

# CITATION REPORT

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## Limb Amputation and Limb Deficiency

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359	Amputaciones traumáticas. <b>2004</b> , 22, 18-21		
358	Ambulation on Postoperative Day 1 after Bilateral Transtibial Amputations: A Case Report and Literature Review. <i>Journal of Prosthetics and Orthotics</i> , <b>2005</b> , 17, 47-49	0.7	3
357	Non-work-related finger amputations in the United States, 2001-2002. <b>2005</b> , 45, 630-5		58
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354	Characteristics of pediatric traumatic amputations treated in hospital emergency departments: United States, 1990-2002. <b>2005</b> , 116, e667-74		37
353	Venous thromboembolism in a rehabilitation setting after major lower-extremity amputation. <b>2005</b> , 86, 73-8		12
352	Reamputation, mortality, and health care costs among persons with dysvascular lower-limb amputations. <b>2005</b> , 86, 480-6		195
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350	Amputations des membres inférieurs au cours de l'évolution des artériopathies chroniques oblitérantes. <b>2005</b> , 2, 396-409		4
349	The geriatric amputee. <b>2005</b> , 16, 179-95		13
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347	Self-reported treatments used for lower-limb phantom pain: descriptive findings. <b>2006</b> , 87, 270-7		54
346	Environmental barriers experienced by amputees: the Craig Hospital Inventory of Environmental Factors-Short Form. <b>2006</b> , 87, 328-33		49
345	Limb deficiency and prosthetic management. 2. Aging with limb loss. <b>2006</b> , 87, S10-4		118

344	Limb deficiency and prosthetic management. 3. Complex limb deficiency. <b>2006</b> , 87, S15-20	44
343	Limb deficiency and prosthetic management. 4. Comorbidities associated with limb loss. <b>2006</b> , 87, S21-7	19
342	Advances in amputee care. <b>2006</b> , 87, S34-43; quiz S44-5	63
341	Amputations des membres inférieurs au cours de l'évolution des artéropathies chroniques oblitérantes. <b>2006</b> , 1, 1-11	
340	Measuring ankle brachial pressure index. <b>2007</b> , 20, 645-6, 648-9	10
339	Does the presence of a specialized rehabilitation unit in a Veterans Affairs facility impact referral for rehabilitative care after a lower-extremity amputation?. <b>2007</b> , 88, 1249-55	16
338	The adverse effects of race, insurance status, and low income on the rate of amputation in patients presenting with lower extremity ischemia. <b>2007</b> , 45, 55-9	136
337	Amputations and Prostheses. <b>2007</b> , 267-299	
336	A census-based analysis of racial disparities in lower extremity amputation rates in Northern Illinois, 1987-2004. <b>2008</b> , 47, 1001-7; discussion 1007	49
335	Estimating the prevalence of limb loss in the United States: 2005 to 2050. <b>2008</b> , 89, 422-9	1446
334	Rehabilitation setting and associated mortality and medical stability among persons with amputations. <b>2008</b> , 89, 1038-45	71
333	Energy expenditure and activity of transfemoral amputees using mechanical and microprocessor-controlled prosthetic knees. <b>2008</b> , 89, 1380-5	92
332	Compensatory mechanisms in below-knee amputee gait in response to increasing steady-state walking speeds. <b>2008</b> , 28, 602-9	132
331	Gait characteristics of a soldier with a traumatic hip disarticulation. <b>2008</b> , 88, 1568-77	18
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329	Orthopedic surgery options for the treatment of primary osteosarcoma. <b>2008</b> , 15, 13-20	86
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327	Outcomes of individuals with transfemoral and contralateral transtibial amputation due to dysvascular etiologies. <i>Prosthetics and Orthotics International</i> , <b>2009</b> , 33, 33-40	1.5 17

326	Hip disarticulation for severe lower extremity infections. <b>2009</b> , 467, 1721-6		27
325	Development of a prosthesis shoulder mechanism for upper limb amputees: application of an original design methodology to optimize functionality and wearability. <b>2009</b> , 47, 523-31		11
324	National trends in lower extremity bypass surgery, endovascular interventions, and major amputations. <b>2009</b> , 50, 54-60		486
323	Use of autologous bone marrow mononuclear cell implantation therapy as a limb salvage procedure in patients with severe peripheral arterial disease. <b>2009</b> , 50, 1378-90		60
322	Outcome measures in amputation rehabilitation: ICF body functions. <b>2009</b> , 31, 1541-54		33
321	A Novel Electromechanical Shoulder Articulation for Upper-Limb Prostheses: From the Design to the First Clinical Application. <i>Journal of Prosthetics and Orthotics</i> , <b>2009</b> , 21, 79-90	0.7	11
320	Perceptions and Acceptance of Osseointegration Among Individuals With Lower Limb Amputations: A Prospective Survey Study. <i>Journal of Prosthetics and Orthotics</i> , <b>2009</b> , 21, 215-222	0.7	15
319	Experience With Electric Prostheses for the Partial Hand Presentation: An Eight-Year Retrospective. <i>Journal of Prosthetics and Orthotics</i> , <b>2009</b> , 21, 125-130	0.7	9
318	Prediction of externally applied forces to human hands using frequency content of surface EMG signals. <b>2010</b> , 98, 36-44		25
317	Epidemiological study of lower limb amputation in England between 2003 and 2008. <b>2010</b> , 97, 1348-53		112
316	Use of an innovative model to evaluate mobility in seniors with lower-limb amputations of vascular origin: a pilot study. <b>2010</b> , 10, 68		3
315	Epidemiology of post-traumatic limb amputation: a National Trauma Databank analysis. <b>2010</b> , 76, 1214-22		54
314	Provision of rehabilitation services in Québec following stroke: a comparative survey conducted by postal questionnaire. <b>2010</b> , 29, 193-203		4
313	Effects of paediatric limb loss on healthcare utilisation, schooling and parental labour supply. <b>2010</b> , 32, 2046-55		9
312	Amputations in an Ischemic Limb. <b>2010</b> , 441-454		
311	The influence of increasing steady-state walking speed on muscle activity in below-knee amputees. <b>2010</b> , 20, 155-61		48
310	Sex differences in pain and psychological functioning in persons with limb loss. <b>2010</b> , 11, 79-86		47
309	Treatment considerations for elderly and frail patients with neuropathic pain. <b>2010</b> , 85, S26-32		55

