

## International Journal of Disability Management

Volume 9, e14, pp. 1. © The Author(s) 2014, doi 10.1017/idm.2014.14
Abstracts of the International Forum on Disability Management Conference, 17–19 November 2014, Melbourne
Session D. Abstract 2

## Workplace-related rehabilitation after foot fractures

Eckehard Froese

Department of Rehabilitation. Social Accident Insurance (VBG), Germany. eckehard.froese@vbq.de

**Background**: For injured workers facing increased physical requirements the VBG, a German Social Accident Insurance Institution, provides 2 types of outpatient medical treatment for the last phase of rehabilitation. One option is a functionally orientated extended physiotherapy including the opportunity for work-ability testing at the workplace with a gradual increase of workload and working time. Second option is a newly-developed multidisciplinary workplace-related rehabilitation integrating the specific work-relevant functional flows in therapy under the direction of a qualified physician and therapists in rehab facilities.

**Objective**: To evaluate the effects of workplace-related rehabilitation after foot fractures in outpatient rehab facilities. Methods: Data of all completed cases with severe fractures of the calcaneus or the ankle joint, undergoing workplace-related therapy in 2013 (n = 27), were compared to consecutive data of 27 completed cases undergoing extended physiotherapy.

**Findings**: Mean age in both groups was 48 years. In the extended physiotherapy group 14 patients additionally received a work-ability testing directly at the workplace. Mean duration from accident to capacity for work was 169.81 days (SD 60.4) for extended physiotherapy and 176.81 days (SD 49.3) for workplace-related rehabilitation. 23 patients with extended physiotherapy and 26 patients with workplace-related rehabilitation maintained work ability 3 months after achieving full capacity for work. Subsequent rehab measures after regaining capacity for work were needed in 6 cases in the extended physiotherapy group and in one case in the workplace-related rehabilitation group.

**Discussion**: Though no statistically verifiable difference in duration of incapacity for work between both groups was found, the results provide apparently evidence that multidisciplinary workplace-related rehabilitation is more sustainable. It is suggested, that a systematic approach and individually tailored multidisciplinary training of the specific work-relevant movement patterns under constant medical and therapeutic direction lead to more stable rehabilitation results.

**Conclusion**: Further research is needed to consolidate our empirical findings.