141, Australia. 3 Department of Biomedical Engineering, Faculty of Engineering, University of Malaya, Kuala Lumpur 50603, Malaysia. 4 Department of Rehabilitation Medicine, Faculty of Medicine, University of Malaya, Kuala Lumpur 50603, Malaysia. "	NCBI	
Is tensiomyography a useful assessment tool in sports medicine?	2017	letter to editor	Knee Surg Sports Traumatol Arthrosc.	Martín-Rodríguez S 1, Alentorn-Geli E 2,3,4, Tous-Fajardo J 5, Samuelsson K 6,7, Marín M 8, Álvarez-Díaz P 2,3,4,9, Cugat R 10,11,12.	"1 Colegio Oficial de Licenciados en Educación Física de Canarias (COLEF), Las Palmas de Gran Canaria, Gran Canaria, Spain. 2 Fundación García Cugat, Plaza Alfonso Comín 5, Planta -1, 08023, Barcelona, Spain. 3 Artroscopia GC, S.L., Hospital Quirón, Barcelona, Spain. 4 Mutuallidat Catalana de Futbolistas - Federació Espanyola de Futbol, Barcelona, Spain. 5 Department of Strength and Conditioning, Chelsea FC, Cobham, England, UK. 6 Department of Orthopedics, Sahlgrenska University Hospital, Mölndal, Sweden. 7 Department of Orthopedics, Institute of Clinical Sciences, The Sahlgrenska Academy, University of Gothenburg, Gothenburg, Sweden. 8 Department of Physical Medicine and Rehabilitation, Hospital Quirón, Barcelona, Spain. 9 Universitat Internacional de Catalunya, Barcelona, Spain. 10 Fundación García Cugat, Plaza Alfonso Comín 5, Planta -1, 08023, Barcelona, Spain. ramon.cugat@sportrauma.com. 11 Artroscopia GC, S.L., Hospital Quirón, Barcelona, Spain. ramon.cugat@sportrauma.com. 12 Mutuallidat Catalana de Futbolistas - Federació Espanyola de Futbol, Barcelona, Spain. ramon.cugat@sportrauma.com."	NCBI	
Muscle contractile properties on different sport surfaces using tensiomyography	2017	Journal	Journal Of Human Sport & Exercise	ESTHER UBAGO-GUISADO 1, SERGIO RODRÍGUEZ-CAÑAMERO 1, JORGE LÓPEZ-FERNÁNDEZ 1, ENRIQUE COLINO 1, JAVIER SÁNCHEZ-SÁNCHEZ 1,2, LEONOR GALLARDO 1	"1 IGOID Research Group, University of Castilla-La Mancha, Toledo, Spain 2 European University, School of Sport Sciences, Madrid, Spain"		
Comparative Study of the Acute Effects of Two Ways of Myofascia Release on Biceps Femoris and Semitendinosus Muscles After a Romanian Deadlift Exercise	2017	Journal	International Physical Medicine & Rehabilitation Journal	"Suarez Rodriguez Vidina , Rodriguez Ruiz David "	Department of Physical Education, University of Las Palmas de Gran Canaria, Spain		

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Gluteus maximus contraction velocity assessed by tensiomyography improves following arthroscopic treatment of femoroacetabular impingement	2017	Journal	Knee Surg Sports Traumatol Arthrosc.	Seijas R 1,2,3, Marín M 4,5, Rivera E 4,5, Alentorn-Geli E 4,5,6, Barastegui D 4,5,6, Álvarez-Díaz P 4,5,7,6, Cugat R 4,5,6.	"1 Fundación García Cugat, Barcelona, Spain. roberto6jas@gmail.com. 2 Artroscopia GC, Hospital Quirón, Plaza Alfonso Comín 5-7 Planta -1, 08023, Barcelona, Spain. roberto6jas@gmail.com. 3 Universtitat Internacional de Catalunya, Sant Cugat del Vallès, Spain. roberto6jas@gmail.com. 4 Fundación García Cugat, Barcelona, Spain. 5 Artroscopia GC, Hospital Quirón, Plaza Alfonso Comín 5-7 Planta -1, 08023, Barcelona, Spain. 6 Mutualitat Catalana de Futbolistes, Federación Española de Fútbol, Barcelona, Spain. 7 Universtitat Internacional de Catalunya, Sant Cugat del Vallès, Spain."	NCBI	-
A Novel Approach to Measuring Muscle Mechanics in Vehicle Collision Conditions	2017	Journal	Sensors	Simon Krašna,1,* Srđan Đorđević,2 Marija Hribernik,3 and Ana Trajkovski,1	"1 Faculty of Mechanical Engineering, University of Ljubljana, Aškerčeva cesta 6, 1000 Ljubljana, Slovenia. 2 TMG-BMC d.o.o., Štihova ulica 24, 1000 Ljubljana, Slovenia. 3 Faculty of Medicine, University of Ljubljana, Korytkova ulica 2, 1000 Ljubljana, Slovenia."	NCBI	-