308	Safety, energy efficiency, and cost efficacy of the C-Leg for transfemoral amputees: A review of the literature. <i>Prosthetics and Orthotics International</i> , <b>2010</b> , 34, 362-77	1.5	92
307	Oxygen supplementation facilitating successful prosthetic fitting and rehabilitation of a patient with severe chronic obstructive pulmonary disease following trans-tibial amputation: a case report. <b>2010</b> , 4, 410		1
306	A cross-sectional study of post-amputation pain in upper and lower limb amputees, experience of a tertiary referral amputee clinic. <b>2010</b> , 32, 1855-62		49
305	Adult acquired major upper limb amputation in Norway: prevalence, demographic features and amputation specific features. A population-based survey. <b>2011</b> , 33, 1636-49		21
304	Favoring the risk-benefit balance for upper extremity transplantation--the Pittsburgh Protocol. <b>2011</b> , 27, 511-20, ix-x		38
303	Determinants of postacute care discharge destination after dysvascular lower limb amputation. <b>2011</b> , 3, 336-44		26
302	Test-retest reliability of the Sensory Organization Test in older persons with a transtibial amputation. <b>2011</b> , 3, 723-9		14
301	Amputees and sports: a systematic review. <b>2011</b> , 41, 721-40		88
300	Sex disparities in level of amputation. <b>2011</b> , 92, 118-24		10
299	Biomechanics and physiological parameters during gait in lower-limb amputees: a systematic review. <b>2011</b> , 33, 511-26		135
298	Kinetic asymmetry in transfemoral amputees while performing sit to stand and stand to sit movements. <b>2011</b> , 34, 86-91		48
297	Defining successful mobility after lower extremity amputation for complications of peripheral vascular disease and diabetes. <b>2011</b> , 54, 412-9		64
296	Occupational traumatic amputation of distal part of thumb caused by constriction effect of nylon rope: a case report with review of literature. <b>2011</b> , 2011, 427823		
295	Lower extremity amputations--a review of global variability in incidence. <b>2011</b> , 28, 1144-53		289
294	Combined mirror visual and auditory feedback therapy for upper limb phantom pain: a case report. <b>2011</b> , 5, 41		14
293	Outcomes in lower limb amputation following trauma: a systematic review and meta-analysis. <b>2011</b> , 42, 1474-9		138
292	Traumatic limb amputations at a level 1 trauma center. <b>2011</b> , 37, 67-72		12
291	Transtibial Ertl amputation for children and adolescents: a case series and literature review. <b>2011</b> , 5, 357-62		7

290	Gait training with virtual reality-based real-time feedback: improving gait performance following transfemoral amputation. <b>2011</b> , 91, 1385-94		64
289	Reliability of outcome measures for people with lower-limb amputations: distinguishing true change from statistical error. <b>2011</b> , 91, 555-65		146
288	Pattern recognition control of multifunction myoelectric prostheses by patients with congenital transradial limb defects: a preliminary study. <i>Prosthetics and Orthotics International</i> , <b>2011</b> , 35, 395-401	1.5	6
287	What kinds of hand injuries are more likely to result in amputation? An analysis of 6549 hand injuries. <b>2011</b> , 36, 383-91		8
286	A case of severe dysmelia of all extremities. <b>2011</b> , 30, 375-9		1
285	Gritti-stokes amputations in the trauma patient: clinical comparisons and subjective outcomes. <b>2012</b> , 94, 602-8		15
284	Hand transplantation. <b>2012</b> , 23, 331-335		3
283	Utilization of Prostheses and Mobility-Related Assistive Technology Among Service Members and Veterans From Vietnam and Operation Iraqi Freedom/Operation Enduring Freedom. <i>Journal of Prosthetics and Orthotics</i> , <b>2012</b> , 24, 144-152	0.7	6
282	Efficacy of gabapentin for treatment of adults with phantom limb pain. <b>2012</b> , 46, 1707-11		14
281	Community-based survey of amputation derived from the physically disabled person's certification in Kitakyushu City, Japan. <i>Prosthetics and Orthotics International</i> , <b>2012</b> , 36, 196-202	1.5	9
280	Amputations des membres supérieurs. <b>2012</b> , 7, 1-6		
279	Comorbidities in amputation: a systematic review of hemiplegia and lower limb amputation. <b>2012</b> , 34, 1943-9		4
278	Use of gait summary measures with lower limb amputees. <b>2012</b> , 35, 238-43		38
277	Patient education level affects functionality and long term mortality after major lower extremity amputation. <b>2012</b> , 204, 626-30		14
276	A survey on causes of amputation in a 9-year period in Iran. <b>2012</b> , 132, 1555-9		4
275	Efficacy of a porous-structured titanium subdermal barrier for preventing infection in percutaneous osseointegrated prostheses. <b>2012</b> , 30, 1304-11		51
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273	Epidemiological patterns and preventability of traumatic hand amputations among adults in Greece. <b>2013</b> , 44, 475-80		8

