(A) Journal updated 2026/03/23

1.	Ming-Che Lee, Shang-Yun Ho, **ChengHsun Lin**. Jao-Perng Lin, Chiung-Ying Liao, Peng-Ling Tsai, Kwo-Whei Lee.**(2005)** Evaluation of coronary artery stenosis by means of multi-detector row computed tomography. Chinese Journal of Radiological Technology., 29:121-128.
2.	ZhongHua Sun, **ChengHsun Lin. (2006)** Intravascular technique shows clinical potential. Diagnostic Imaging (Asia-Pacific) , August/September:19-23,32
3.	Ming-Che Lee, **ChengHsun Lin**. Shang-Yun Ho, Chiung-Ying Liao, Albert D Yang, Yu-Jun Chang, Kwo-Whei Lee. **(2006)** Sixteen-detector row CT coronary angiography: investigating and analysing reconstructed images. Chinese J. Radiology, 31(4):159-165.
4.	**ChengHsun Lin**. Ming-Che Lee, Su-Feng Pan, Chin-Yuan Lu. (2006) Wavelet compression algorithm applied to abdominal ultrasound images. The Radiographer, 53(3):11-17.
5.	Chi-Nan Lin, Chia-Hui Chou, ChengHsun Lin, Ying-Yueh Hsu, Chia-Ying Chao. (2006) Reversible data embedding for protecting digital medical x-ray images. Journal of CTUST, 18(2):41-62.
6.	Ming-Che Lee, **Cheng-Hsun Lin**, Shang-Yun Ho, Chiung-Ying Liao, Albert D. Yang,Yu-Jun Chang,Kwo-Whei Lee. **(2006)** Sixteen-detector Row CT Coronary Angiography: Investigating and Analyzing Reconstructed Images. CJ Radiologic Tech 31(4):159-165.
7.	Shiao YH, Chen TJ, Chuang KS, **Lin CH**, Chuang CC. **(2007)** Quality of compressed medical images. J Digit Imaging. 20(2):149-159
8.	Zhonghua Sun **ChengHsun Lin** Robert Davidson Chiauhuei Dong Yunchan Liao. (2008) Diagnostic value of 64-slice CT angiography in coronary artery disease: A systemic review. European Journal of Radiology 67:78-84.
9.	Zhonghua Sun, **ChengHsun Lin**. Three-D CTA views assist endovascular aneurysm repair. Diagnostic Imaging (Asia-Pacific) **2008** , Autumn: 20-22.
10.	Zhonghua Sun Robert Davidson **ChengHsun Lin**. **(2009)** Multi-detector row CT angiography in the assessment of coronary in-stent restenosis: A systematic review. European Journal of Radiology 69:489-495.
11.	ChiungHui Chen, YouCheng Lin, **ChengHsun Lin. (2010)** Image Quality Evaluation on Compressed MR Image by Using Objective and Mathematical Methods. CJ Radiologic Tech 34(4):221-227.
12.	蘇柏華, 莊之林,何昭霆,**林政勳. (2011)**病房護理人員對醫用游離輻射級防護之相關因素探討.中華職業醫學雜誌會 18(4):279-292
13.	Chia-Yu Ken, **ChengHsun Lin (2011)** Objective Structured Clinical Examination (OSCE) in Radiological Technology: An Assessment of the Performance in Diagnostic Ultrasound Technology. Chinese Journal of Radiologic Technology; 35(2): 1-8
14.	Zhonghua Sun, **Chenghsun Lin** , YeuSheng Tyan , Kwan-Hoong Ng. **(2012)** Optimization of chest radiographic imaging parameters: A comparison of image quality and entrance skin dose for digital chest radiography systems. J.Cli.Imaging 36:279-286
15.	黃美蘭,**林政勳**,吳杰,黃文娟,么煥中,曾文盛.**(2012)** 利用乳房磁振造影與乳房 X 光影像評估非均質乳房組織的乳腺劑量值.中華放射線技術學雜誌.36(4):193-200.
16.	Zhonghua Sun, **Chenghsun Lin (2013)** Computed tomography virtual intravascular endoscopy in the visulization of cardiovascular disease: imaging appearances and clinical value. Journal of Radiology and Diagnostic Imaging. 1:19-28.
