

TOWARDS DEVELOPING A “CUEING KITCHEN” FOR PEOPLE WITH TRAUMATIC BRAIN INJURY.

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ABSTRACT

Due to problems with attention, cognition, memory, and executive functions people with Traumatic Brain Injury (TBI) face difficulties in independently completing certain instrumental activities of daily living such as meal preparation. The purpose of this research study was to understand specific problems people with TBI face in their activities around their kitchen, specifically focusing on meal preparation tasks. Ethnographic interviews were conducted with people with TBI and specific unmet needs were identified. This paper reports the current status of development of “Cueing Kitchen”, a cognitive orthosis with advanced sensing and prompting tools designed to satisfy some of these unmet needs. The design rationale for deployment of different system components and proposed future developments are also discussed.

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