272	Fate of the contralateral limb after lower extremity amputation. <b>2013</b> , 58, 1571-1577.e1	28
271	Unilateral lower limb loss following combat injury: medium-term outcomes in British military amputees. <b>2013</b> , 95-B, 224-9	16
270	Validation of the functional and social performance - DSF-84 checklist: preliminary study. <b>2013</b> , 35, 1527-33	5
269	Mid- to long-term factors influencing functional status of people affected by lower-limb amputation associated with hemiparesis due to stroke. <b>2013</b> , 35, 982-9	4
268	Predictors of operative mortality following major lower extremity amputations using the National Surgical Quality Improvement Program public use data. <b>2013</b> , 58, 1276-82	38
267	Knee and hip internal moments and upper-body kinematics in the frontal plane in unilateral transtibial amputees. <b>2013</b> , 37, 436-9	40
266	Compensatory-step training of healthy, mobile people with unilateral, transfemoral or knee disarticulation amputations: A potential intervention for trip-related falls. <b>2013</b> , 38, 500-6	29
265	Lower extremity amputations: factors associated with mortality or contralateral amputation. <b>2013</b> , 47, 608-13	43
264	Lower extremity amputation: a complete series from a tertiary hospital. <b>2013</b> , 12, 322-3	
263	Salvage of an infected periprosthetic failed fracture fixation in a nonagenarian. <b>2013</b> , 4, 39-42	0
262	Hand posture classification using electrocorticography signals in the gamma band over human sensorimotor brain areas. <b>2013</b> , 10, 026002	93
261	Primary prophylaxis for venous thromboembolism in people undergoing major amputation of the lower extremity. <b>2013</b> ,	2
260	Review of the socket design and interface pressure measurement for transtibial prosthesis. <b>2014</b> , 2014, 849073	30
259	Special Considerations for Multiple Limb Amputation. <b>2014</b> , 2, 273-289	24
258	Use of prostheses in lower limb amputee patients due to peripheral arterial disease. <b>2014</b> , 12, 440-6	7
257	Powered Transtibial Prosthetic Device Control System Design, Implementation, and Bench Testing. <b>2014</b> , 8,	13
256	Real-time simultaneous and proportional myoelectric control using intramuscular EMG. <b>2014</b> , 11, 066013	79
255	Predictive factors for successful limb salvage surgery in diabetic foot patients. <b>2014</b> , 14, 113	11

254	Prevalence and 1-year course of alcohol misuse and smoking in persons with lower extremity amputation as a result of peripheral arterial disease. <b>2014</b> , 93, 493-502		5
253	Assessment of aerobic capacity and walking economy of unilateral transfemoral amputees. <i>Prosthetics and Orthotics International</i> , <b>2014</b> , 38, 140-7	1.5	15
252	A novel osseointegrated percutaneous prosthetic system for the treatment of patients with transfemoral amputation: A prospective study of 51 patients. <b>2014</b> , 96-B, 106-13		154
251	Using vacuum-assisted suspension to manage residual limb wounds in persons with transtibial amputation: a case series. <i>Prosthetics and Orthotics International</i> , <b>2014</b> , 38, 68-74	1.5	15
250	Association between Functional Severity and Amputation Type with Rehabilitation Outcomes in Patients with Lower Limb Amputation. <b>2014</b> , 2014, 961798		4
249	Evaluation of gait performance of a hemipelvectomy amputation walking with a canadian prosthesis. <b>2014</b> , 2014, 962980		
248	Epidemiology of limb loss. <b>2014</b> , 25, 1-8		75
247	Targeted muscle reinnervation in the initial management of traumatic upper extremity amputation injury. <b>2014</b> , 9, 253-7		38
246	Phantom limb pain: an energy/trauma model. <b>2014</b> , 10, 389-97		6
245	Continuous estimation of finger joint angles under different static wrist motions from surface EMG signals. <b>2014</b> , 14, 265-271		52
244	Patient perspectives on information needs for amputation secondary to vascular surgery: what, when, why, and how much?. <b>2014</b> , 32, 88-98		9
243	Advances in Transfemoral Amputee Rehabilitation: Early Experience with Targeted Muscle Reinnervation. <b>2014</b> , 2, 1		10
242	Impact of limb loss in the United States. <b>2014</b> , 25, 9-28		28
241	In vitro biomechanical evaluation of fibular movement in below knee amputations. <b>2014</b> , 29, 551-5		1
240	The evolution of functional hand replacement: From iron prostheses to hand transplantation. <b>2014</b> , 22, 44-51		55
239	Amputees. <b>2014</b> , 107-126		1
238	Risk factors for lower extremity amputation in patients with diabetic foot ulcers: a hospital-based case-control study. <b>2015</b> , 6, 29629		71
237	Pain Management in Four-Limb Amputation: A Case Report. <b>2015</b> , 15, E76-80		4



236	Use of probabilistic weights to enhance linear regression myoelectric control. <b>2015</b> , 12, 066030	8
235	Long-term clinical outcomes of war-related bilateral lower extremities amputations. <b>2015</b> , 46, 275-81	7
234	Health-related profiles of people with lower limb loss. <b>2015</b> , 96, 1474-83	56
233	Suicidal ideation among individuals with dysvascular lower extremity amputation. <b>2015</b> , 96, 1404-10	16
232	Ankle-knee prosthesis with active ankle and energy transfer: Development of the CYBERLEGS Alpha-Prosthesis. <b>2015</b> , 73, 4-15	46
231	AN ASSESSMENT OF STABILITY, GAIT PERFORMANCE AND ENERGY CONSUMPTION IN INDIVIDUALS WITH TRANSFEMORAL AMPUTATION. <b>2015</b> , 15, 1550049	1
230	Demonstration of locomotion with the powered prosthesis AMPRO utilizing online optimization-based control. <b>2015</b> ,	2
229	Rehabilitation Following Orthopaedic Surgery in Children with Bone Tumors. <b>2015</b> , 155-169	
228	Re: do rigid dressings reduce the time from amputation to prosthetic fitting? A systematic review and meta-analysis. <b>2015</b> , 29, 160-1	1
227	Dual Window Pattern Recognition Classifier for Improved Partial-Hand Prosthesis Control. <b>2016</b> , 10, 58	21
226	Preoperative Predictors of 30-Day Mortality and Prolonged Length of Stay after Above-Knee Amputation. <b>2016</b> , 31, 124-33	11
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224	Prosthetic Jamming Terminal Device: A Case Study of Untethered Soft Robotics. <b>2016</b> , 3, 205-212	27
223	Comparison of mortality rates and functional results after transtibial and transfemoral amputations due to diabetes in elderly patients-a retrospective study. <b>2016</b> , 33 Pt A, 78-82	7
222	Trauma-related amputations in war and at a civilian major trauma centre-comparison of care, outcome and the challenges ahead. <b>2016</b> , 47, 1806-10	4
221	Custom-made silicone hand prosthesis: A case study. <b>2016</b> , 35, 299-303	4
220	Variation and Trends in Lower Extremity Amputation Rates in Los Angeles County Hospitals 2000-2010. <b>2016</b> , 15, 232-40	5
219	Factors Affecting Mortality After Major Nontraumatic Lower Extremity Amputation. <b>2016</b> , 15, 227-31	9

