

Stephen Wanless

DipHE BSc (Hons) Adv Dip in General Intensive Care Nursing
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Stephen Wanless : Stephen qualified as a Registered Nurse (adult) in 1996 and worked as a Critical Care Nurse in various specialties until December 2004. Since then he has worked as a Senior Lecturer teaching Critical Care, Nurse Management and transition and Moving and Handling at Birmingham City University. One aspect of his role is to liaise with the coordinator in Moving and Handling training and assist in the delivery of practical training for large cohorts of pre registration student nurses. Stephen has a remit to assist and support students with their learning, looking at new and innovative ways of delivering Moving and Handling training utilising an e-Learning project for moving and handling. He is currently enrolled on a PhD, comparing the traditional methods of delivering Moving and Handling practical training alongside high end technology to promote behavioral changes.



Andrea Page : Andrea qualified as a Registered Nurse for people with Learning Disabilities in 1984 and worked as a community nurse and multi disciplinary team manager until November 2000. Since then has worked as a Senior Lecturer teaching clinical skills and Moving and Handling at Birmingham City University. Andrea also coordinates Moving and Handling training for large cohorts of pre registration student nurses. Part of her role within the university is to assist and support students with their learning, looking at new and innovative ways of delivering Moving and Handling training. Andrea is currently enrolled on a PhD looking at the theory and practice of holding children for clinical procedures.



Rolling a Patient – a motion capture view of posture and positioning

A joint practical concurrent session between
Birmingham City University Faculty of Health Nurse Lecturers and Linet UK

Most people continue to use the poor moving and handling practices that can cause injury. The prevalence of sickness and absence related to manual handling injuries has changed very little over time and if anything it is getting worse costing the National Health Service over eighty million pounds a year (Haslam et al 2007).

It is our thoughts that technology can reshape motor skills learning so that individuals can learn from visualising their posture via a 3D avatar and learn through a simulated experience. The Linet Latera Acute four section electric profiling bed frames lateral tilt facility claims to ease the physical strain on nursing staff helping them to perform routine nursing activities with the minimum of effort (Linet UK 2008).

The moving and handling virtual reality experience working alongside Linet UK's Latera Acute four section electric profiling bed frame will be an environment with which the delegates will be able to visualise themselves within. The delegates can have a real time, multi sensory interaction via an immersive environment which is created by a computer whilst rolling a patient without the lateral tilt and then with the lateral tilt function on. These interactions will involve some of the human senses through visual and vibrotactile feedback.

The world of haptics is expansive by definition. It is the field of science and technology dedicated to tactile sensation, and it has applications for everything from handheld electronic devices to remotely operated robots. Yet outside of the research and engineering community, it is a virtually unknown