

Changing life opportunities- Gaze-based assistive technology for children with physical impairments without speech

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Gaze-based assistive technology (AT) is a promising tool that has the potential to change life opportunities for children with severe physical impairments and without speech. For children with no other means of controlling a computer, gaze-based AT is a valuable device for playing games, performing activities at school, browsing the internet and for independent communication. Evidence regarding gaze-based AT use in daily activities over time for toddlers and children, caregivers' and teacher's perspectives on children's use, and clinical experiences can inform professionals about realistic expectations and provide advice when implementing gaze-based AT in daily activities.

Learning objectives: To increase knowledge of the effects of gaze-based AT interventions at home and in school for children with severe physical impairments without speech including latest technical developments. By presenting current research as well as providing practical examples the workshop intends to increase understanding and skills how gaze-based AT can be used for play, communication, and early intervention.