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215	Postoperative outcomes of major lower extremity amputations in patients with diabetes and peripheral artery disease: analysis using the Diagnosis Procedure Combination database in Japan. <b>2016</b> , 212, 446-50		11
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210	Enhanced Neurobehavioral Outcomes of Action Observation Prosthesis Training. <b>2016</b> , 30, 573-82		9
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202	A Longitudinal Study of Social Participation After Dysvascular Lower Extremity Amputation. <b>2017</b> , 96, 741-747		9
201	Appareillage des membres inférieurs chez l'amputé diabétique : prothèse et chaussures. <b>2017</b> , 33, 35-40		

200	Targeted Muscle Reinnervation for the Upper and Lower Extremity. <b>2017</b> , 32, 109-116	53
199	A randomized clinical trial of a human acellular dermal matrix demonstrated superior healing rates for chronic diabetic foot ulcers over conventional care and an active acellular dermal matrix comparator. <b>2017</b> , 25, 483-497	28
198	Hip disarticulation - case series analysis and literature review. <b>2017</b> , 52, 154-158	7
197	Antegrade vs Crossover Femoral Artery Access in the Endovascular Treatment of Isolated Below-the-Knee Lesions in Patients With Critical Limb Ischemia. <b>2017</b> , 24, 331-336	6
196	Two degrees of freedom quasi-static EMG-force at the wrist using a minimum number of electrodes. <b>2017</b> , 34, 24-36	23
195	Exploring Factors Influencing Low Back Pain in People With Nondysvascular Lower Limb Amputation: A National Survey. <b>2017</b> , 9, 949-959	15
194	Profil biológico e clínico das amputações de membros de adultos em Cotonou. <b>2017</b> , 103, 682-687	1
193	In vivo biocompatibility of porous and non-porous polypyrrole based trilayered actuators. <b>2017</b> , 28, 172	6
192	Lower Limb Disability: Present Military and Civilian Needs. <b>2017</b> , 17-33	1
191	Hybrid invasive weed/biogeography-based optimization. <b>2017</b> , 64, 213-231	24
190	Trunk kinetic effort during step ascent and descent in patients with transtibial amputation using angular momentum separation. <b>2017</b> , 48, 88-96	2
189	Considering passive mechanical properties and patient user motor performance in lower limb prosthesis design optimization to enhance rehabilitation outcomes. <b>2017</b> , 22, 1-15	20
188	Resolving the effect of wrist position on myoelectric pattern recognition control. <i>Journal of NeuroEngineering and Rehabilitation</i> , <b>2017</b> , 14, 39	5-3 16
187	Complications and revision amputation following trauma-related lower limb loss. <b>2017</b> , 48, 364-370	34
186	Neuroprosthetics in amputee and brain injury rehabilitation. <b>2017</b> , 287, 479-485	15
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184	Desarticulação da anca - Análise de uma série e revisão da literatura. <b>2017</b> , 52, 154-158	6
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182	Facettenreiches Problem Postamputationsschmerz. <b>2017</b> , 28, 39-46		
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178	Épidémiologie des amputations traumatiques du membre supérieur. <b>2018</b> , 104, 184-187		
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176	Epidemiology of traumatic upper limb amputations. <b>2018</b> , 104, 273-276		18
175	Functional Outcomes with Externally Powered Partial Hand Prostheses. <i>Journal of Prosthetics and Orthotics</i> , <b>2018</b> , 30, 69-73	0.7	2
174	Factors Influencing Functional Outcomes and Return-to-Work After Amputation: A Review of the Literature. <b>2018</b> , 28, 656-665		19
173	Amputation-Related Pain. <b>2018</b> , 119-127		
172	An integrative review of peer support for patients undergoing major limb amputation. <b>2018</b> , 36, 34-39		15
171	Through-knee amputation is a feasible alternative to above-knee amputation. <b>2018</b> , 68, 197-203		6
170	Safety and function of a prototype microprocessor-controlled knee prosthesis for low active transfemoral amputees switching from a mechanic knee prosthesis: a pilot study. <b>2018</b> , 13, 157-165		8
169	Measuring intrinsic hand strength in healthy adults: The accuracy intrarater and inter-rater reliability of the Rotterdam Intrinsic Hand Myometer. <b>2018</b> , 31, 530-537		4
168	The effect of cognitive impairment on prosthesis use in older adults who underwent amputation due to vascular-related etiology: A systematic review of the literature. <i>Prosthetics and Orthotics International</i> , <b>2018</b> , 42, 144-152	1.5	11
167	Establishing the Turkish version of the SIGAM mobility scale, and determining its validity and reliability in lower extremity amputees. <b>2018</b> , 40, 346-352		3
166	Energetic analysis and optimization of a MACCEPA actuator in an ankle prosthesis. <b>2018</b> , 42, 147-158		12
165	Postamputation Pain. <b>2018</b> , 241-250.e2		2

