

Journal and Conference Papers

1. An evaluation of the utilisation of the virtual environment for radiotherapy training (VERT) in clinical radiotherapy centres across the UK, Sarah James, Claire Dumbleton, Radiography, Volume 19, Issue 2 , Pages 142-150, May 2013
2. WE-G-BRA-04: The Development of a Virtual Reality Dosimetry Training Platform for Physics Training, Beavis A, Ward J, Med. Phys. 39, 3969 (2012)
3. WE-G-BRA-06: Calibrating an Ionisation Chamber: Gaining Experience Using a Dosimetry 'flight Simulator'. A Beavis, J Saunderson, J Ward, Medical physics 39 (6), 3970 (2012)
4. The influence of VERT characteristics on the development of skills in skin apposition techniques, Green D, Appleyard A, Radiography, Volume 17, Issue 3 , Pages 178-182, August 2011
5. The educational theory underpinning a clinical workbook for VERT, Nisbet H, Matthews S, Radiography Volume 17, Issue 1 , Pages 72-75, February 2011
6. A Virtual Environment for Radiotherapy Training and Education-VERT, JW Ward, R Phillips, A Boejen, C Grau, D Jois, AW Beavis, Eurographics 2011-Dirk Bartz Prize, 5-8
7. Virtual reality in radiation therapy training, Boejen A, Grau C, Surgical Oncology, 4 pages, 2010.
8. Preliminary findings on the Virtual Environment for Radiotherapy Training (VERT) system: simulator sickness and presence, Flinton D M, White N, Journal of Radiotherapy in Practice, pp 169-176, 2009.
9. Implementation of an immersive virtual reality training system for radiotherapy: early lessons and insights, Appleyard R, Coleman L, Imaging and Oncology, 16-23, 2009.
10. VERT: Virtual Environment for Radiotherapy Training, AW Beavis, L Page, R Phillips, J Ward, World Congress on Medical Physics and Biomedical Engineering, September 7-12, 2009
11. Virtual reality training for radiotherapy becomes a reality. Phillips R, Ward JW, Page L, Grau C, Bojen A, Hall J ,Nielsen K, Nordentoft V, Beavis AW, Studies in health technology and informatics, 2008(36671), 0926-9630
12. The development and evaluation of a virtual radiotherapy treatment machine using an immersive visualisation environment, P Bridge, RM Appleyard, JW Ward, R Philips, AW Beavis, Computers & Education 49 (2), 481-494, 2007
13. 2890: A Virtual Environment for the Training and Development of Radiotherapy Techniques, AW Beavis, JW Ward, RM Appleyard, R Phillips, International Journal of Radiation Oncology* Biology* Physics 66 (3), 2006, S714
14. MO-D-230A-02: An Immersive Virtual Environment for Training of Radiotherapy Students and Developing Clinical Experience, A Beavis, J Ward, P Bridge, R Appleyard, R Phillips, Medical Physics 33, 2006, 2164
15. A hybrid virtual environment for training of radiotherapy treatment of cancer, R Phillips, JW Ward, P Bridge, RM Appleyard, AW Beavis, Electronic Imaging 2006, 605508-605508-12
16. Immersive visualization training of radiotherapy treatment, R Phillips, JW Ward, AW Beavis, Studies in Health Technology and Informatics 111, 2005, 390-396
17. Incorporating VERT Technology Into the Radiation Therapy Classroom: A Case Study, L Schinmann, M Trad, RADIATION THEARAPIST, Spring 2016, Volume 25, Number 1

Articles, Abstracts, Newsletters and Short papers

1. Using peer mentoring and VERT to support first year clinical practice for radiation therapy students at RMIT University, Douglas M, Chiswell M, Spectrum November 2012, Page 22
2. "Virtual Reality in an educational environment". ESTRO Newsletter September –October 2013, Page 56-59, Annette Boejen.
3. The benefits of using virtual environment radiotherapy training, Garnham D, Knights A, Alder L, Coleman L, Health Service Journal, 2nd February 2012
4. 3D Accelerator in radiation therapy training - from apprenticeship to virtual reality training. Annette Boejen, Newsletter of European Oncology Nursing Society, pp 24-25, Summer 2010.
5. Virtual Environment for Radiotherapy Training (VERT), BCU, August 2010 online.
6. Radiologic Sciences Virtual Environment, Academic Edge, School of Health Professions, MD Anderson Cancer Center, Houston, TX,USA, 2010-2011
7. How to use VERT for interactive CT anatomy for post-registration training, Shah U, Williams A, Synergy, July 2010.
8. Virtual Environment Radiotherapy Training System, The making of a health care hero, 2009/2010 Report to the community, The Michener Institute for Health Sciences
9. Immersive virtual simulation of radiotherapy brings training to life, Michener News, August 2009.
10. Virtual Reality improves radiotherapy training, ORH News, January 2009
11. VERT through the eyes of a student, Student talk for Student radiographers, Provided by the society of radiographers, News, 6th February 2009, Issue No. 13
12. Virtual Environment Radiotherapy Training, Inform, University of Portsmouth.
13. The Implementation of a Hybrid Virtual Environment for Radiotherapy Training (VERT) within the UK; One University's Experience, Tuckey, M. & Roe, B, In C. Bonk et al. (Eds.), Proceedings of World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education. pp. 1310-1312, 2008.
14. Health Students with the X-factor, Birmingham Mail, Tuesday September 23rd 2008.
15. Virtual 3D immersive environment a novel tool in radiotherapy training, Boejen A, Grau C, ESTRO Radiotherapy Technologists Newsletter, pp 15-17, Winter 2007.
16. Virtual teaching offers practitioners new style of radiotherapy training, Kmietowicz Z, BMJ. 2007 April 7; 334(7596): 715