TMG as a prevention method of athletes muscles, ligaments and joints injuries	2017	Journal	" Polish J Sport Med"	Paweł Pakosz 1, Anna Jakubowska-Lukanova 1, Mariusz Gnoiński 2	"1 Faculty of Physical Education and Physiotherapy, Opole University of Technology, Opole, Poland 2 Pain Management Center, Opole, Poland"	-	-
Biomechanical characteristics of skeletal muscles and associations between running speed and contraction time in 8- to 13-year-old children	2017	Journal	J Int Med Res.	Završnik J 1, Pišot R 2, Šimunič B 2, Kokol P 3, Blažun Vošner H 4.	"1 Dr. Adolf Drolc Healthcare Center, Maribor, Slovenia. 2 Institute for Kinesiology Research, University of Primorska, Science and Research Centre of Koper, Slovenia. 3 Faculty of Electrical Engineering and Computer Science, University of Maribor, Slovenia. 4 Faculty of Health Sciences, Center for International Cooperation, University of Maribor, Slovenia."	NCBI	-
Tensiomyography, sonoelastography, and mechanosensitivity differences between active, latent, and control low back myofascial trigger points: A cross-sectional study.	2017	Journal	Medicine	Calvo-Lobo C 1, Diez-Vega I, Martínez-Pascual B, Fernández-Martínez S, de la Cueva-Reguera M, Garrosa-Martín G, Rodríguez-Sanz D.	1 Nursing and Physical Therapy Department, Faculty of Health Sciences, University of León, Ponferrada, León, Spain bSport Sciences Department, Assessment and Control of Performance and Sport Learning Research Group, Faculty of Health, Exercise and Sport, Universidad Europea de Madrid, Villaviciosa de Odón, Madrid, Spain cPhysiotherapy Department, Physical Therapy and Health Sciences Research Group, Faculty of Health, Exercise and Sport, Universidad Europea de Madrid, Villaviciosa de Odón, Madrid, Spain.	NCBI	-
Symmetry tensiomyographic neuromuscular response after chronic anterior cruciate ligament (ACL) reconstruction.	2017	Journal	Knee Surg Sports Traumatol Arthrosc	Maeda N 1, Urabe Y 2, Tsutsumi S 2, Fujishita H 2, Numano S 2, Takeuchi T 2, Hirata K 3, Mikami Y 4, Kimura H 4.	"1 Division of Sport Rehabilitation, Graduate School of Biomedical and Health Sciences, Hiroshima University, 1-2-3 Kasumi, Minami-ku, Hiroshima, 734-8553, Japan. 2 Division of Sport Rehabilitation, Graduate School of Biomedical and Health Sciences, Hiroshima University, 1-2-3 Kasumi, Minami-ku, Hiroshima, 734-8553, Japan. 3 Department of Sports Medical Center, Hiroshima University, Hiroshima, Japan. 4 Department of Rehabilitation, Hiroshima University Hospital, Hiroshima, Japan."	NCBI	-

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Tensiomyographic Markers Are Not Sensitive for Monitoring Muscle Fatigue in Elite Youth Athletes	2017	pilot study	Front Physiol	Thimo Wiewelhove,* Christian Raeder, Rauno Alvaro de Paula Simola, Christoph Schneider, Alexander Döweling, and Alexander Ferrauti	"Faculty of Sport Science, Ruhr-University, Bochum, Germany Edited by: Urs Granacher, University of Potsdam, Germany Reviewed by: Lars Donath, University of Basel, Switzerland; Thomas Muehlbauer, University of Duisburg-Essen, Germany *Correspondence: Thimo Wiewelhove ed.muhcob-inu-rhur@evohleweiw.omiht This article was submitted to Exercise Physiology, a section of the journal Frontiers in Physiology"	NCBI	-
