## Sergio T Fonseca

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Complex systems approach for sports injuries: moving from risk factor identification to injury pattern recognition—narrative review and new concept. British Journal of Sports Medicine, 2016, 50, 1309-1314.	6.7	488
2	The Medium of Haptic Perception: A Tensegrity Hypothesis. Journal of Motor Behavior, 2014, 46, 143-187.	0.9	168
3	Bilateral and unilateral increases in calcaneal eversion affect pelvic alignment in standing position. Manual Therapy, 2008, 13, 513-519.	1.6	101
4	Myofascial force transmission between the latissimus dorsi and gluteus maximus muscles: An in vivo experiment. Journal of Biomechanics, 2013, 46, 1003-1007.	2.1	90
5	Temporal couplings between rearfoot–shank complex and hip joint during walking. Clinical Biomechanics, 2010, 25, 745-748.	1.2	87
6	Foot and Hip Contributions to High Frontal Plane Knee Projection Angle in Athletes: A Classification and Regression Tree Approach. Journal of Orthopaedic and Sports Physical Therapy, 2012, 42, 996-1004.	3.5	76
7	Comparação do desempenho de atividades funcionais em crianças com desenvolvimento normal e crianças com paralisia cerebral. Arquivos De Neuro-Psiquiatria, 2002, 60, 446-452.	0.8	73
8	Biomechanical strategies implemented to compensate for mild leg length discrepancy during gait. Gait and Posture, 2016, 46, 147-153.	1.4	67
9	Increased unilateral foot pronation affects lower limbs and pelvic biomechanics during walking. Gait and Posture, 2015, 41, 395-401.	1.4	65
10	Muscle stiffness and strength and their relation to hand function in children with hemiplegic cerebral palsy. Developmental Medicine and Child Neurology, 2006, 48, 728.	2.1	63
11	Effectiveness of hip muscle strengthening in patellofemoral pain syndrome patients: a systematic review. Brazilian Journal of Physical Therapy, 2015, 19, 167-176.	2.5	58
12	The dynamics of gait in children with spastic hemiplegic cerebral palsy: Theoretical and clinical implications. Human Movement Science, 2000, 19, 375-405.	1.4	56
13	Constraints on disordered locomotion A dynamical systems perspective on spastic cerebral palsy. Human Movement Science, 1996, 15, 177-202.	1.4	55
14	Comparison of Dynamic (Effortful) Touch by Hand and Foot. Journal of Motor Behavior, 2007, 39, 82-88.	0.9	54
15	Adapted version of constraint-induced movement therapy promotes functioning in children with cerebral palsy: a randomized controlled trial. Clinical Rehabilitation, 2010, 24, 639-647.	2.2	54
16	Nature of Motor Control: Perspectives and Issues. Advances in Experimental Medicine and Biology, 2009, 629, 93-123.	1.6	53
17	A dynamical model of locomotion in spastic hemiplegic cerebral palsy: influence of walking speed. Clinical Biomechanics, 2001, 16, 793-805.	1.2	49
18	Stretching versus strength training in lengthened position in subjects with tight hamstring muscles: A randomized controlled trial. Manual Therapy, 2010, 15, 26-31.	1.6	47

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19	Sports Injury Forecasting and Complexity: A Synergetic Approach. Sports Medicine, 2020, 50, 1757-1770.	6.5	43
20	Analyses of dynamic co-contraction level in individuals with anterior cruciate ligament injury. Journal of Electromyography and Kinesiology, 2004, 14, 239-247.	1.7	39
21	Validity and reliability of clinical tests for assessing hip passive stiffness. Manual Therapy, 2011, 16, 240-245.	1.6	39
22	Mild leg length discrepancy affects lower limbs, pelvis and trunk biomechanics of individuals with knee osteoarthritis during gait. Clinical Biomechanics, 2016, 38, 1-7.	1.2	39
23	Haptic selective attention by foot and by hand. Neuroscience Letters, 2007, 419, 5-9.	2.1	37
24	Effects of interventions with therapeutic suits (clothing) on impairments and functional limitations of children with cerebral palsy: a systematic review. Brazilian Journal of Physical Therapy, 2017, 21, 307-320.	2.5	35