Posters

1. ESTRO 2015 - Development and implementation of a radiation treatment planning teaching module utilising an immersive 3D simulation system, A. Leong, P. Kane, P. Herst, Department of Radiation Therapy, University of Otago, Wellington, New Zealand
2. ESTRO 2015 – Using Virtual Reality Technology to Present Dose Plans to Patients - Rikke L. Poulsen, Klaus Seiersen, Dorte O. Mortensen, Cai Grau, Annette Boejen, Aarhus University Hospital, Department of Oncology, Denmark.
3. ESTRO 2014: Can teaching patients with pelvic tumours about correct positioning improve treatment set-up in radiotherapy? H. Hansen, A. Boejen, M. Bjørklund Ellegaard, A. Vestergaard
4. ECCO 2011 - 3 DIMENSION IMAGING FOR RADIOTHERAPY PLANNING IN PROSTATE

5. CANCER, J. Sulé-Suso, K.-P. Lam, R. Bhana, F. Adab, S. Sargeant, D. Collins, A. Patel, and A. Moloney, Cancer Centre, University Hospital of North Staffordshire, Stoke on Trent, U. K
6. UKRO 2011 – Using Virtual Environment Radiotherapy Training system for interprofessional development, Dean Garnham, Alex Knights, Louisa Bumstead, Alex Thompson, The Ipswich hospital NHS trust, England
7. The influence of the Virtual Environment for Radiotherapy Training (VERTTM) Characteristics on the Development of Skills in Skin Apposition Techniques.
8. The Educational Theory Underpinning a Clinical Workbook for VERT (Virtual Environment for Radiotherapy Training).
9. Heather Nisbet, Sara Matthews (Practice Educators, Churchill Hospital, Oxford, UK).
10. VERT for CT anatomy post registration training. Urvina Shah, Angela Williams (Clinical Learning Facilitators, Mount Vernon Cancer Centre, London, UK).
11. Putting on the goggles: Adapting to a new “view” in undergraduate radiation therapy methodology labs using VERT. Terri Flood, MRT(T) BSc1, Amanda Bolderston, MRT (T) MSc1,2,4, Krista Dawdy, MRT (T), BSc3, Niusha Nowbahari, MRT (T) BSc1, Fiona Cherryman, MRT(T), MEd1,4 The Michener Institute1, Radiation Medicine Program - Princess Margaret Hospital, Odette Cancer Centre, Department of Radiation Oncology - University of Toronto, RIP 5/AP2 2010
12. David Green, Faculty of Health and Wellbeing, Sheffield Hallam University
13. ESTRO 2010 - 3D virtual training facility, Lena Østerholm*, Helle Framholt, Ida Nordentoft, Herlev University Hospital, Oncology department, Radiotherapy, Copenhagen, Denmark
14. Virtual 3D Vocational Assessment within an Undergraduate Radiotherapy Degree, Mark Holland, Nick White (Senior Lecturers), Department of Radiography, Faculty of Health, Birmingham City University.
15. Enhancement of the Radiotherapy Training Experience – Stimulation through Simulation, Nick White, Julie Hall, Mark Holland. Faculty of Health, Birmingham City University.
16. Training of radiation therapists using a 3D virtual environment, A Boejen, A Beavis, K Nielsen, R Phillips, TS Soerensen, J Ward, C Grau, RADIOOTHERAPY AND ONCOLOGY 84, S275-S275, 2007
17. Enhancement of skills simulation using a 3 – dimensional Virtual Reality Training System within an Undergraduate Radiotherapy Program, Nick White, Clair Brackstone. Faculty of Health, Birmingham City University.
18. The Effect of a Projected Virtual Reality Training Environment on Vision Symptoms in Undergraduates, M. Cristino Amenós, P.C. Knox, C. Baker, K. Burgess, Directorate of Orthoptics and Vision Science; Medical Imaging and Radiotherapy , University of Liverpool, UK

Reports

1. An assessment of the impact of Virtual Environment for Radiotherapy Training in UK clinical radiotherapy centres, Project Report by the Society and College of Radiographers, 1 April, 2012
2. Virtual Environment for Radiotherapy Training (VERT) - Final Project Report, for the VERT Project funded by the Department of Health for England and the Cancer Action Team; and Managed by the Society and College of Radiographers, 58 pages, June 2010. Also Virtual Environment for Radiotherapy Training (VERT) - Final Project Report Executive Summary, 7 pages, June 2010.



3. Radiotherapy: developing a world class service for England, report to ministers from National Radiotherapy Advisory group (NRAG), May 2007. Paragraph 68 (page 25) recommends the adoption of VERT technology as a workforce recommendation.

General References

1. Informatics in Radiation Oncology (Imaging in Medical Diagnosis and Therapy), George Starkschall (Editor), R. Alfredo C. Siochi, Taylor Francis Publishing, Publication Date: September 5, 2013 | ISBN-10: 1439825823 | ISBN-13: 978-1439825822 | Edition: 1, Page 119
2. An overview of augmented and virtual reality applications in radiotherapy and future developments enabled by modern tablet devices, F. Cosentino, , N. W. John, J. Vaarkamp, Journal of Radiotherapy in Practice (2013), Page 1 of 15.
3. The use and perceptions of simulation in medical radiation science education, Thoires K, Giles E, Barber W, The Radiographer, Volume 58 (3) 2011, Page 5-11

Vertual endeavour to add all VERT related publications to the above list. Unfortunately publications are sometimes missed and we greatly appreciate being informed of an omission.

If you notice a mistake or an omission please email jan@vertual.co.uk or tom@vertual.co.uk

For further details on VERT and Vertual visit www.vertual.co.uk or email info@vertual.co.uk