

## LIST OF PUBLICATIONS



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SCIENCE FOR BODY EVOLUTION.

TITLE	YEAR	TYPE	PUBLICATION	AUTHOR(S)	INSTITUTION	NCBI LINK	OTHER LINK
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 Drolc 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 Mutualidad Catalana de Futbolistas - Federación Española de Fútbol, 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@sporttrauma.com. 11 Artroscopia GC, S.L., Hospital Quirón, Barcelona, Spain. ramon.cugat@sporttrauma.com. 12 Mutualidad Catalana de Futbolistas - Federación Española de Fútbol, Barcelona, Spain. ramon.cugat@sporttrauma.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., Štíhova 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. Nakamura1,3,	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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Reduced Radial Displacement of the Gastrocnemius Medialis Muscle After Electrically Elicited Fatigue	2016	Journal	Journal of Sport Rehabilitation	Macgregor LJ1, Ditroilo M, Smith IJ, Fairweather MM, Hunter AM.	1Health and Exercise Sciences Research Group, University of Stirling, Scotland.	NCBI	-
Sixty seconds of foam rolling does not affect functional flexibility or change muscle temperature in adolescent athletes.	2016	Journal	International Journal of Sports Physical Therapy	Murray AM, Jones TW1, Horobeanu C2, Turner AP3, Sproule J3.	1Sports Physiology, Sport Science, Aspire Academy, Doha, Qatar. 2Aspire Health Centre, Aspetar, NSMP, Doha, Qatar. 3Institute of Sport, PE & Health Sciences, University of Edinburgh, Edinburgh, UK.	NCBI	-
Tensiomyographical responses to accelerometer loads in female collegiate basketball players.	2016	Journal	Journal of Sports Sciences	Peterson KD1, Quiggle GT1.	1a Strength and Conditioning Department , Olympic Sports University of Iowa , Iowa City , IA , USA.	NCBI	-
Correlation between neuromuscular assessment and evoked potential in the prediction of the multiple sclerosis evolution	2016	Journal	International Journal of Clinical and Experimental Medicine	Ligia Rusu1*, Mihnea Marin2*, Germina Cosma3*, Denisa Enescu Bieru1*, Cristian Petre Copilusi2*, Mirela Maria Vasilescu1*	1Department of Sports Medicine and Kinesiology, University of Craiova, Craiova, Romania; 2Department of Applied Mechanic, University of Craiova, Craiova, Romania; 3Department of Theory and Motricity, University of Craiova, Craiova, Romania.	-	-
Lower correlation between biceps femoris contraction time and maximal running speed in children than in adults: a longitudinal study in 9- to 14-year old children	2016	Journal	Annales Kinesiologiae	Jernej Završnik, Rado Pišot, Tadeja Volmut, Katja Koren, Helena Blažun Vošner, Peter Kokol, Janez Vošner, Boštjan Šimunič	University of Primorska	-	-
Analysis of Bodybuilder's Skeletal Muscle Characteristics Using Tensiomyography	2016	Journal	The Korean Journal of Sports Medicine	Jung Hoon Chai1*, Bo Kyeong Kim2*, Chan Kim1, Chul Hyun Kim3, Sang Won Bae4	1Department of Physiology and Biophysics, Eulji University School of Medicine, Daejeon, 2Department of Sport and Leisure Studies, Korea University, Sejong, 3Department of Sports Medicine, Soonchunhyang University, Asan, 4Global Teun Teun Hospital, Daejeon, Korea	-	-
Evaluation of mechanical properties of knee extensor and patellar tendon during squatting by muscle contraction sensor method	2016	Presentation	Proceedings of the 34 International Conference of Biomechanics in Sport	ShIgeharu TanakaZ, Taro ImawakaZ, DJordjevic SrdjanS and Naoya Tsunoda2	Institute of Political Science and Economics, Kokushi kan University, Tokyo, Japan1 Graduate School of Sport System, Kokushikan Univwsity,Tokyo, Japan2 University of Primorska, Koper, Slovenia3	-	-
Physical inactivity effects on morphological and musculoskeletal changes	2016	Journal	Acta Salus Vitae	Rado Pišot, Boštjan Šimunič, Petra Dolenc	Institute of Kinesiology Research, Faculty of Education University of Primorska, Slovenia	-	-
