

Dave Buchanan

Title of the lecture:

A potential clinical approach to outcome measures, intervention validation and selection in neurological groups.

Employer/affiliation:

Becker Orthopedic



Brief introduction about the presentation:

Moving on from Professor Richard's presentation, we will now look at "hands-on" simple methods of gathering data to validate an intervention. This data is usable, immediately or retrospectively, to validate a prescription, but also to highlight the potential functional progress of a user through a lifetime of rehabilitation. Unfortunately, there is still a lack of easily reviewable research into the efficacy of treatment modalities in neurological groups and orthotics, much less the validation of such interventions. But we have access to para-relatable research which may help us on our way to improving our treatment modality selection and highlighting when a follow-up may indicate that a modification to treatment is necessary. This talk will cover the conceptual and further early development of a simple, yet unvalidated, but directed assessment method and targeted interventions. and how these can improve self-reported treatment outcomes in individuals with neurological disorders. He has the immense honour of being the first, and only practising, Orthotist in the world admitted to the register of the Royal College of Physicians and Surgeons of Glasgow as a Fellow of the Faculty of Podiatric Medicine. Unbelievably, now, sport has always been important to Dave; ask his surgeons. In another, albeit thinner, life he climbed with some of the hardest climbers in the world and set British and World Records in Ultra-Endurance Mountain Biking.

Brief presentation of the speaker:

Dave Buchanan consults Internationally for Becker Orthopedic (USA) and helps develop policy-based decision-making algorithms and troubleshooting documentation/sessions for complex case management with any services that require his input. Dave is also, proudly, slightly more tongue in cheek than most presenters. He started his professional life as a civilian Aircraft Engineer with the MOD and RAF. At that time, he was a Party Leader in the RAF Mountain Rescue Service and loved nothing more than walking in the mountains and climbing. After a prolonged period of illness, he changed his outlook on life and decided, on his physio wife's suggestion, to train as a Prosthetist and Orthotist so that he could help others as he, too, had been. He has been, at least partially, responsible for the design of various orthotic systems our profession uses around the world and has worked, and lived, around the Globe, working for the biggest manufacturers in the P and O world. He speaks German and teaches his first course in his developing language only 8months after beginning to learn it. It was a positive struggle that involved lots of help from his students. His specialisation and expertise are in Knee-Ankle-Foot Orthoses and joint systems, although he has also presented internationally on Osteoarthritis and AFOs. He has co-authored in papers on topics such as AFO nomenclature and prioritisation of research into amputation, whilst also occasionally proof reading for P and O International.