25	Muscular co-contraction during walking and landing from a jump: Comparison between genders and influence of activity level. Journal of Electromyography and Kinesiology, 2006, 16, 273-280.	1.7	32
26	Caracterização da performance muscular em atletas profissionais de futebol. Revista Brasileira De Medicina Do Esporte, 2007, 13, 143-147.	0.2	32
27	Late Rearfoot Eversion and Lower-limb Internal Rotation Caused by Changes in the Interaction between Forefoot and Support Surface. Journal of the American Podiatric Medical Association, 2009, 99, 503-511.	0.3	32
28	Association of Hip and Foot Factors With Patellar Tendinopathy (Jumper's Knee) in Athletes. Journal of Orthopaedic and Sports Physical Therapy, 2018, 48, 676-684.	3.5	31
29	Disabilities of the arm, shoulder and hand (DASH): Factor analysis of the version adapted to Portuguese/Brazil. Disability and Rehabilitation, 2008, 30, 1901-1909.	1.8	30
30	Clinical measures of hip and foot–ankle mechanics as predictors of rearfoot motion and posture. Manual Therapy, 2014, 19, 379-385.	1.6	29
31	Sports injuries profile of a first division Brazilian soccer team: a descriptive cohort study. Brazilian Journal of Physical Therapy, 2015, 19, 390-397.	2.5	28
32	Muscle co-contraction after anterior cruciate ligament reconstruction: Influence of functional level. Journal of Electromyography and Kinesiology, 2011, 21, 1050-1055.	1.7	27
33	Changes in lower limb co-contraction and stiffness by toddlers with Down syndrome and toddlers with typical development during the acquisition of independent gait. Human Movement Science, 2008, 27, 610-621.	1.4	26
34	Efeitos do uso de órtese na mobilidade funcional de crianças com paralisia cerebral. Brazilian Journal of Physical Therapy, 2006, 10, 67-74.	2.5	25
35	Muscular performance characterization in athletes: a new perspective on isokinetic variables. Brazilian Journal of Physical Therapy, 2014, 18, 521-529.	2.5	25
36	The Accuracy of the VISA-P Questionnaire, Single-Leg Decline Squat, and Tendon Pain History to Identify Patellar Tendon Abnormalities in Adult Athletes. Journal of Orthopaedic and Sports Physical Therapy, 2016, 46, 673-680.	3.5	25

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37	A Quick and Reliable Procedure for Assessing Foot Alignment in Athletes. Journal of the American Podiatric Medical Association, 2013, 103, 405-410.	0.3	23
38	Effects of Strength Training Aided by Electrical Stimulation on Wrist Muscle Characteristics and Hand Function of Children with Hemiplegic Cerebral Palsy. Physical and Occupational Therapy in Pediatrics, 2008, 28, 309-325.	1.3	22
39	Effects of hip and trunk muscle strengthening on hip function and lower limb kinematics during step-down task. Clinical Biomechanics, 2017, 44, 28-35.	1.2	22
40	Alterations of stiffness and resting position of the elbow joint following flexors resistance training. Manual Therapy, 2008, 13, 411-418.	1.6	21
41	Clinical changes during an intervention based on constraintâ€induced movement therapy principles on use of the affected arm of a child with obstetric brachial plexus injury: a case report. Occupational Therapy International, 2010, 17, 159-167.	0.7	21
42	Ipsilateral and contralateral foot pronation affect lower limb and trunk biomechanics of individuals with knee osteoarthritis during gait. Clinical Biomechanics, 2016, 34, 30-37.	1.2	21
43	Factors associated with the presence of patellar tendon abnormalities in male athletes. Journal of Science and Medicine in Sport, 2016, 19, 389-394.	1.3	21
44	Avaliação muscular isocinética da articulação do joelho em atletas das seleções brasileiras infanto e juvenil de voleibol masculino. Revista Brasileira De Medicina Do Esporte, 2005, 11, 331-336.	0.2	20
45	Scapulothoracic kinematic pattern in the shoulder pain and scapular dyskinesis: A principal component analysis approach. Journal of Biomechanics, 2018, 77, 138-145.	2.1	20