Skeletal muscle contraction time is an important factor in the muscle damage response in kickboxing athletes	2017	Journal	ARCHIVES OF BUDO HEALTH PROMOTION AND PREVENTION	Damir Zubac 1,2, Boštjan Šimunič 2, Hrvoje Karninčić 1, Vladimir Ivančev 3	"1 University of Zagreb, Faculty of Kinesiology, Zagreb, Croatia 2 Science and Research Center Koper, Institute for Kinesiology Research, Koper, Slovenia 3 University of Split, Faculty of Kinesiology, Split, Croatia"	NCBI	-
Acute Foam Rolling effects on contractile properties of the m. biceps femoris	2017	Journal	Ger J Exerc Sport Res	Jan Schroeder · Vanessa Renk · Klaus-Michael Braumann · Karsten Hollander	"Faculty of Psychology and Human Movement Science, Institute for Human Movement Science, Department of SportsMedicine, University of Hamburg, Hamburg, Germany"	NCBI	-
Predictive Factors Of Elite Sprint Performance: Influences Of Muscle Mechanical Properties And Functional Parameters	2017	Journal	The Journal of Strength and Conditioning Research	"Irineu Loturco1, Ronaldo Kobal1, Katia Kitamura1, Victor Fernandes2, Neilton Moura2, Felipe Siqueira3, César C. Cal Abad1, Lucas A. Pereira1"	"1 – NAR - Nucleus of High Performance in Sport, São Paulo, SP, Brazil; 2 – BMF-BOVESPA, Track & Field Club, São Paulo, Brazil; 3 – Pinheiros Sport Club, São Paulo, SP, Brazil."	NCBI	-
Reliability and measurement error of tensiomyography to assess mechanical muscle function: A systematic review	2017	Journal	Journal of Strength and Conditioning Research	"Saúl Martín-Rodríguez1, Irineu Loturco2, Angus M Hunter3, David Rodríguez-Ruiz4, Diego Munguia-Izquierdo5"	"1 Colegio Oficial de Licenciados en Educación Física de Canarias (COLEF), Las Palmas de Gran Canaria, Gran Canaria, Spain 2 NAR - Nucleus of High Performance in Sport, São Paulo, SP, Brazil 3 Health and Exercise Sciences Research Group, University of Stirling, Stirling, UK 4 Department of Physical Education, University of Las Palmas de Gran Canaria, Gran Canaria, Spain 5 Department of Sports and Computer Science, Section of Physical Education and Sports, Universidad Pablo de Olavide, ES-41013 Seville, Spain"	NCBI	-
Neuromuscular responses and physiological patterns during a soccer simulation protocol. Artificial turf versus natural grass	2017	journal	J Sports Med Phys Fitness	López-Fernández 1, García-Unanue 2, Sánchez-Sánchez 2, León 3, Hernando 3, Gallardo 3	"1 University of Castilla-La Mancha, IGOID Research Group, Castilla-La Mancha, Toledo, Spain 2 European University, School of Sport Science, Madrid, Spain. 3 University of Castilla-La Mancha, IGOID Research Group, Castilla-La Mancha, Toledo, Spain"	NCBI	-
Acute effect of acrobatic jumps on different elastic platforms in the muscle response evaluated through tensiomyography	2017	journal	JOURNAL OF HUMAN SPORT & EXERCISE	"NICOLÁS A. ROJAS-BARRIONUEVO 1 MERCEDES VERNETTA-SANTANA 2 MYRIAM ALVARIÑASVILL AVERDE 3 JESÚS LÓPEZ-BEDOYA2"	"1 Andalusian Gymnastics Training Center, University of Granada, Spain 2 Department of Physical Education and Sport, University of Granada, Spain 3 Faculty of Education and Sport Sciences, University of Vigo, Spain"	NCBI	-
Muscle Contraction Velocity: A Suitable Approach to Analyze the Functional Adaptations in Elite Soccer Players	2016	Journal	Journal of Sports Science and Medicine	Irineu Loturco,1,2,* Lucas A. Pereira,1,* Ronaldo Kobal,1,* Katia Kitamura,1,* Rodrigo Ramirez-Campillo,4,* Vinicius Zanetti,5,* Cesar C. Cal Abad,1,* and Fabio Y. Nakamura 1,3,	1NAR - Nucleus of High Performance in Sport, São Paulo, SP, Brazil 2 Department of Mechatronics Engineering, University of São Paulo, SP, Brazil 3 Department of Physical Education, State University of Londrina, PR, Brazil 4 Department of Physical Activity Sciences, Universidad de Los Lagos, Osorno, Chile 5Red Bull Brazil Football, São Paulo, SP, Brazil	NCBI	-