164	Phantom limb pain: A literature review. <b>2018</b> , 21, 366-368		21
163	Etiology of Above-knee Amputations in the United States: Is Periprosthetic Joint Infection an Emerging Cause?. <b>2018</b> , 476, 1951-1960		11
162	Prosthetic Foot Selection for Individuals with Lower-Limb Amputation: A Clinical Practice Guideline. <i>Journal of Prosthetics and Orthotics</i> , <b>2018</b> , 30, 175-180	0.7	15
161	Comparison of the demographic and clinical characteristics, functional status and quality of life of lower extremity amputees to identify the reason for undergoing amputation. <b>2018</b> , 31, 973-979		4
160	Mechanical Design and Assessment of a Low-Cost 7-DOF Prosthetic Arm for Shoulder Disarticulation. <b>2018</b> , 2018, 4357602		5
159	Incidence rates of dysvascular lower extremity amputation changes in Northern Netherlands: A comparison of three cohorts of 1991-1992, 2003-2004 and 2012-2013. <b>2018</b> , 13, e0204623		8
158	Indications and Decision Making in Lower Extremity Amputations: Has Anything Changed in the Era of Microvascular Soft Tissue and Bone Regeneration Techniques?. <b>2018</b> , 4, 241-246		
157	Is Lower Extremity Transplantation a Superior Alternative to Prostheses? No At Least Not Yet. <b>2018</b> , 5, 349-357		
156	Pre-operative rehabilitation for dysvascular lower-limb amputee patients: A focus group study involving medical professionals. <b>2018</b> , 13, e0204726		4
155	Identifying Fallers Using Clinical Balance Measures in Community-Dwelling Adults with Lower Extremity Amputation: A Cross-Sectional Study. <b>2018</b> , 30, 677-688		1
154	Multi-objective optimization of a parallel manipulator for the design of a prosthetic arm using genetic algorithms. <b>2018</b> , 15,		7
153	Factors associated with amputation among patients with diabetic foot ulcers in a Saudi population. <b>2018</b> , 11, 260		12
152	Complications of bone-anchored prostheses for individuals with an extremity amputation: A systematic review. <b>2018</b> , 13, e0201821		26
151	Rehabilitation of the Blast Injury Casualty with Amputation. <b>2018</b> , 225-239		
150	Behavior-Change Intervention Targeting Physical Function, Walking, and Disability After Dysvascular Amputation: A Randomized Controlled Pilot Trial. <b>2018</b> , 99, 2160-2167		16
149	Lower Limb Amputation and Gait. <b>2018</b> , 57-65.e4		
148	Rehabilitation and Prosthetic Restoration in Upper Limb Amputation. <b>2018</b> , 51-56.e4		0
147	Trends in Pediatric Traumatic Upper Extremity Amputations. <b>2019</b> , 14, 782-790		4

146	Sports and Recreational Adaptations for Amputee Hand. <b>2019</b> , 279-289	
145	Identifying the benefits and risks of emerging integration methods for upper limb prosthetic devices in the United States: an environmental scan. <b>2019</b> , 16, 631-641	5
144	Design and evaluation of a distally actuated powered finger prosthesis with self-contained transmission for individuals with partial hand loss. <b>2019</b> , 11, 168781401983411	3
143	Trends in Demographics and Surgical Treatment of Weapon-Related Limb Injuries Over Two Decades in a Resource-Scarce Setting. <b>2019</b> , 43, 2681-2688	3
142	Evaluation of the usability of an actively actuated arm support. <b>2021</b> , 33, 271-277	2
141	Amputazione degli arti inferiori nel corso dell'evoluzione dell'arteriopatia obliterante degli arti inferiori. <b>2019</b> , 24, 1-9	
140	The role of reconstructive microsurgery in treating lower-extremity chronic wounds. <b>2019</b> , 16, 951-959	5
139	Is skin pressure a relevant factor for socket assessment in patients with lower limb amputation?. <b>2019</b> , 27, 669-677	5
138	Prosthetic Limbs. <b>2019</b> , 235-278	1
137	VITA-an everyday virtual reality setup for prosthetics and upper-limb rehabilitation. <b>2019</b> , 16, 026039	14
136	Psychological distress among persons with upper extremity limb loss. <b>2019</b> , 24, 746-763	8
135	Implicit development of gaze strategies support motor improvements during action encoding training of prosthesis use. <b>2019</b> , 127, 75-83	4
134	A Prospective Assessment of an Adjustable, Immediate Fit, Transtibial Prosthesis. <b>2019</b> , 11, 1210-1217	9
133	Self-aligning prosthetic device for older patients with vascular-related amputations: protocol for a randomised feasibility study (the STEPFORWARD study). <b>2019</b> , 9, e032924	1
132	Myoelectric Control for Upper Limb Prostheses. <b>2019</b> , 8, 1244	13
131	Prophylactic Regenerative Peripheral Nerve Interfaces to Prevent Postamputation Pain. <b>2019</b> , 144, 421e-430e	44
130	The Functionality of the Bio-Mechanical Prosthetic Finger When Compared With Results on Standardized and Functional Assessments: A Single-Case Study. <i>Journal of Prosthetics and Orthotics</i> , <b>2019</b> , 31, 140-144	0.7
129	Posttraumatic stress disorder symptom clusters and substance use among patients with upper limb amputations due to traumatic injury. <b>2019</b> , 41, 3157-3164	