46	Relationships between measures of muscular performance, proprioceptive acuity, and aging in elderly women with knee osteoarthritis. Archives of Gerontology and Geriatrics, 2011, 53, e253-e257.	3.0	19
47	In pursuit of the â€~Unbreakable' Athlete: what is the role of moderating factors and circular causation?. British Journal of Sports Medicine, 2019, 53, 394-395.	6.7	19
48	Do exercise-based prevention programmes reduce non-contact musculoskeletal injuries in football (soccer)? A systematic review and meta-analysis with 13 355 athletes and more than 1 million exposure hours. British Journal of Sports Medicine, 2021, 55, 1170-1178.	6.7	19
49	Steady-state stress at one hand magnifies the amplitude, stiffness, and non-linearity of oscillatory behavior at the other hand. Neuroscience Letters, 2007, 429, 64-68.	2.1	18
50	Análise do perfil, funções e habilidades do fisioterapeuta com atuação na área esportiva nas modalidades de futebol e voleibol no Brasil. Brazilian Journal of Physical Therapy, 2011, 15, 219-226.	2.5	18
51	Prestress revealed by passive co-tension at the ankle joint. Journal of Biomechanics, 2009, 42, 2374-2380.	2.1	16
52	Foot pronation during walking is associated to the mechanical resistance of the midfoot joint complex. Gait and Posture, 2019, 70, 20-23.	1.4	16
53	Proprioception in Individuals with ACL-Deficient Knee and Good Muscular and Functional Performance. Research in Sports Medicine, 2005, 13, 47-61.	1.3	15
54	Neuromuscular mechanisms and anthropometric modifications in the initial stages of independent gait. Gait and Posture, 2006, 24, 375-381.	1.4	15

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55	Força muscular e Ãndice de fadiga dos extensores e flexores do joelho de jogadores profissionais de futebol de acordo com o posicionamento em campo. Revista Brasileira De Medicina Do Esporte, 2013, 19, 452-456.	0.2	15
56	Avaliação muscular isocinética da articulação do ombro em atletas da Seleção Brasileira de voleibol sub-19 e sub-21 masculino. Revista Brasileira De Medicina Do Esporte, 2010, 16, 107-111.	0.2	14
57	Between-Day Reliability of a Cluster-Based Method for Multisegment Kinematic Analysis of the Foot-Ankle Complex. Journal of the American Podiatric Medical Association, 2014, 104, 601-609.	0.3	14
58	Reference values of hip abductor torque among youth athletes: Influence of age, sex and sports. Physical Therapy in Sport, 2016, 21, 1-6.	1.9	14
59	Análise da associação entre a dinamometria isocinética da articulação do joelho e o salto horizontal unipodal, hop test, em atletas de voleibol. Revista Brasileira De Medicina Do Esporte, 2005, 11, 271-275.	0.2	13
60	Is Tensegrity the Functional Architecture of the Equilibrium Point Hypothesis?. Motor Control, 2010, 14, e35-e40.	0.6	13
61	Myofascial force transmission in the lower limb: An in vivo experiment. Journal of Biomechanics, 2017, 63, 55-60.	2.1	13
62	Confiabilidade da mensuração do alinhamento pélvico no plano transverso durante o teste da ponte com extensão unilateral do joelho. Brazilian Journal of Physical Therapy, 2012, 16, 268-274.	2.5	12
63	Relação entre rigidez articular passiva e torque concêntrico dos rotadores laterais do quadril. Brazilian Journal of Physical Therapy, 2012, 16, 414-421.	2.5	12
64	Dynamic resources used in ambulation by children with spastic hemiplegic cerebral palsy: relationship to kinematics, energetics, and asymmetries. Physical Therapy, 2004, 84, 344-54; discussion 355-8.	2.4	12
65	Análise da relação entre flexibilidade e rigidez passiva dos isquiotibiais. Revista Brasileira De Medicina Do Esporte, 2006, 12, 195-200.	0.2	11
66	Therapeutic effects of electrical stimulation on manual function of children with cerebral palsy: Evaluation of two cases. Disability and Rehabilitation, 2008, 30, 723-728.	1.8	11
67	Contributions of Cocontraction and Eccentric Activity to Stiffness Regulation. Journal of Motor Behavior, 2009, 41, 207-218.	0.9	11