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Assessment of fatigue and recovery in male and female athletes following six days of intensified strength training.	2016	Journal	The Journal of Strength & Conditioning Research	Raeder C1, Wiewelhove T, De Paula Simola RÁ, Kellmann M, Meyer T, Pfeiffer M, Ferrauti A.	11Department of Training and Exercise Science, Faculty of Sport Science, Ruhr-University Bochum, Germany 2Department of Sport Psychology, Faculty of Sport 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 Sport Science, Johannes-Gutenberg University, Mainz, Germany.	NCBI	-
Gluteus maximus impairment in femoroacetabular impingement: a tensiomyographic evaluation of a clinical fact.	2016	Journal	Archives of Orthopaedic and Trauma Surgery	Seijas R1,2, Alentorn-Geli E3, Álvarez-Díaz P4,5,6, Marín M7, Ares O4,5, Sallent A8, Cuscó X4, Cugat R4,5,6	1Fundación García-Cugat. Artroscopia GC, Hospital Quirón, Barcelona, Spain. 2Universitat Internacional de Catalunya, Barcelona, Spain. 3Department of Orthopaedic Surgery, Duke Sports Sciences Institute, Duke University, Durham, NC, USA. 4Fundación García-Cugat. Artroscopia GC, Hospital Quirón, Barcelona, Spain. 5Universitat Internacional de Catalunya, Barcelona, Spain. 6Mutualidad de Futbolistas, Federación Española de Fútbol, Delegación Cataluña, Barcelona, Spain. 7Department of Physical Medicine and Rehabilitation, Hospital Quirón, Barcelona, Spain. 8Department of Orthopaedic Surgery, Hospital Vall d'Hebron, Barcelona, Spain.	NCBI	Springer link
Acute Effect of a Foam Roller on the Mechanical Properties of the Rectus Femoris Based on Tensiomyography in Soccer Players	2016	Journal	International Journal of Human Movement and Sports Sciences	Francisco Ignacio Martínez-Cabrera1,2,*, Francisco Javier Núñez-Sánchez1	1Faculty of Sport, Pablo de Olavide University, Spain 2 Department of Strength and Conditioning, Guangzhou R&F Football Club, China	-	-
Tensiomyography reliability and prediction of changes in muscle force following heavy eccentric strength exercise using muscle mechanical properties	2016	Journal	Sports Technology	Rauno Álvaro de Paula Simola1, Nico Harms1, Christian Raeder1, Michael Kellmann2,3,4, Tim Meyer5, Mark Pfeiffer6 & Alexander Ferrauti1	1 Faculty of Sports Science, Department of Training and Exercise Science, Ruhr-University Bochum, Bochum, Germany, 2 Faculty of Sports Science, Department of Sport Psychology, Ruhr-University Bochum, Bochum, Germany, 3 School of Human Movement Studies, The University of Queensland, Brisbane, Australia, 4 School of Psychology, The University of Queensland, Brisbane, Australia, 5 Institute of Sports and Preventive Medicine, Saarland University, Saarbruecken, Germany, 6 Institute of Sports Science, Johannes-Gutenberg University, Mainz, Germany	NCBI	-
Impact of hydration on muscle contraction properties of elite competitive wrestlers	2016	Journal	Archives of Budo - Science of Martial Arts	José Manuel García1, Bibiana Calvo1, Luís Monteiro2, Luís Massuça2, Javier Portillo1, Javier Abian-Vicen1	1 Faculty of Sports Science, University of Castilla–La Mancha, Toledo, Spain 2 Faculty of Physical Education and Sports, Lusófona University, Lisbon, Portugal	-	-
