

2010 Knowledge Transfer Scheme

Chief Investigator: Dr John Winder, University of Ulster

Co-investigators: Professor Eilis McCaughan (UU), Mr Stuart McIntosh (BHSCT), Mr Patrick Comiskey (BHSCT), Prof. Roy Spence (QUB)

Title of research project: Breast Cancer Reconstruction: communication and information using novel digital technologies

Abstract: In order for 3D imaging and simulation technology to have a direct benefit to patients, clinicians and other partners we are proposing the following objectives:

- To improve women's well-being and satisfaction following breast cancer and reconstruction surgery (better developed patient / clinician communication, improved information delivery, better informed patient decision making, more accurate breast volume definition and measurement, more accurate surgical planning and outcome, a more realistic understanding of the surgical outcome)
- To increase the knowledge and experience of clinicians (surgeon / breast care nurse) in the application of 3D technologies for communication within breast reconstruction To develop 3D image acquisition, reconstruction and handling skills within the Department of Medical Illustration, Belfast Trust
- To increase clinical knowledge across the project team (especially academic and commercial partners) with regards the issues with breast cancer surgery.