128	On the robustness of real-time myoelectric control investigations: a multiday Fitts' law approach. <b>2019</b> , 16, 026003	15
127	Comparison of self-reported physical activity levels and quality of life between individuals with dysvascular and non-dysvascular below-knee amputation: A cross-sectional study. <b>2019</b> , 12, 235-241	10
126	Nutrition in Paralympics. <b>2019</b> , 203-210	
125	Being the parent of a child with limb difference who has been provided with an artificial limb: an interpretative phenomenological analysis. <b>2020</b> , 42, 1979-1986	4
124	Children's and adolescents' views on upper limb prostheses in relation to their daily occupations. <b>2020</b> , 83, 237-245	3
123	Mortality, Reamputation, and Preoperative Comorbidities in Patients Undergoing Dysvascular Lower Limb Amputation. <b>2020</b> , 64, 228-238	10
122	Diabetic Foot and Peripheral Arterial Disease. <b>2020</b> , 719-723	
121	Lower Limb Amputations. <b>2020</b> , 658-663	2
120	Upper Limb Amputations. <b>2020</b> , 651-657	4
119	Targeted Muscle Reinnervation in the Hand: Treatment and Prevention of Pain After Ray Amputation. <b>2020</b> , 45, 884.e1-884.e6	4
118	Etiology of Amputation. <b>2020</b> , 432-445	0
117	Amputation Surgeries for the Lower Limb. <b>2020</b> , 471-503	
116	Prosthetic Options for Persons With High-Level and Bilateral Amputation. <b>2020</b> , 654-665	
115	Rehabilitation for Children With Limb Deficiencies. <b>2020</b> , 738-758	
114	Prosthetic Options for Persons With Upper Extremity Amputation. <b>2020</b> , 759-783	
113	Advocacy for Office-Based Intervention. <b>2020</b> , 307-314	
112	Blood Cell Count Biomarkers, Risk, and Outcomes of Ischemia-Related Lower Limb Amputations: Systematic Review. <b>2020</b> , 1534734620961785	1
111	Introductory Chapter: General Remarks Regarding Limb Amputations. <b>2020</b> ,	

110	SwedeAmp-the Swedish Amputation and Prosthetics Registry: 8-year data on 5762 patients with lower limb amputation show sex differences in amputation level and in patient-reported outcome. <b>2020</b> , 91, 464-470	11
109	Physical Activity in Adults With an Amputation as Assessed With a Self-Reported Exercise Vital Sign. <b>2020</b> , 12, 861-869	2
108	Characterizing loads at transfemoral osseointegrated implants. <b>2020</b> , 84, 103-114	2
107	Pharmacokinetic Considerations in Amputees. <b>2021</b> , 34, 794-799	0
106	Pre-operative rehabilitation in lower-limb amputation patients and its effect on post-operative outcomes. <b>2020</b> , 143, 110134	2
105	Primary prophylaxis for venous thromboembolism in people undergoing major amputation of the lower extremity. <b>2020</b> , 7, CD010525	4
104	Trends in the Management of Traumatic Upper Extremity Amputations. <b>2020</b> , 45, 1086.e1-1086.e11	2
103	Multidisciplinary Amputation Team Management of Individuals with Limb Loss. <b>2020</b> , 8, 118-126	6
102	Improved Self-Reported Comfort, Stability, and Limb Temperature Regulation with an Immediate Fit, Adjustable Transtibial Prosthesis. <b>2020</b> , 2, 100090-100090	1
101	Targeted Muscle Reinnervation as a Solution for Nerve Pain. <b>2020</b> , 146, 651e-663e	7
100	Osseointegrated reconstruction and rehabilitation of transtibial amputees: the Osseointegration Group of Australia surgical technique and protocol for a prospective cohort study. <b>2020</b> , 10, e038346	6
99	Injuries Associated with Crutch Use: A Narrative Review. <b>2021</b> , 13, 1176-1192	1
98	Barriers to diabetic foot care in a disadvantaged population: A qualitative assessment. <b>2020</b> , 34, 107688	3
97	Interventions for motor rehabilitation in patients with below-knee amputation due to peripheral arterial disease or diabetes. <b>2020</b> ,	
96	Outcomes of major lower extremity amputations in dysvascular patients: Room for improvement. <b>2020</b> , 220, 1506-1510	0
95	Residual limb pain: An evidence-based review. <b>2020</b> , 47, 315-325	1
94	Epidemiology of major lower limb amputation using routinely collected electronic health data in the UK: a systematic review protocol. <b>2020</b> , 10, e037053	5
93	Hip Disarticulation for Periprosthetic Joint Infection: Frequency, Outcome, and Risk Factors. <b>2020</b> , 35, 3269-3273.e3	2



