



RESEARCH DAY
Monday, 6th July 2015
Greynore Hall, Darley Road, Eastbourne

CALL FOR ABSTRACTS

➤ **Submissions should include the following:**

- Title of abstract. The Neater Uni-wheelchair – An Industry, NHS and Academic collaboration
- Names of presenter Dr Anne Mandy
- Contact details. Ex 3946
- The completed abstract [maximum 500 words covering items below].

➤ **Headings**

- Title: The Neater Uni-wheelchair – An Industry, NHS and Academic collaboration
- Author(s): Dr Anne Mandy, Dr Lucy Redhead, Jon Michaelis
- Background: Hemiplegic patients are unable to use conventional wheelchairs which require both arms to propel in a straight line. Current one arm drives are inefficient and result in repetitive strain and shoulder/elbow injury. Steering and propulsion of standard manual wheelchairs involves either 'punting' with the able leg or being pushed.
- Purpose: Development of kits that converted a standard manual wheelchair to a one arm drive.
- Methods: Mixed methodological approaches
- Results: Qualitative user evidence, physiological and ergonomic evidence to support the new product
- Conclusion(s): What can be concluded from the study? What are the suggestions for future work? (if applicable).
- Implications: Development of an evidence base to change thinking underpinning wheelchair prescription.
- Keywords: Assistive technology research and innovation

➤ **Funding acknowledgement** (if applicable)

➤ **Ethics approval**

Evidence that ethics approval was given is required. Please name the ethics committee that approved your work, where appropriate. If ethics approval was not required, or if you do not have an ethics system in your country, please state this. [20 words] (if applicable).

➤ **Brief biography**

- Dr Anne Mandy is a Reader and Director of Doctoral Post Graduate Research Students. Her research is centred around assisting mobility. She works inter-professionally with users, research engineers, rehabilitation therapists and manufacturers to provide an evidence base for therapists and greater choice for users.