68	Validation of a Performance Test for Outcome Evaluation of Knee Function. Clinical Journal of Sport Medicine, 1992, 2, 251-256.	1.8	10
69	Pronação excessiva e varismos de pé e perna: relação com o desenvolvimento de patologias músculo-esqueléticas - revisão de literatura. Fisioterapia E Pesquisa, 2011, 18, 92-100.	0.1	10
70	Development of infant reaching behaviors: Kinematic changes in touching and hitting. , 2013, 36, 825-832.		10
71	Mechanisms contributing to gait speed and metabolic cost in children with unilateral cerebral palsy. Brazilian Journal of Physical Therapy, 2018, 22, 42-48.	2.5	10
72	Validity and reliability of clinical tests for assessing passive ankle stiffness. Brazilian Journal of Physical Therapy, 0, , .	2.5	9

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73	Identification of gait events in children with spastic cerebral palsy: comparison between the force plate and algorithms. Brazilian Journal of Physical Therapy, 2020, 24, 392-398.	2.5	9
74	Hip external rotation stiffness and midfoot passive mechanical resistance are associated with lower limb movement in the frontal and transverse planes during gait. Gait and Posture, 2020, 76, 305-310.	1.4	9
75	Limb Stiffness in Active Leg Swinging of Children with Spastic Hemiplegic Cerebral Palsy. Pediatric Physical Therapy, 2000, 12, 50???61.	0.6	9
76	Power at hip, knee and ankle joints are compromised in women with mild and moderate knee osteoarthritis. Clinical Biomechanics, 2012, 27, 1038-1044.	1.2	8
77	Forefoot Midsole Stiffness Affects Forefoot and Rearfoot Kinematics During the Stance Phase of Gait. Journal of the American Podiatric Medical Association, 2014, 104, 183-190.	0.3	8
78	Dynamic touch is affected in children with cerebral palsy. Human Movement Science, 2014, 33, 85-96.	1.4	8
79	Pelvic Drop Changes due to Proximal Muscle Strengthening Depend on Foot-Ankle Varus Alignment. Applied Bionics and Biomechanics, 2019, 2019, 1-12.	1.1	8
80	Fractal fluctuations in exploratory movements predict differences in dynamic touch capabilities between children with Attention-Deficit Hyperactivity Disorder and typical development. PLoS ONE, 2019, 14, e0217200.	2.5	8
81	Current clinical practice and return-to-sport criteria after anterior cruciate ligament reconstruction: a survey of Brazilian physical therapists. Brazilian Journal of Physical Therapy, 2021, 25, 242-250.	2.5	8
82	Spatial-temporal parameters, pelvic and lower limb movements during gait in individuals with reduced passive ankle dorsiflexion. Gait and Posture, 2022, 93, 32-38.	1.4	8
83	Disability associated with pain—A clinical approximation of the mediating effect of belief and attitudes. Physiotherapy Theory and Practice, 2010, 26, 459-467.	1.3	7
84	Influence of Passive Joint Stiffness on Proprioceptive Acuity in Individuals With Functional Instability of the Ankle. Journal of Orthopaedic and Sports Physical Therapy, 2017, 47, 899-905.	3.5	7
85	Tramadol Hydrochloride at Steady State Lacks Clinically Relevant QTc Interval Increases in Healthy Adults. Clinical Pharmacology in Drug Development, 2019, 8, 95-106.	1.6	7
86	Effects of a foot orthosis inspired by the concept of a twisted osteoligamentous plate on the kinematics of foot-ankle complex during walking: A proof of concept. Journal of Biomechanics, 2019, 93, 118-125.	2.1	7
87	Clinical Measures Related to Forward Shoulder Posture: A Reliability and Correlational Study. Journal of Manipulative and Physiological Therapeutics, 2019, 42, 141-147.	0.9	7
88	Normative data for hip strength, flexibility and stiffness in male soccer athletes and effect of age and limb dominance. Physical Therapy in Sport, 2021, 47, 53-58.	1.9	7
89	The clinical measure of forefoot-shank alignment partially reflects mechanical properties of the midfoot joint complex. Musculoskeletal Science and Practice, 2019, 42, 98-103.	1.3	6