17.	Sun Z, **Lin C-H. (2014)** Coronary CT angiography in coronary artery disease: from diagnosis to prevention. Heart Res Open J. 1(1):1-8.
18.	吳偉立,謝旭滿,**林政勳**. **(2015)**胸部攝影參數改變之影像最適化研究-以胸部假體為例. 中華放射線技術學雜誌.39(1):1-8.
19.	Yu-Ting Tung, **Cheng-Hsun Lin**, Shen-Yuan Lee, Tung-Kuo Huang **(2015)** Workplace Violence Involving Radiographers and its Relevant Factors in Taiwan. J Radiol Sci 40: 81-87
20.	Pan LF, Kittipayak S, Yen SL, Pan LK, **Lin CH (2016)**. Evaluation of the occupational X-rays dose of the medical staff in a cardiac catheterization laboratory using an acrylic phantom and semiconductor dosimeter. Hell J Nucl Med.May-Aug;19(2):140-6. doi: 10.1967/s002449910368. Epub 2016 Jun 22.
21.	**Hung-Chih Lin**, Te-Jen Lai, Hsien-Chun Tseng, Cheng-Hsun Lin, Yen-Ling, Tseng & Chien-Yi Chen **(2017)**: Evaluating doses of multi-slice CT in brain examinations using various methods. Computer Assisted Surgery, 22(sup1):54-60 DOI: 10.1080/24699322.2017.1379136
22.	Chou R, Li JH, Ying LK, **Lin CH**, Leung W **(2019)**. Quantitative assessment of three vendor's metal artifact reduction techniques for CT imaging using a customized phantom. Comput Assist Surg 24(sup2):34-42. doi: 10.1080/24699322.2019.1649075. Epub 2019 Sep 10.
23.	Ryan Chou, Hung-Yi Chi , Yi-Hung Lin, Liu-Kuo Ying, Yu-Ju Chao, **Cheng-Hsun Lin (2020)** Comparison of Quantitative Measurements of Four Manufacturer's Metal Artifact Reduction Techniques for CT Imaging With a Self-Made Acrylic Phantom. Technol Health Care. 28(S1):273-287. doi: 10.3233/THC-209028.
24.	Chu Hseuh-Pi, Huang Shu-Jhen, Hsieh Ta-Yi, Luo Tao-Chi, **Lin Chenh-Hsun (2020)** Dose distribution measurement by TLDs in a fluoroscopic space. CJRT 44(3):115-122.
25.	**Cheng-Hsun Lin**, Te-Fa Huang, Shin-Hua Wu **(2021)** Radiation Distribution Measurement at X-ray Exam. C J Radiologic Tech 45(3):138-146.
26.	Zhi-Lin,Zhuang, Chang-Yu Wu, **Cheng-Hsun Lin (2022)** Evaluation of the Stereoscopic Dose Distribution in Endoscopic Retrograde Cholangiopancreatography room using N1 phantom and TLD technique. Journal of Mechanics in Medicine and Biology 22(9): 2240055.
27.	林政勳,許鈺欣,方沛仁,林佳臻,呂昀蓁,何俊泓(2022) 嬰幼兒 X 光攝影輔助架研發與結構剛性驗證.中華放射線技術學雜誌 2022; 46(2):85-93
28.	林佳臻, 林政勳. (2023) 結合翻轉教室自製醫學影像輔具對學生學習成效影響之研究中華放射線技術學雜誌.2022;47(1):1-9.
29.	林政勳, 許紘鳴, 賓崑龍.(2023) 運用劇場理論及 Mini-CEX 提升醫學影像教學成效.中華放射線技術學雜誌.2023;47(4):160-167.

