

Integrative virtual reality therapy produces lasting benefits for a young woman suffering from chronic pain and depression post cancer surgery: a case study

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ABSTRACT

This case study was part of an evaluation of the BrightArm Duo Rehabilitation System for treating the effects of chronic upper body pain following breast cancer surgery. The subject was a 22-year old woman with burning and stabbing pain in the right upper arm. Training consisted of playing custom bimanual 3D games while seated at the gravity-modulating robotic table for 16 sessions over 8 weeks. Standardized assessments demonstrated a meaningful improvement in motor, cognitive and emotive domains with a statistically significant reduction in pain. Gains transferred to daily activities enabling the subject to resume full time employment, driving and socializing.

Full papers will be published in the Conference Proceedings and will be freely available to delegates at the conference and online on September 20, 2016.