

Title: Episode 8: Bridging the Gap Between Research, Data Collection and the Clinic with Ryan Duncan

Description: Ryan Duncan talks to first-time host Katy McGraw about his career path from an entry-level PT working as an outcomes assessor to a primary investigator on his own clinical studies. Along the way, he gives great advice on how to use research methodology to improve clinical practice and how to get involved in research as a DPT. Ryan also discusses some of his upcoming research including delving into low back pain in people with PD and physical therapy interventions for people with deep brain stimulation. A great listen for anyone who has considered the research side of PT but isn't on the path to a PhD!

Guest information

Ryan Duncan, PT

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<https://pt.wustl.edu/faculty-staff/faculty/ryan-duncan-pt-dpt/>

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Referenced articles

Low Back Pain--Related Disability in Parkinson Disease: Impact on Functional Mobility, Duncan RP, Van Dillen LR, Garbutt JM, Earhart GM, Perlmutter JS. Physical Activity, and Quality of Life. Phys Ther. 2019 Oct 28;99(10):1346-1353 . <https://academic.oup.com/ptj/article-abstract/99/10/1346/5537308?redirectedFrom=fulltext>

Walking and mHealth to Increase Participation in Parkinson Disease (WHIP PD): <https://clinicaltrials.gov/ct2/show/NCT03517371>

Physical therapy and deep brain stimulation in Parkinson's Disease: protocol for a pilot randomized controlled trial. Duncan RP, Van Dillen LR, Garbutt JM, Earhart GM, Perlmutter JS. Pilot Feasibility Stud. 2018 <https://www.ncbi.nlm.nih.gov/pubmed/29484198>

Related links

K12 Career Development Award Information: <https://researchtraining.nih.gov/programs/career-development/k12>

Gammon Earhart, PT, PhD, FAPTA: Director of the Program in Physical Therapy, Professor of Physical Therapy, Neurology, Neuroscience: <https://pt.wustl.edu/faculty-staff/faculty/gammon-m-earhart-pt-phd/>

Related articles

Effects of exercise on gait and motor imagery in people with Parkinson disease and freezing of gait. Myers PS, McNeely ME, Pickett KA, Duncan RP, Earhart GM. Parkinsonism Relat Disord. 2018 Aug;53:89-95. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6120800/>

Exercise and Parkinson Disease: Comparing Tango, Treadmill, and Stretching. Rawson KS, McNeely ME, Duncan RP, Pickett KA, Perlmutter JS, Earhart GM. J Neurol Phys Ther. 2019 Jan;43(1):26-32. https://journals.lww.com/jnpt/Fulltext/2019/01000/Exercise_and_Parkinson_Disease_Comparing_Tango.4.aspx#pdf-link

Feasibility and preliminary efficacy of a telerehabilitation approach to group adapted tango instruction for people with Parkinson disease. Seidler KJ, Duncan RP, McNeely ME, Hackney ME, Earhart GM. J Telemed Telecare. 2017 Sep;23(8):740-746 <https://www.ncbi.nlm.nih.gov/pubmed/27624469>

Freezing of Gait Boot Camp: feasibility, safety and preliminary efficacy of a community-based group intervention. Rawson KS, Creel P, Templin L, Horin AP, Duncan RP Earhart GM. Neurodegener Dis Manag. 2018 Oct;8(5):307-314. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6391635/>

Low to moderate relationships between gait and postural responses in Parkinson disease. Sutter EN, Seidler KJ, Duncan RP, Earhart GM, McNeely ME. J Rehabil Med. 2017 Jun 28;49(6):505-511. <https://www.medicaljournals.se/jrm/content/abstract/10.2340/16501977-2238>