30.	Chang, WC., Shih, TY., Fang, PR. Lin, CH.(2024) Measuring Spatial Radiation Dose Distribution During Abdominal Computed Tomography Scanning with Optically Stimulated Luminescence Dosimeters. J. Med. Biol. Eng. 44, 788–797. https://doi.org/10.1007/s40846-024-00907-2
31.	Chieh-Chi Yen, Tian-yu Shih, Yun-Chen Lyu, Wen-Chuan Chang, Cheng-Hsun Lin (2025) Safe radiation dose of portable X-ray radiography determined using optically stimulated luminescence dosimeters. Radiation Physics and Chemistry. https://doi.org/10.1016/j.radphyschem.2025.112787
32.	陳葦庭,張容甄,林政勳(2025) 應用操作型技能直接觀察法提升移動醫療人才臨床能力. 中華放射線技術學雜誌 C J Radiologic Tech 49(1): 23-28

(B) Conference

1.	WeiCheng Yeh, ChengHsun Lin, NienTsu Han, LuWen Chen. Microcalcifications---early sign and cause of Freiberg's infraction. The 25th Conference of Radiologists of ROC, Kauhsung, Taiwan, March 2005
2.	NienTsu Han, WeiCheng Yeh, ChengHsun Lin, HonChi Hsieh. New approach of Shoulder Arthrography. The 25th Conference of Radiologists of ROC, Kauhsung, Taiwan, March 2005
3.	ChengHsun Lin, MingChe Lee, YuFeng Huang. Year of Experience Reading Compressed Images by means of ROC Analysis. The 14th Conference of Radiologic Technologists of ROC, Taipei, Taiwan. January 2005.
4.	ShuFeng Pan, ChengHsun Lin. Efficacy comparison with different conformal radiotherapy on NPC. The 40th Annual Meeting of Radiographers. 7-9 Oct. 2005, Seoul Korea.
5.	ChengHsun Lin, YuFeng Huang. The Study of Nosocomial Infection and Transmission by way of Diagnostic Imaging Facilities in Taiwan. ECR 2006 March 3-7, Vienna
6.	ChengHsun Lin, MingChe Lee, SuFeng Pan. The image quality assurance of 640 ×480 ×8 abdominal US images compression by means of wavelet algorithm. The 2nd CJKRT, 2006. 15 Jan. 2006, Taichung, Taiwan.
7.	MingChe Lee, ChengHsun Lin, ShiuLing Lee, ChiaI Lin, ChengPin Chou, KwoWhei Lee. To investigate the Coronary Arteries with Retrospectively ECG-gated Multi–Detector Row CT and select the Optimization Image Reconstruction Window. The 2nd CJKRT, 2006. 15 Jan. 2006, Taichung, Taiwan.
8.	ChengHsun Lin, Dong ChiauHuei, Liao YunChan. Diagnostic value of 64-slice CT angiography in coronary artery disease: A systematic review. The 5th Taiwan-Japan-Korea international joint conference of radiological technologists and the 40th annual meeting of ARTROC. 15 January 2007, Kaohsiung, Taiwan
9.	You-Chen Lin, ChengHsun Lin. Evaluation of MRI breast image quality with Apollo and JJ2000. The 5th Taiwan-Japan-Korea international joint conference of radiological technologists and the 40th annual meeting of ARTROC. 15 January 2007, Kaohsiung, Taiwan
10.	ShuFeng Pan, ChengHsun Lin. The optimal protocol evaluation for IMRT treatment planning by means of Taguchi method. The 5th Taiwan-Japan-Korea international joint conference of radiological technologists and the 40th annual meeting of ARTROC. 15 January 2007, Kaohsiung, Taiwan
11.	ShienChang Shen, ChengHsun Lin. The application of Stereolithography on radiology: an example of fabrication of female reproductive organs. The 7th International Joint Conference of KTJ Radiological Technologists and the 42nd Annual Meeting of Korean Radiological Technologists Association. 12 October 2007, Seoul Korea
12.	Chin-Yuan Lu, SuFen Pan, ChengHsun Lin. The Quality Assurance on Compressed MR Breast Image by Wavelet Algorithm. The 7th International Joint Conference of KTJ Radiological Technologists and the 42nd Annual Meeting of Korean Radiological Technologists Association. 12 October 2007, Seoul, Korea