92	Implementation of the clinical practice guideline for individuals with amputations in Colombia: a qualitative study on perceived barriers and facilitators. <b>2020</b> , 20, 538	0
91	Movement asymmetry during low and high demand mobility tasks after dysvascular transtibial amputation. <b>2020</b> , 80, 105102	0
90	Benefits of additive manufacturing and micro and nano surface texture modifications on mechanical strength and infection resistance of skin-implant interfaces in rats. <b>2020</b> , 34, 1193-1200	2
89	Efficacy of a topical formulation of henna ( <i>Lawsonia inermis</i> L.) in contact dermatitis in patients using prosthesis: A double-blind randomized placebo-controlled clinical trial. <b>2020</b> , 49, 102316	5
88	Biobehavioral Intervention Targeting Physical Activity Behavior Change for Older Veterans after Nontraumatic Amputation: A Randomized Controlled Trial. <b>2020</b> , 12, 957-966	2
87	Trends in Surgical Indications for Major Lower Limb Amputation in the USA from 2000 to 2016. <b>2020</b> , 60, 88-96	5
86	Functional rehabilitation of a person with transfemoral amputation through guided motor imagery: a case study. <b>2021</b> , 37, 224-233	0
85	Living in a Food Desert is Associated with 30-day Readmission after Revascularization for Chronic Limb-Threatening Ischemia. <b>2021</b> , 70, 36-42	1
84	Outcomes of subintimal arterial flossing with antegrade-retrograde intervention on patients with critical limb ischemia and tissue loss. <b>2021</b> , 26, 207-209	1
83	Transtibial Osseointegration for Patients with Peripheral Vascular Disease: A Case Series of 6 Patients with Minimum 3-Year Follow-up. <b>2021</b> , 6,	1
82	Patient profiles of below knee-amputation following road traffic accidents - An observational study from a level 1 trauma centre in India. <b>2021</b> , 12, 83-87	
81	Lower Limb Amputation and Gait. <b>2021</b> , 174-208.e3	
80	Rehabilitation and Prosthetic Restoration in Upper Limb Amputation. <b>2021</b> , 153-173.e2	
79	Transmetatarsal Amputation Outcomes When Utilized to Address Foot Gangrene and Infection: A Retrospective Chart Review. <b>2021</b> , 60, 269-275	2
78	Neuropathic Pain in the Elderly. <b>2021</b> , 11,	6
77	Traumatisme grave de la main droite par un hachoir de viande. <b>2021</b> , 11, 266-267	
76	Targeted Muscle Reinnervation Improves Pain and Ambulation Outcomes in Highly Comorbid Amputees. <b>2021</b> , 148, 376-386	8
75	Evidence-based conservative limb preserving surgery for the diabetic foot complications: A systematic review of systematic reviews. <b>2021</b> ,	1

74	Debridement of Diabetic Foot Ulcers. <b>2021</b> ,		3
73	Stump-Socket Interface Conditions. <b>2005</b> , 129-147		14
72	More Than SF-36? Using Narratives to Elaborate Health and Well-Being Data in Recent Lower-Limb Amputees. <i>Social Indicators Research Series</i> , <b>2009</b> , 59-80	0.4	9
71	Lower Extremity Transplantation: Concepts, Challenges, and Controversies. <b>2017</b> , 195-212		2
70	Psychoprosthetics: An Introduction. <b>2008</b> , 1-10		2
69	Mechanical Design of a Prosthetic Human Arm and its Dynamic Simulation. <b>2017</b> , 482-490		3
68	Amputations of the Lower Extremity. <b>2008</b> , 599-613		1
67	Rehabilitation and Prosthetic Restoration in Upper Limb Amputation. <b>2011</b> , 257-276		1
66	Rehabilitation and Prosthetic Restoration in Lower Limb Amputation. <b>2011</b> , 277-316		4
65	Helping Hands. <b>2016</b> ,		28
64	Future Research Directions. <i>Series in Medical Physics and Biomedical Engineering</i> , <b>2013</b> , 165-184		1
63	Functional outcomes following trauma-related lower-extremity amputation. <b>2004</b> , 86, 1636-45		161
62	A Telehealth Intervention Using Nintendo Wii Fit Balance Boards and iPads to Improve Walking in Older Adults With Lower Limb Amputation (Wii.n.Walk): Study Protocol for a Randomized Controlled Trial. <b>2014</b> , 3, e80		8
61	On the development of optical peripheral nerve interfaces. <i>Neural Regeneration Research</i> , <b>2019</b> , 14, 425-436		13
60	Differences in Gait Patterns of Unilateral Transtibial Amputees With Two Types of Energy Storing Prosthetic Feet. <i>Annals of Rehabilitation Medicine</i> , <b>2018</b> , 42, 609-616	1.7	4
59	Leech therapy in nearly total amputation of fingers without vascular repair: a case report. <i>Iranian Red Crescent Medical Journal</i> , <b>2014</b> , 16, e6897	1.3	3
58	Quality of life of caregiver spouses of veterans with bilateral lower extremity amputations. <i>Trauma Monthly</i> , <b>2015</b> , 20, e21891	1	7
57	Amputations. <b>2007</b> , 339-351		

56 Management of the Patient with a Foot at Risk: Peripheral Arterial Disease and Diabetes. **2008**, 673-677

55 Upper Limb Amputations. **2008**, 595-598

o

54 Lower Limb Amputations. **2008**, 599-603

53 Imaging of the Residual Limb after Amputation. **2008**, 2114-2120

52 Upper Extremity Arterial Disease. **2010**, 1807-1821

51 Lower Extremity Amputation. **2010**, 1772-1790

50 Wound Prevention. **2011**, 249-265

49 Dynamic Radiography Imaging as a Tool in the Design and Validation of a Novel Intelligent Amputee Socket. *Computational Methods in Applied Sciences (Springer)*, **2011**, 91-112

o.4

48 Amputations and Prosthetics. **2011**, 1293-1305.e2

47 Wound Prevention. **2011**, 59-75

46 Outcome and Management of Primary Amputations, Subtotal Amputation Injuries, and Severe Open Fractures with Nerve Injuries. **2011**, 265-280

45 Life Care Planning for the Child with a Brachial Plexus Injury. **2011**, 559-580

44 Prosthetic management for the older adult with lower limb amputation. **2012**, 426-445

43 Major Amputations. 1243-1259

42 Prosthetics. **2013**, 529-555

41 Etiology of Amputation. **2013**, 455-468

40 Sports, Disability, and the Reframing of the Post-injury Soldier. *Social Indicators Research Series*, **2013**, 163-178

