

VERT Publications Journal and Conference Papers

2023

1. Radiotherapy plan evaluation tool in a resource-limited setting: Comparison of VERT and treatment planning software. Ramashia, P., N., *Journal of Medical Imaging and Radiation Sciences* 54 (2023) 719–725
2. Jimenez YA, Gray F, Di Michele L, Said S, Reed W, Kench P. Can simulation-based education or other education interventions replace clinical placement in medical radiation sciences? A narrative review. *Radiography (Lond)*. 2023 Mar;29(2):421-427. doi: 10.1016/j.radi.2023.02.003. Epub 2023 Feb 19. PMID: 36809689; PMCID: PMC9938927.
3. Gamification in radiotherapy education: adopting competitive task elements in simulation using the virtual environment of a radiotherapy treatment room (VERT) system. Finton, David & Khine, Ricardo & Mannion, Liam & O'Sullivan, Chris & Cherry, Pam. (2023). *Journal of Radiotherapy in Practice*. 22. 10.1017/S1460396923000262.
4. The impact of 3D stereoscopic visualisation on performance in electron skin apposition techniques using VERT. Parker, Ellis & Kirby, Mike & Bridge, Pete. (2023). *Journal of Radiotherapy in Practice*. 22. 10.1017/S1460396923000158.

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5. Becoming virtually real: using the Virtual Environment for Radiotherapy Training (VERT™) platform for the summative assessment of performance in a palliative radiotherapy treatment technique. Williams, A., Blane, S. *Journal of Radiotherapy in Practice* 22 (2022): n. pag.

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6. The Role of Virtual Environment for Radiotherapy Training (VERT) in Medical Dosimetry Education. Cheung, EYW., Law, MYY., Cheung, F., *Journal of Cancer Education: the Official Journal of the American Association for Cancer Education*, 01 Apr 2021, 36(2):271-277
7. Virtual Imaging for Patient Information on radiotherapy Planning and Delivery for Prostate Cancer. Martínez-Albaladejo, M., Sulé-Suso, J., Lines, D., Bisson, J., Jassal, S. and Edwards, C., 2021. Virtual Imaging for Patient Information on Radiotherapy Planning and Delivery for Prostate Cancer. *Medical Image Understanding and Analysis*, pp.125-139. *Medical Image Understanding and Analysis*, pg. 125-139. (2021)
8. Bridging the Radiotherapy Education Gap in Africa: Lessons Learnt from - the Cape Town Access to Care Training Programme Over the Past 5 Years (2015–2019). Burger, H., Wyrley-Birch, B., Joubert, N., Trauernicht, C., Valentim, J., Groll, J., Berz, S., Vowles, N. and Parkes, J., *Journal of Cancer Education*, (2021)

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9. The utilisation of VERT™ in the training of Image-Guided Radiotherapy for therapeutic radiographers. Stewart-Lord, A., Swayne, T., Johnson, R., Neshiri, I., Gnanamoney, J. and Van Blerk, B., *Journal of Radiotherapy in Practice*, pg.1-4 (2020)
10. The Application of the Virtual Environment for Radiotherapy Training to Strengthen IGRT Education. Chamunyonga, C., Rutledge, P., Caldwell, P., Burbery, J. and Hargrave, C., *Journal of Medical Imaging and Radiation Sciences*, Vol. 51, Iss. 2, pg.207-213 (2020)
11. Evaluation of a VERT-based module for proton radiotherapy education and training. Rabus, A., Kirby, M., Nasole, L. and Bridge, P., *Journal of Radiotherapy in Practice*, pg.1-5 (2020)
12. Empowering patients in decision-making in radiation oncology – can we do better? Leech, M., Katz, M., Kazmierska, J., McCrossin, J. and Turner, S., *Molecular Oncology*, Vol. 14, Iss. 7, pg.1442-1460 (2020)

13. Simulated versus traditional therapeutic radiography placements: A randomised controlled trial. Ketterer, S., Callender, J., Warren, M., Al-Samarraie, F., Ball, B., Calder, K., Edgerley, J., Kirby, M., Pilkington, P., Porritt, B., Orr, M. and Bridge, P., *Radiography*, Vol. 26, Iss. 2, pg.140-146 (2020)

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15. The Role of Virtual Environment for Radiotherapy Training (VERT) in Medical Dosimetry Education Cheung, E., Law, M. and Cheung, F., *The Role of Virtual Environment for Radiotherapy Training (VERT) in Medical Dosimetry Education*. *Journal of Cancer Education* (2019)
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17. Simulation-based education: A narrative review of the use of VERT in radiation therapy education, P. Kane, *Journal of Medical Radiation Sciences*, Vol. 65, Iss. 2, pg. 131-136 (2018)
18. Radiation therapy patient education using VERT: combination of technology with human care, Y. Jiminez & S. Lewis *Journal of Medical Radiation Sciences*, Vol. 65, No. 2 pp.158-162 (2018)
19. Radiation Therapy Patient Education Review and a Case Study Using the Virtual Environment for Radiotherapy Training System, Y. Jiminez & S. Lewis, *Journal of Medical Imaging and Radiation Sciences*, Vol. 29, Iss. 1, pp.106-117 (2018)
20. Patient education using virtual reality increases knowledge and positive experience for breast cancer patients undergoing radiation therapy. Jimenez, Y.A., Cumming, S., Wang, W. et al. *Support Care Cancer* 26, 2879–2888 (2018). <https://doi.org/10.1007/s00520-018-4114-4>
21. Patient education in radiation oncology: Evolution and innovation. Saeed, N., *Appl Rad Oncol.* 2018;7(1):43-49.
22. The VERT Physics environment for teaching radiotherapy physics concepts – update of four years’ experience, M.C. Kirby, *Medical Physics International Journal*, Vol. 6, Iss. 2, Pg. 247 – 254, (2018).
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25. Utilising the virtual environment for radiotherapy training system to support undergraduate teaching of IMRT, VMAT, DCAT treatment planning, and QA concepts, Chamunyonga, Crispen, Burbery, Julie, Caldwell, Peter, Rutledge, Peta, Fielding, Andrew, & Crowe, Scott, *Journal of Medical Imaging and Radiation Sciences* (2018)