Tensiomyography: A Novel Method for the Assessment of Muscle Injuries	2015	Journal	The Korean Journal of Sports Medicine	Chan Kim1, Jung Hoon Chai2, Bo Kyeong Kim3, Chul Hyun Kim2, Sang Won Bae4	1 Department of Physiology and Biophysics, Eulji University School of Medicine, Daejeon, 2 Department of Sports Medicine, Soonchunyang University, Asan, 3 Department of Social Physical Education, Korea University, Seoul, 4 Daejeon Teun Teun Hospital, Daejeon, Korea	-	-
Assessment of Muscle Contractile Properties at Acute Moderate Altitude Through Tensiomyography	2015	Journal	High Altitude Medicine & Biology	Antonio J. Morales-Artacho,1 Paulino Padial,1 Dario Rodriguez-Matoso,2 David Rodriguez-Ruiz,2 Amador Garcia-Ramos,1 Juan Manuel Garcia-Manso,2 Carmen Caldero 3 and Bele Feriche1	1Department of Physical Education and Sport, Faculty of Sport Sciences, University of Granada, Granada, Spain. 2 University of Las Palmas de Gran Canaria, Gran Canaria, Spain. 3 Sport Performance Centre of Sierra Nevada, Granada, Spain.	NCBI	-

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The importance of functional diagnostics in preventing and rehabilitating gymnast injuries with the assistance of the tensiomyography (TMG) method: a case study	2015	Journal	Baltic Journal of Health and Physical Activity	Almir Atiković ¹ ABCDEFG, Mitija Samardžija Pavletić ² ABDEG, Muhamed Tabaković ³ ABDEG	1 Faculty of Physical Education and Sport, University of Tuzla, Tuzla, Bosnia and Herzegovina 2 Applied Kinesiology, University of Primorska, Koper, Slovenia 3 Faculty of Sport and Physical Education, University of Sarajevo, Sarajevo, Bosnia and Herzegovina	-	-
Effects of an Uphill Marathon on Running Mechanics and Lower Limb Muscles Fatigue	2015	Journal	International Journal of Sports Physiology and Performance	Nicola Giovannelli ¹ , Paolo Taboga, Enrico Rejc, Bostjan Šimunic, Guglielmo Antonutto, Stefano Lazzar	1 Department of Biomedical Sciences and Technology, University of Udine, Italy.	NCBI	-
Reduced Radial Displacement of the Gastrocnemius Medialis Muscle Following Electrically Elicited Fatigue.	2015	Journal	Journal of Sport Rehabilitation	Macgregor LJ ¹ , Ditroilo M, Smith IJ, Fairweather MM, Hunter AM.	1 Health and Exercise Sciences Research Group, University of Stirling, Scotland.	NCBI	-
Preseason Neuromuscular Profile of Knee Extensor and Flexor Muscles in Elite Amateur Road Cyclist's Assessment through Tensiomyography	2015	Journal	Annals of Sports Medicine and Research	Oscar García-García	Department of Education and Sport Sciences, University of Vigo, Spain	-	-
Differences between skeletal muscle contractile parameters estimated from transversal tensiomyographic and longitudinal torque twitch response	2015	Journal	Kinesiology	Katja Koren ¹ , Boštjan Šimunič ^{1,2} , Enrico Rejc ^{3,4} , Stefano Lazzar ³ and Rado Pišot ^{1,2}	1 University of Primorska, Science and Research Centre, Institute for Kinesiology Research, Koper, Slovenia 2 University of Primorska, Faculty of Education, Department of Primary School Teaching, Koper, Slovenia 3 University of Udine, Department of Medical and Biological Sciences, Italy 4 University of Louisville, Department of Neurological Surgery, Louisville, Kentucky, USA	-	-
Do We Have Enough Information to Reduce Musculoskeletal Disorders?	2015	Journal	Multi-, Inter-, and Trans-disciplinary Issues in Computer Science and Engineering	Jemec, Jure ¹ , Đorđević, Srđan ¹	1 TMG-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 Loturco ¹ , Saulo Gil ¹ , Cristiano Frota de Souza Laurino ² , Hamilton Roschel ³ , Ronaldo Kobal ¹ , Cesar Cavinato Cal Abad ¹ , Fabio Yuzo Nakamura ⁴	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-García ¹ , Jose María Cancela-Carral ¹ , Fernando Huelin-Trillo ²	1 Faculty of Education and Sport Sciences. University of Vigo (Spain). 