Muscle mechanical properties of strength and endurance athletes and changes after one week of intensive training	2016	Journal	Journal of Electromyography and Kinesiology	de Paula Simola RÁ1, Raeder C2, Wiewelhove T2, Kellmann M3, Meyer T4, Pfeiffer M5, Ferrauti A2.	1Department of Training and Exercise Science, Faculty of Sport Science, Ruhr-University Bochum, Germany. 2Department of Training and Exercise Science, Faculty of Sport Science, Ruhr-University Bochum, Germany. 3Unit of Sport Psychology, Faculty of Sport Science, Ruhr-University Bochum, Germany; School of Human Movement and Nutrition Sciences, The University of Queensland, Brisbane, Australia. 4Institute of Sports and Preventive Medicine, Saarland University, Saarbrücken, Germany. 5Institute of Sports Science, Johannes-Gutenberg University, Mainz, Germany.	NCBI	-
Effect of High and Low Flexibility Levels on Physical Fitness and Neuromuscular Properties in Professional Soccer Players	2016	Journal	International Journal of Sports Medicine	E. Rey, A. Padrón-Cabo, R. Barcala-Furelos, M. Mecías-Calvo	Faculty of Education and Sports Sciences, University of Vigo, Pontevedra, Spain	NCBI	-
Effects of dry needling (DNHS technique) on the contractile properties of spastic muscles in a	2016	Journal	International Journal of Rehabilitation Research	Calvo S1, Quintero I, Herrero P.	1iPhysio Research Group, Universidad San Jorge, Villanueva de Gálleao. Zaraaooza. Spain.	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.	1Department 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 Massaça2, 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 Atiković1 ABCDEFG, Mitija Samardžija Pavletić2 ABDEG, Muhamed Tabaković3 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 Performanc	Nicola Giovanelli1, Paolo Taboga, Enrico Rejc, Bostjan Šimunic, Guglielmo Antonutto, Stefano Lazzar	1Department 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 LJ1, Ditroilo M, Smith IJ, Fairweather MM, Hunter AM.	1Health 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 Koren1, Boštjan Šimunič1,2, Enrico Rejc3,4, Stefano Lazzar3 and Rado Pišot1,2	1University of Primorska, Science and Research Centre, Institute for Kinesiology Research, Koper, Slovenia 2University of Primorska, Faculty of Education, Department of Primary School Teaching, Koper, Slovenia 3University of Udine, Department of Medical and Biological Sciences, Italy 4University 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, Jure1, Đorđević, Srđan1	1TMG-BMC Ltd.	-	-
Differences in muscle mechanical properties between elite power and endurance athletes: a comparative study	2014	Journal	Journal of Strength and Conditioning Research	Irineu Loturco1, Saulo Gil1, Cristiano Frota de Souza Laurino2, Hamilton Roschel3, Ronaldo Kobal1, Cesar Cavinato Cal Abad1, Fabio Yuzo Nakamura4	1- NAR - Nucleus of High Performance in Sport, São Paulo, SP, Brazil 2- Brazilian Track & Field Confederation, Medical Department, São Paulo, SP, Brazil, 3- School of Physical Education and Sport - University of São Paulo, SP, Brazil, 4- State University of Londrina, Londrina, PR, Brazil	NCBI	-
Neuromuscular profile of top level women kayakers, assessed through tensiomyography.	2014	Journal	Journal of Strength and Conditioning Research	Oscar García-García1, Jose María Cancela-Carral1, Fernando Huelin-Trillo2	1Faculty of Education and Sport Sciences. University of Vigo (Spain). 2Galician Sports Performance Center. Spanish Canoe Federation (Spain)	NCBI	-
Assessment of neuromuscular function after different strength training protocols using tensiomyography.	2014	Journal	Journal of Strength & Conditioning Research	De Paula Simola RA1, Harms N, Raeder C, Kellmann M, Meyer T, Pfeiffer M, Ferrauti A	11Department of Training and Exercise Science, Faculty of Sports Science, Ruhr-University Bochum, Germany 2Department of Sport Psychology, Faculty of Sports Science, Ruhr-University Bochum, Germany 3School of Human Movement Studies and School of Psychology, The University of Queensland, Brisbane, Australia 4Institute of Sports and Preventive Medicine, Saarland University, Saarbrücken, Germany 5Institute of Sports Science, Johannes-Gutenberg University, Mainz, Germany.	NCBI	-