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27. International audit of Virtual Environment for Radiotherapy Training usage. Bridge, P., Giles, E., Williams, A., Boejen, A., Appleyard, R. and Kirby, M. *Journal of Radiotherapy in Practice*, Vo. 16, Iss. 4, Pg.375-382 (2017)
28. Successful implementation of Virtual Environment for Radiotherapy Training (VERT) in Medical Physics education: The University of Sydney’s initial experience and recommendations. Jimenez, Y., Hansen, C., Juneja, P. and Thwaites, D. (2017). *Australasian Physical & Engineering Sciences in Medicine*, 40(4), pp.909-916 (2017)

29. A pilot study to determine if the use of a virtual reality education module reduces anxiety and increases comprehension in patients receiving radiation therapy, M., Marquess, S. Pinegar Johnston, N. L. Williams, C. Giordano, B E. Leiby, M. D. Hurwitz, A P. Dicker, R B. Den, J Radiation Oncology, March, pp 1–6 (2017)

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35. The utilisation of virtual images in patient information giving sessions for prostate cancer patients prior to radiotherapy. Stewart-Lord, A.; Brown, M.; Noor, S.; Cook, J. Radiography, 269-273 (2016)
36. Enhancing conceptual knowledge: an approach to using Virtual Environment for Radiotherapy Training in the classroom, D. Montgomerie, J. P. Kane, A. Leong and B. Mudie. Journal of Radiotherapy in Practice / FirstView Articles / May 2016, pp 1 – 4 (2016)
37. The influence of virtual training on pelvic radiotherapy education for the multidisciplinary team. A.Williams, U.Shah, G.Fury, L.Codd, M.Brown, Y.Tsang. ESTRO (2016)
38. Incorporating VERT Technology Into the Radiation Therapy Classroom: A Case Study. Schinman, L, Trad, M, Radiation Therapist, Volume 25, Number 1 (2016)
39. Educational Note: From education to research: a journey of utilizing virtual training, Stewart-Lord, A, Journal of Radiotherapy in Practice, Volume 15, Issue 01, pp 85-90 (2016)

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40. The use of a virtual reality simulator to explore and understand the impact of Linac mis-calibrations. AW Beavis, JW Ward, Journal of Physics: Conference Series, Vol. 489, Iss. 1 (2014)
41. Teaching Radiotherapy Physics Concepts Using Simulation: Experience with Student Radiographers in Liverpool, UK, M.C. Kirby. Medical Physics International Journal, Vol. 3, No. 2 pp 87-93 (2015)
42. Pilot study on virtual imaging for patient information on radiotherapy planning and delivery. J. Sulé-Suso, S. Finney, J. Bisson, S. Hammersley, S. Jassel, et al, Radiography, Vol. 21 No. 3, pp.273-277 (2015)
43. Virtual Environment Radiation Therapy, Lasley, J; Ganley, C. Radiation Therapist; Vol. 24, Iss. 1, p105 (2014)
44. Competency based Assessment Using a Virtual Environment for Radiotherapy, D. Flinton, Procedia Computer Science, 25, pp.399-401 (2013)
45. Review of online educational resources for medical physicists, Journal of applied clinical medical physics. J.I. Prosciandaro, Journal of Applied Clinical Medical Physics, Vol. 14, Iss 6, Pg.368 – 387 (2013)

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- radiotherapy centres across the UK. S. James, C. Dumbleton, Radiography, Vol. 19, Iss. 2, Pg. 142-150, (2013)
47. 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)
 48. WE-G-BRA-06: Calibrating an Ionisation Chamber: Gaining Experience Using a Dosimetry 'flight Simulator'. A Beavis, J Saunderson, J Ward, Medical physics, Vol. 39, Iss. 6, Pg. 3970 (2012)
 49. The influence of VERT characteristics on the development of skills in skin apposition techniques. Green D, Appleyard A, Radiography, Vol. 17, Is. 3, Pg. 178-182, (2011)
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 51. Virtual reality in radiation therapy training. Boejen A, Grau C, Surgical Oncology, Vol 20, Iss. 3, Pg. 185 – 188 (2010)
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Virtual endeavour to add all VERT related publications to the above list and we appreciate being informed of any omissions. To notify us of a missing publication please email info@virtual.co.uk