CENTER FOR O&P LEARNING (COPL) GRANTS, 2009-PRESENT

Year	Title	First Name	Last Name	Credential	Company/Inst	Amount
2009	Comparison of Liner Assisted suspensions in Transtibial Prosthetics	Robert	Kistenberg		Georgia Tech Research Corporation	$7,500
2009	Functional Outcomes of a Custom, Energy, Harvesting 'Bullfrog' AFO	Geza	Kogler	PhD	Georgia Tech Research Corporation	$7,500
2009	Estimation of the Axis at Rotation Position in Non-articulated Energy Storage and Return Prosthetic Foot-Ankle Mechanism	Andrew	Sawyer		University of Washington	$7,500
2010	Investigation of Prosthetic Socket Interface Pressure: Effects of Suspension Types and Socket Alignment	Fan	Gao	PhD	T Southwestern Medical Center at Dallas	$7,500
2010	Exploiting Lower Limb Orthotic Constraint of Movement as a Strategy for Neuromuscular Recalibration	Chris	Hovorka	MS, CPO, LPO, FAAOP	Georgia Institute of Technology	$7,500
2010	Outcomes Assessment of Vacuum Assisted Socket Systems	Sam	Phillips	Ph.D., CP	Tampa Veterans Research and Education Foundation	7,478
2011	Influence of the Rocker Profile in an Orthosis-footwear Combination to Modulate Neuromuscular Behavior	Chris	Hovorka	MS, CPO, LPO, FAAOP	Georgia Institute of Technology	$7,500
2012	Biomechanical and Functional Evaluation of a Microprocessor Controlled Knee Paired with a Powered Ankle-Foot Prosthesis	Maikos	Jason	PhD	VISN 3 Gait and Motion Analysis Laboratory	$15,000
2012	Developing an Evidence Based Approach to Address Functional Level Change in Persons Following Transfemoral Amputation	Bushnik	Tamara	PhD	NYU Langone Medical Center-Rusk Institute of Rehabilitation Medicine	$15,000
2012	Cognitive Workload During Prosthetic Use: A quantitive EEG outcome measure	Deeny	Sean	PhD	Rehabilitation Institute of Chicago	$14,994
2012	Effects of prosthetic components on actual functional outcome of individuals with lower limb loss	Frossard	Laurent	PhD	University of Quebec in Montreal	$15,000
2013	Determining efficacy of dynamic response prosthetic feet in K-level 3	Vibhor	Agrawal	PhD	University of Miami	$15,000
2013	The influence of vacuum-assisted suspension on clinical outcomes in lower limb amputees	Noah	Rosenblatt	PhD	University of Illinois at Chicago	$14,710
2013	Functional Performance and Evaluation of Dynamic Response Feet	Nicoleta	Bugnariu	PT, PhD	University of North Texas Health Science Center	$15,000

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Year	Title	First Name	Last Name	Credential	Company/Inst	Amount
2013	The impact of step targeting during normal gait for persons wearing either a SACH or a dynamic response foot	Silvia	Raschke	PhD	British Columbia Institure of Technology	$14,705
2014	Comparison of Post-Operative Care Following Trans-Tibial Amputation	Dennis	Clark	CPO	Clark and Associates Prosthetics and Orthotics	$15,000
2014	The world is not flat: Justifying prosthetic feet with multi-axial features being used on uneven terrain	Lee	Childers	PhD, MSPO, CP	Alabama State University	$14,995
2014	Physiologic range of step-by-step variations in lower limb prosthesis forces during walking	Goeran	Fiedler	PhD, CPO	University of Pittsburgh	$9,026
2015	Does Vacuum Assisted Socket System Improve Knee Proprioception and Dynamic Balance in Transtibial Amputees?	Fan	Gao	PhD	UT Southwestern Medical Center at Dallas	$15,000
2015	Concurrent Validation of the Continuous Scale Physical Functional Performance Test (CS PFP-10) in Transfemoral Amputees	Jason	Highsmith	PT, PhD, CP, FAAOP	University of South Florida	$15,000
2015	Transfemoral interfaces with vacuum assisted suspension comparison of biomechanics using the CAREn: Ischial containment versus brimless	Jason	Kahle	MSMS, CPO, FAAOP	The University of South Florida, School of PT and Rehab	$15,000
2016	Risk factors and costs associated with secondary health conditions of individuals with above-knee amputations	Kenton	Kaufman	PhD, PE	Mayo Clinic	$15,000
2016	Impact of Carbon Fibre AFOs on gait and resulting changes in quality of life across time in persons with PD	Staci	Shearin	PT, NCS	UT Southwestern	$15,000
2016	Relative influence of orthotic support features within an open frame AFO versus a total contact AFO on function, endurance, and activity level in patients with spastic equinovarus secondary to chronic stroke	Nicholas	LeCursi	CO	Becker Orthopedic Appliance Company	$9,270
2016	Utilizing an innovative Timed-Up-and-Go test for fall risk detection in people with unilateral lower limb loss	Ignacio	Gaunaurd	PhD, MSPT	University of Miami	$11,933
2016	Activity Based Quality Life Assessment to Compare Prostheses with and without Microcontrollers in Transfemoral Amputees	Sai Vikas	Yalla	PhD	Rosalind Franklin University of Medicine and Science	$11,867

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Year	Title	First Name	Last Name	Credential	Company/Inst	Amount
2016	Improved mobility with lower limb prostheses: the establishment of a national multi-site outcomes database	Shane	Wurdeman	PhD, MSPO, CP, FAAOP	Hanger Clinic – Department of Clinical and Scientific Affairs	$11,933
2017	Comparison of quality of life in people with partial foot or transtibial amputation	Sarah	Anderson	MPH	La Trobe University	$14,980
2017	A pilot study to evaluate the effects of the hydraulic ankle-foot prostheses on standing and walking in K2-level ambulators	Steven	Gard	Ph.D.	Northwestern University (NUPOC)	$15,000
2017	Hydraulic and Microprocessor Controlled Ankle-Foot Prostheses for Limited Community Ambulators with Unilateral Transtibial Amputation: Pilot Study	Brian	Kaluf	BSE, CP	Ability Prosthetics and Orthotics, Inc.	$14,735
2017	The Effects of a Custom Pectus Carintum Orthosis on Dosing Response and Quality of Life	Benjamin	Padilla	MD	University of California San Francisco Benoiff Children's Hospital	$15,000
2017	Mobility and Global Health among Users of Lower Limb Orthoses: The Establishment of a National Data Base	Eric	Weber	CPO, FAAOP	Hanger Clinic - Department of Clinical and Scientific Affairs	$15,000
2017	Gait and Motion Control Benefits of Custom Molded Passive-Dynamic AFOs versus Custom Fit Carbon Composite AFOs in Persons with Neuromuscular Impairment	Christopher	Hovorka	Ph.D., CPO, LPO, FAAOP	University of Pittsburgh	$15,000
2017	Prevalence, correlates, and risk of prescription drug use and abuse in individuals with above knee amputations	Kenton	Kaufman	Ph.D., PE	Mayo Clinic	$15,000

Categories of AOPA Supported Research/Grants

- Clinical Investigator Grants—Small Grants
- Comparative Effectiveness Grants (company assisted)
- Systematic Literature Reviews & Best Practices
- Dobson DaVanzo Medicare Data
- RAND Corporation on Prosthetics
- AOPA advocated and secured $10 million per year of DoD funding to support outcomes research in Prosthetics and Orthotics in each of the past four years

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