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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 of Musculature of the Knee in Professional Male and Female Volleyball Players	2014	Journal	BioMed Research International	D. Rodríguez-Ruiz, I. Diez-Vega, D. Rodríguez-Matoso, M. Fernández-del Valle, R. Sagastume, and J. J. Molina,	1University of Las Palmas de Gran Canaria, Campus Universitario de Tafira, s/n, Edificio de Ciencias de la Actividad Física y el Deporte, 35017 Las Palmas de Gran Canaria, Spain, 2European University of Madrid, Calle Rio Tajo s/n, Villaviciosa de Odón, 28670 Madrid, Spain, 3Department of Health, Exercise, and Sport Sciences, Texas Tech University, P.O. Box 43011, Lubbock, TX 79409, USA, 4University of 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 Scanail	-		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 Journal of Sports Medicine
Muscles within muscles: a tensiomyographic and histochemical analysis of the normal human vastus medialis longus and vastus medialis obliquus muscles	2013	Journal	J Anat. 2013 Apr 15. doi: 10.1111/joa.12045.	Ludvik Travnik,1 Srdjan Djordjevi c,2,3 Sergej Rozman,3 Marija Hribernik4 and Raja Dahmane4	Department of Orthopedic Surgery, University Medical Centre, Ljubljana, Slovenia 2Applied Kinesiology, Faculty of Mathematics, Natural Sciences and Information Technologies, University of Primorska, Koper, Slovenia 3TMG-BMC, Ljubljana, Slovenia 4Medical Faculty, Institute of Anatomy, University of Ljubljana, Ljubljana, Slovenia	NCBI	Scienceindex
Effects of age and physical activity on response speed in knee flexor and extensor muscles	2013	Journal	European Review of Aging and Physical Activity DOI: 10.1007/s11556-013-0127-7. ISSN. 1813-7253	Rodríguez-Ruiz, D.; García-Manso, J.M.; Rodríguez-Matoso, D.; Sarmiento, S.; Da Silva-Grigoletto, M.2; Pisot, R.3	Department of Physical Education, University of Las Palmas de Gran Canaria, Campus Universitario de Tafra, 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 º. 52-53, 2013-2014 11 p.	Oscar García García	(Sport Sciences and Physical Activity), Faculty of Education and Sport Sciences. University of Vigo (Spain).		
Differences in the contractile properties of the knee extensor and flexor muscles in professional road cyclists during the season	2013	Journal	J Strength Cond Res. 2013 Jan 8. PMID: 23302746	García-García O, Cancela-Carral JM, Martínez-Trigo R, Serrano-Gómez V.	(Sport Sciences and Physical Activity), Faculty of Education and Sport Sciences. University of Vigo (Spain). Campus A Xunqueira s/n 36005. Pontevedra (Spain). Telf. +34 986 801 700 Fax. + 34 986 801 701. oscargarcia@uvigo.es. chemacc@uvigo.es, 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	2012	Journal	J Electromyogr Kinesiol. 2012 Aug;22(4):612-9. ISSN: 1050-6411	García-Manso JM, Rodríguez-Matoso D, Sarmiento S, de Saa Y,	Laboratorio de Análisis y planificación del entrenamiento deportivo, Physical Education Department, University of Las	NCBI	Journal of Electromyography

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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 Djordjević1,3, Sašo Tomažič2, Gregor Zupančič1, Rado Pišot3 and Raja Dahmane4	Department of Biology, Biotechnical Faculty, University of Ljubljana, Ljubljana, 2Department of Telecommunications, Faculty of Electrical Engineering, University of Ljubljana, Ljubljana, 3Institute for Kinesiology Research, Science and Research Center of Koper, University of Primorska, Koper, 4Medical Faculty, Institute of Anatomy, University of Ljubljana, Ljubljana, Slovenia	-	Intech
The effect of recovery strategies on contractile properties using Tensiomyography and perceived muscle soreness in professional soccer players	2012	Journal	J Strength Cond Res. 2012 Nov;26(11):3081-8. doi: 10.1519/JSC.0b013e3182470d33. PMID: 22210472	Rey E, Lago-Peñas C, Lago-Ballesteros J, Casáis L.	Department of Sports Sciences, Faculty of Sports Sciences, University of Vigo, Pontevedra, Spain.	NCBI	Journal of Strength & Conditioning Research
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. drcristianneamtu@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	-	-	-