90	Effects of baby walker use on the development of gait by typically developing toddlers. Gait and Posture, 2020, 76, 231-237.	1.4	6

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91	Comparison of a transdermal contraceptive patch with a newly sourced adhesive component versus EVRA patch: A double-blind, randomized, bioequivalence and adhesion study in healthy women. Contraception, 2020, 101, 276-282.	1.5	6
92	Midfoot passive stiffness affects foot and ankle kinematics and kinetics during the propulsive phase of walking. Journal of Biomechanics, 2021, 119, 110328.	2.1	6
93	Linking Tensegrity to Sports Team Collective Behaviors: Towards the Group-Tensegrity Hypothesis. Sports Medicine - Open, 2020, 6, 24.	3.1	6
94	Reconstrução do ligamento cruzado anterior: impacto do desempenho muscular e funcional no retorno ao mesmo nÃvel de atividade pré-lesão. Acta Ortopedica Brasileira, 2007, 15, 280-284.	0.5	5
95	Muscle stiffness and strength and their relation to hand function in children with hemiplegic cerebral palsy. Developmental Medicine and Child Neurology, 2006, 48, 728-733.	2.1	5
96	Upper limb performance and the structuring of joint movement in teenagers with cerebral palsy: the reciprocal role of task demands and action capabilities. Experimental Brain Research, 2015, 233, 1155-1164.	1.5	5
97	Comparison of the rigidity and forefoot – Rearfoot kinematics from three forefoot tracking marker clusters during walking and weight-bearing foot pronation-supination. Journal of Biomechanics, 2020, 98, 109381.	2.1	5
98	â€~What if it were like this?' Perception of mothers of children with cerebral palsy about the ankleâ€foot orthosis of their children: A qualitative study. Child: Care, Health and Development, 2021, 47, 252-260.	1.7	5
99	Effects of sex and walking speed on the dynamic stiffness of lower limb joints. Journal of Biomechanics, 2021, 129, 110803.	2.1	5
100	Analysis of the profile, areas of action and abilities of Brazilian sports physical therapists working with soccer and volleyball. , 2011, 15, 219-26.		5
101	Characterization of hip passive stiffness of volleyball, basketball and futsal young athletes. Physical Therapy in Sport, 2013, 14, 227-231.	1.9	4
102	Task difficulty and inertial properties of hand-held tools: An assessment of their concurrent effects on precision aiming. Human Movement Science, 2016, 48, 161-170.	1.4	4
103	Functional Task Training Combined With Electrical Stimulation Improves Motor Capacity in Children With Unilateral Cerebral Palsy: A Single-Subject Design. Pediatric Physical Therapy, 2019, 31, 208-215.	0.6	4
104	A novel single-leg squat test with speed and accuracy requirements: Reliability and validity in anterior cruciate ligament reconstructed individuals. Knee, 2021, 29, 150-159.	1.6	4
105	Runners with a history of injury have greater lower limb movement regularity than runners without a history of injury. Sports Biomechanics, 2021, , 1-13.	1.6	4
106	Muscle actions on crossed and non-crossed joints during upright standing and gait: A comprehensive description based on induced acceleration analysis. Journal of Biomechanics, 2022, 130, 110874.	2.1	4
107	Normative data of frontal plane patellar alignment in athletes. Physical Therapy in Sport, 2015, 16, 148-153.	1.9	3
108	External rotation elastic bands at the lower limb decrease rearfoot eversion during walking: a preliminary proof of concept. Brazilian Journal of Physical Therapy, 2016, 20, 571-579.	2.5	3

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109	The effects of small and large varus alignment of the foot-ankle complex on lower limb kinematics and kinetics during walking: A cross-sectional study. Musculoskeletal Science and Practice, 2020, 47, 102149.	1.3	3
110	Foot pronation affects pelvic motion during the loading response phase of gait. Brazilian Journal of Physical Therapy, 2021, 25, 727-734.	2.5	3
