

中臺科技大學 醫學影像暨放射科學系

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期刊論文：

1. Chun-Yen Yu, Shih-Wen Wan, Yih-Chyang Weng, Ching-Han Hsu* (2021, Apr). Three corrections for overshoot effect improved the dose for step-and-shoot intensitymodulated radiation therapy. PLoS One, 16(4):e0250243.
2. Chun-Yen Yu, Wen-Tsae Chou, Yi-Jen Liao, Jeng-Hung Lee, Ji-An Liang, Shih-Ming Hsu* (2017 Feb). Impact of radiation attenuation by a carbon fiber couch on patient dose verification. Sci Rep, 7:43336.
3. Yo-Liang Lai, Shih-Neng Yang, Ji-An Liang, Yao-Ching Wang, Chun-Yen Yu, ChingHsiung Su, Shang-Wen Chen* (2014 Jan). Impact of body-mass factors on setup displacement in patients with head and neck cancer treated with radiotherapy using daily on-line image guidance. Radiat Oncol, 9:19.
4. Yao-Ching Wang, Shang-Wen Chen, Chun-Ru Chien, Te-Chun Hsieh, Chun-Yen Yu, Yu-Cheng Kuo, Shih-Neng Yang, Chia-Hung Kao, Ji-An Liang* (2013 Dec). Radiotherapy for esophageal cancer using simultaneous integrated boost techniques: dosimetric comparison of helical TomoTherapy, Volumetric-modulated Arc Therapy (RapidArc) and dynamic intensity-modulated radiotherapy. Technol Cancer Res Treat, 12(6):485-91.
5. Chin-Nan Chu, Chun-Yen Yu, Wen-Tsen Chou, Shih-Neng Yang, Ji-An Liang, Shang-Wen Che, (2013 Mar). Dosimetric Comparison of Treatment Plans between Intensity-modulated Radiotherapy, Intensity-modulated Arc Therapy and Helical Tomotherapy for Total Scalp Irradiation. 放射治療與腫瘤學, 20(1):23-30.
6. Yao-Ching Wang, Te-Chun Hsieh, Chun-Yen Yu, Kuo-Yang Yen, Shang-Wen Chen, Shih-Neng Yang, Chun-Ru Chien, Shih-Ming Hsu, Tinsu Pan, Chia-Hung Kao, Ji-An Liang* (2012 Jul). The clinical application of 4D 18F-FDG PET/CT on gross tumor volume delineation for radiotherapy planning in esophageal squamous cell cancer. J Radiat Res, 53(4):594-600.
7. Li-Cheng Kuo, Shiu-Chen Jeng, Chun-Yen Yu, Miao-Feng Chen, Wen-Cheng Chen, (2003 Mar). The Dose Calculation Program for High-Energy Photon and

Electron Beams in Aapm's TG-51 Protocol. 放射治療與腫瘤學, 10(1):45-52.

8. Tung, C.J., Hsu, F.Y., Yu, C.Y., (1999 Aug). Uncertainty Analyses of Reconstructed Inhabitant Doses from ⁶⁰Co-Contaminated Rebar Buildings. Radiation Protection Dosimetry 84, 439–443.

研討會論文：

1. Jian-Kai Hong, Ching-Hsiung Su, Hsi-Ya Chao, Ho-Hsing Chen, Chun-Yen Yu* (2026, Mar). Evaluated Skin dose of Breast Cancer with Tangential Field, IMRT and VMAT.. The 59th Annual Meeting of TWSRT and the International Conference of Medical Imaging.
2. Jian-Kai Hong, Ching-Hsiung Su, Guo-Long Lin, Chun-Yen Yu* (2025, Jun). A Comparative Study on Dose Attenuation Characteristics of a Custom Agar Phantom Using Two Commercial Linear Accelerators.. International Symposium On Medical Imaging And Radiological Sciences.
3. Jian-Kai Hong, Guo-Long Lin, Ho-Hsing Chen, Yuan-Chun Lai, Yi-Wei Hsu, Chun-Yen Yu* (2025, Mar). Investigation of Dose Attenuation Characteristics in Radiation Therapy Utilizing a Self-Constructed Phantom.. The 58th Annual Meeting of TWSRT and the International Conference of Medical Imaging.

研究計畫：

期間	計畫名稱	計畫類別	計畫主持人/ 共同主持人
115/01/01~115/12/31	評估自製壓舌板與舌頭或下顎交界面劑量	校內研究計畫	計畫主持人
114/11/01~115/10/31	評估病患呼吸對於電腦斷層掃描中腫瘤體積影響	國科會計畫	計畫主持人
114/11/01~115/10/31	評估多葉片準直儀與呼吸位移的交互作用對於皮膚閃光技術下的表皮劑量	產學合作	計畫主持人
113/08/01~114/07/31	評估回散射進入監控游離腔對輻射劑量的影響	校內研究計畫	計畫主持人

學術活動參與:

年度	活動名稱	職位
2026	中華民國醫事放射學會 第 59 次年會暨國際醫學 影像學術研討會	口頭報告座長
2026	中華民國醫事放射學會 第 59 次年會暨國際醫學 影像學術研討會	壁報論文評審