o.4

39 Rehabilitation for Children with Limb Deficiencies. **2013**, 772-794

- 38 Prosthetic Options for Persons with High-Level and Bilateral Lower-Limb Amputation. **2013**, 685-696
- 37 Amputations of the Lower Extremity. **2013**, 637-649.e1
- 36 Introduction. *Series in Medical Physics and Biomedical Engineering*, **2013**, 1-8 1
- 35 Developmental Defects of the Craniofacial Complex and Orthopedic Disorders. 381-404
- 34 Late Infections of the Hip Joint: Resection Arthroplasty and Other Solutions. **2016**, 201-208
- 33 Management of Pain Related to Amputation. **2016**, 50-61
- 32 Travma Sonrası Meydana Gelen Alt Ekstremitte Amputasyonlarda Etiyoloji ve Maluliyet Değerlendirilmesi. *Adli Tıp Bülteni*, **2016**, 21, 31-38 0.1 3
- 31 Electromyogram and Inertial Sensor Signal Processing in Locomotion and Transition Classification. *Advances in Bioinformatics and Biomedical Engineering Book Series*, **2017**, 195-211 0.4
- 30 Effect of Hemipelvectomy Amputation on Kinematics and Muscle Force Generation of Lower Limb While Walking. *Journal of Rehabilitation*, **2017**, 18, 120-129
- 29 Above Knee Amputation in the Treatment of Failed Septic Total Knee Arthroplasty. **2018**, 181-191 0
- 28 The Evaluation of Balance and Depression Status in Patients with Transtibial Amputations: Controlled Study. *Ankara Medical Journal*, 2.1
- 27 Does Perioperative Hemoglobin A1c Level Affect the Incidence, Pattern and Mortality of Lower Extremity Amputation?. *Current Vascular Pharmacology*, **2019**, 17, 354-364 3.3 2
- 26 Rehabilitation Program Using Short Protheses after Bilateral Transfemoral Amputation: A Case Report. *Journal of Prosthetics and Orthotics*, **2021**, 33, 234-240 0.7
- 25 Complications after hip disarticulation and hemipelvectomy. *Srpski Medicinski časopis Lekarske Komore*, **2020**, 1, 130-136 0.1
- 24 Electromyogram and Inertial Sensor Signal Processing in Locomotion and Transition Classification. **2020**, 762-778
- 23 A 55-Year-Old Man with Pain After Above Knee Amputation. **2020**, 221-232
- 22 Psychological Adjustment to Lower Limb Amputation: An Evaluation of Outcome Measurement Tools. **2008**, 67-90 1
- 21 Management of Diabetic Foot Ulcer by *Hirudo medicinalis*, the Bleeding Leech 2021, 315-330 0

20	Psychological Correlates of Traumatic Experiences and Coping Strategies of Post Amputation: A case study of Mulago Specialized National Hospital, Kampala Uganda..		
19	A Unique Perspective of Prosthetic Fitment to an Amputee with Very Short Transtibial Amputation and Knee Arthrodesis: A Case Study. <i>Indian Journal of Physical Medicine and Rehabilitation</i> , <b>2021</b> , 31, 101-104		
18	Quantification of Upper Limb Isometric Force Control Abilities for Evaluating Upper Limb Functions among Prosthetic Users. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2021</b> , PP,	4.8	0
17	Computation of Human Body Equilibrium for Leg Based on Gait Cycle. <b>2021</b> ,		1
16	Risk Factors and Consequences of Lower Extremity Fracture Nonunions in Veterans With Spinal Cord Injury.. <i>JBMR Plus</i> , <b>2022</b> , 6, e10595	3.9	1
15	Design and Initial Evaluation of a Low-Cost Microprocessor-Controlled Above-Knee Prosthesis: A Case Report of 2 Patients. <i>Prosthesis</i> , <b>2022</b> , 4, 60-72	4.7	0
14	Myoelectric Control Performance of Two Degree of Freedom Hand-Wrist Prosthesis by Able-Bodied and Limb-Absent Subjects.. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2022</b> , PP,	4.8	0
13	Mechanical Design Optimization of Prosthetic Hand's Fingers: Novel Solutions towards Weight Reduction.. <i>Materials</i> , <b>2022</b> , 15,	3.5	0
12	Comparative finite element analysis of an osseointegration system in transradial amputation: a proposal of a new design for osseointegration. <i>Archives of Hand and Microsurgery</i> ,	0.1	
11	sEMG Signals Characterization and Identification of Hand Movements by Machine Learning Considering Sex Differences. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 2962	2.6	1
10	The incidence and trend of geriatric amputations in Taiwan from 1996 to 2013.. <i>Prosthetics and Orthotics International</i> , <b>2022</b> , 46, 175-182	1.5	
9	Within-subject effects of standardized prosthetic socket modifications on physical function and patient-reported outcomes.. <i>Trials</i> , <b>2022</b> , 23, 299	2.8	
8	Evaluating hip disarticulation outcomes in a 51-patient series.. <i>Journal of Orthopaedics</i> , <b>2022</b> , 31, 117-120.	0.6	0
7	Partial-Hand Prosthesis Users Show Improved Reach-to-Grasp Behaviour Compared to Transradial Prosthesis Users with Increased Task Complexity.. <i>Journal of Motor Behavior</i> , <b>2022</b> , 1-13	1.4	
6	Optimization of immune receptor-related hypersensitive cell death response assay using agrobacterium-mediated transient expression in tobacco plants.. <i>Plant Methods</i> , <b>2022</b> , 18, 57	5.8	0
5	EMG-driven control in lower limb prostheses: a topic-based systematic review.. <i>Journal of NeuroEngineering and Rehabilitation</i> , <b>2022</b> , 19, 43	5.3	2
4	On some paleopathological examples of amputation and the implications for healthcare in 13th-17th century Lithuania.. <i>International Journal of Paleopathology</i> , <b>2022</b> , 37, 68-76	1.5	0
3	An Over-Actuated Bionic Knee Prosthesis: Modeling, Design and Preliminary Experimental Characterization. <b>2022</b> ,		2

- 2 Determinants of healing and readiness for prosthetic fitting after transtibial amputation: Integrative literature review. *Prosthetics and Orthotics International*, **2022**, Publish Ahead of Print, 1.5
- 1 User performance with a transradial multi-articulating hand prosthesis during pattern recognition and direct control home use. **2022**, 1-1 0