User perspectives on multi-touch tabletop therapy

M Annett, F Anderson, W F Bischof

Advanced Man Machine Interface Lab, Department of Computing Science, University of Alberta, Edmonton, Alberta, CANADA

{mkannett, frasera, wfb}@ualberta.ca cs.ualberta.ca/~ {mkannett, frasera, wfb}

ABSTRACT

Technology-based activities are becoming increasingly popular in therapy programs. In particular, multi-touch tabletops seem to be well suited for many therapy activities. To better understand the benefits of using multi-touch tabletops during rehabilitation, we examined users' attitudes towards rehabilitation activities on a multi-touch tabletop and on a non-interactive surface. Using a standardized questionnaire and semi-structured interviews, we identified many advantages and limitations of using multi-touch tabletops in rehabilitation. We discuss the implications of user expectations and experiences on the design of future activities.

Full papers will be published in the Conference Proceeding s and will be available to delegates at the conference on Sept. 10.

Full papers will be released on-line in the ICDVRAT archive on March 15.