2 Galician 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 RA ¹ , Harms N, Raeder C, Kellmann M, Meyer T, Pfeiffer M, Ferrauti A	1 Department of Training and Exercise Science, Faculty of Sports Science, Ruhr-University Bochum, Germany 2 Department of Sport Psychology, Faculty of Sports Science, Ruhr-University Bochum, Germany 3 School of Human Movement Studies and School of Psychology, The University of Queensland, Brisbane, Australia 4 Institute of Sports and Preventive Medicine, Saarland University, Saarbrücken, Germany 5 Institute of Sports Science, Johannes-Gutenberg University, Mainz, Germany.	NCBI	-

TITLE	YEAR	TYPE	PUBLICATION	AUTHOR(S)	INSTITUTION	NCBI LINK	OTHER LINK
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 Dănculescu 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	-	-
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, Mutualidad 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, Mutualidad 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 ofMusculature 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 Pais Vasco, Carretera Lasarte s/n, 01007 Vitoria-Gasteiz, Spain		

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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 Cliodhna Ní Scanaill	-		Springer link
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 Jurnal 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

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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 °. 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, robertotrigo@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 SportsScotland 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
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

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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 Djordjević ^{1,3} , Sašo Tomažič ² , Gregor Zupančič ¹ , Rado Pišot ³ and Raja Dahmane ⁴	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
Assessment of the knee flexor and extensor muscles in older people according to their previous physical activity level	2011	Kronos	Kronos: la revista científica de actividad física y deporte, Vol. 10 (2), Julio-Diciembre 2011, artículo 200.	Heredia, J., Rodríguez-Matoso, D., Mantecón, A., Sarmiento, S., García-Manso, J.M., Rodríguez-Ruiz, D.	Laboratorio de Análisis y Planificación del Entrenamiento Deportivo, Departamento de Educación Física, Universidad de Las Palmas de Gran Canaria	-	Kronos
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	-	-	-

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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, Maffuletti 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 Krizaj ² , Rado Pišot ¹	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. Lazzer, 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 Oreb 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 Repeatibility 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. Krizaj, B. Simunic, T. Zagar	Faculty of Electrical Engineering, University of Ljubljana, Trzaska 25, 1000 Ljubljana, Slovenia. dejan.krizaj@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, Science 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 Srdjan 1,3, Dahmane Raja 2, Šimunič Boštjan 1,3, Pišot Rado 1, 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 Križaj 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. Križaj 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
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