111	The trunk is exploited for energy transfers of maximal instep soccer kick: A power flow study. Journal of Biomechanics, 2021, 121, 110425.	2.1	3
112	Comparison of incidence, prevalence, severity and profile of health problems between male and female elite youth judokas: A 30-week prospective cohort study of 154 athletes. Journal of Science and Medicine in Sport, 2022, 25, 15-19.	1.3	3
113	Risk of aortic aneurysm and dissection following exposure to fluoroquinolones, common antibiotics, and febrile illness using a self-controlled case series study design: Retrospective analyses of three large healthcare databases in the US. PLoS ONE, 2021, 16, e0255887.	2.5	3
114	Altered Scapular Time Series in Individuals With Subacromial Pain Syndrome. Journal of Applied Biomechanics, 2020, 36, 113-121.	0.8	3
115	Efeito dos exercÃcios de fortalecimento e alongamento sobre a rigidez tecidual passiva. Fisioterapia Em Movimento, 2012, 25, 869-882.	0.1	2
116	Reliability and sensitivity of an instrument for measuring the midfoot passive mechanical properties. Journal of Biomechanics, 2020, 104, 109735.	2.1	2
117	Load Carriage During Walking Increases Dynamic Stiffness at Distal Lower Limb Joints. Journal of Applied Biomechanics, 2021, 37, 373-379.	0.8	2
118	Predicting mobility gains among children with cerebral palsy after application of botulinum toxin A. Brazilian Journal of Physical Therapy, 2009, 13, 44-51.	2.5	2
119	Research productivity grants: Physical Education, Physical Therapy, Speech Pathology, and Occupational Therapy. Brazilian Journal of Physical Therapy, 2016, 20, 1-3.	2.5	2
120	Comparison between the Rizzoli and Oxford foot models with independent and clustered tracking markers. Gait and Posture, 2022, 91, 48-51.	1.4	2
121	Hip passive stiffness is associated with midfoot passive stiffness. Brazilian Journal of Physical Therapy, 2021, 25, 530-535.	2.5	1
122	O perfil da Revista Brasileira de Fisioterapia. Brazilian Journal of Physical Therapy, 2007, 11, v-v.	2.5	1
123	BOLSAS DE PRODUTIVIDADE EM PESQUISA: EDUCAÇÃO FÃSICA, FISIOTERAPIA, FONOAUDIOLOGIA E TERAPIA OCUPACIONAL. CoDAS, 2015, 27, 511-513.	0.7	1
124	The Brazilian Journal of Physical Therapy is now published by Elsevier: a step forward. Brazilian Journal of Physical Therapy, 2016, 20, 493-493.	2.5	1
125	A influência de calçados no arco longitudinal medial do pé e na cinemática dos membros inferiores de crianças no inÃcio da fase de aquisição de marcha. Revista Brasileira De Ortopedia, 2022, 57, 167-174.	0.3	1
126	Interaction of scapular dyskinesis with hand dominance on three-dimensional scapular kinematics. Journal of Bodywork and Movement Therapies, 2022, 30, 89-94.	1.2	1

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127	Capacidade de estabilização pélvica em nadadores de diferentes estilos. Revista Brasileira De Medicina Do Esporte, 2015, 21, 89-93.	0.2	0
128	Comparison of musculoskeletal resources among individuals with different performances in a single leg squat task. Physical Therapy in Sport, 2018, 31, e1.	1.9	0
129	The use of Horizon graphs to visualize bilateral biomechanical time-series of multiple joints. MethodsX, 2021, 8, 101361.	1.6	0
130	Pelvic Sagittal Torsion Caused by Induced Leg Length Discrepancy: Geometrical Illusion May Influence Measures Based on Superior-iliac Spines Positions. Journal of Manipulative and Physiological Therapeutics, 2021, 44, 128-136.	0.9	0
131	Infographic. Exercise-based prevention programmes for non-contact musculoskeletal injuries in football (soccer). British Journal of Sports Medicine, 2021, , bjsports-2021-104592.	6.7	0
132	Desenvolvimento de um modelo de pé segmentado para avaliação de indivÃduos calçados. Fisioterapia Em Movimento, 2013, 26, 95-105.	0.1	0
133	Influence of lower limb torque, range of motion, and foot alignment in patellar rotation (Arno) Tj ETQq1 1 0.784	314 rgBT	Overlock 10