13.	ChengHsun Lin, TzongJer Chen, YouCheng Lin. The Quality Evaluation of Medical Images by Using Grey Relational Coefficients. The 43rd Annual Meeting of Korean Radiological Technologists Association and the 10th East Asia Conference of Radiological Technologists. 10 October 2008, Seoul, Korea
14.	ShihChung Yang, BihHuei Hung, ChinYuan Lu, ChengHsun Lin. The blurry Medical Image Evaluated by using Objective Methods-Preliminary report. The 43rd Annual Meeting of Korean Radiological Technologists Association and the 10th East Asia Conference of Radiological Technologists. 10 October 2008, Seoul, Korea
15.	ChunHuei Chen, ChengHsun Lin. Image quality evaluation on compressed MR image by using objective and mathematical methods. The 42nd Annual Meeting of TWSRT and the 11th EASRT. 22 February 2009, Taipei, Taiwan
16.	Hung, Pi-Hui, Lin, ChengHsun, Chen, Tzong-Jer. The blurry medical image evaluated by using objective methods. The 25th East Asia Conference of Radiological Technologists. 5 June 2009, Kagoshima, Japan
17.	Lin ChengHsun, Lu Jin Yuan, Jhuang Jia Huei. Image processing for chest radiograph-a chest phantom study. The 18th East Asia Conference of Radiological Technologists. 2-4 Jul 2010. Tokyo, Japan
18.	HuiChen Wu, ChengHsun Lin, ChunYuan Du, WuDar Huang, FeiShish Yang. Dose reduction in digital mammography: Molybdenum versus Tungsten. The 18 Asia and Australasia Conference of Radiological Technologists. 25-27 March, 2011 Kaohsiung, Taiwan
19.	WeiLun Hsue, ChengHsun Lin. The evaluation of mammographic with RPLGD by mailing delivery. The 18 Asia and Australasia Conference of Radiological Technologists. 25-27 March, 2011 Kaohsiung, Taiwan
20.	HJ Chiang CH Lin The acoustic speed measurement of new sonographic phantoms. The 18th East Asia Conference of Radiological Technologists. 16-19 Sep 2011. Aomori Japan
21.	Lin ChengHsun The Radiographers educational system in Taiwan. 6-19 Sep 2011. Aomori Japan
22.	Hui-Chen Wu, Cheng-Hsun Lin, Wu-Ta Huang, Chn-Yen Shiu, Fei-Shish Yang. Tungsten target for dose reduction in digital mammography. The 18th East Asia Conference of Radiological Technologists. 16-19 Sep 2011. Aomori Japan
23.	Lin ChengHsun. Chest radiography dose reduction via image manipulation. 27th MSRC, 14-16 Sep, 2012. Kuching Sarawak, Malaysia.
24.	Samrit Kittipayak, Stenver Lin, Pan Lung-Kwan, Sun ZhongHua. The optimization of the SPECT image quality via Taguchi method. The 19th AACRT.16-18 January, 2013. ChiangMai, Thailand.
25.	Lin Chao-Ching , Wu Chih-Chun , Chiu Feng-Tsun , Liu Wei-Hsien , Hu Ching-Yun, Lin Cheng-Hsun. Is Radiology Department a Source of Nosocomial Infection site? 2013KRTA Annual Meeting & 20th EACRT. 9-10.May, 2013, Busan, Korea.

26.	YuTing Tung, ChengHsun Lin, ShenYuan Lee. Workplace violence involving radiographers and its relevant factors. The 21st East Asia Conference of Radiological Technologists. 19-21 Sep 2014. Oita Japan
27.	TingWan Hsu, ChengHsun Lin, ShenYuan Lee. The degree of degradation breast density on interval mammography. The 21st East Asia Conference of Radiological Technologists. 19-21 Sep 2014. Oita Japan
28.	Samrit Kittipayak ShihJyun Liu, PaiJung Chang, LungKwang Pan, ChengHsun Lin. The evaluation of biokinetic model for healthy patients' undergone NaF-18 PET/CT scan via MATLAB analysis. The 48th annual meeting of TWSRT and 22nd East Asia Conference of Radiological Technologists. 29 Mar 2015 Taipei, Taiwan
29.	ChienMing Chu, TzuTing Huang, ChiaChen Liang, ZongMing Yang, ChengHsun Lin. The fabrication and verification of multiple purpose of teaching apparatus for X-ray projection radiography theory. The 48th annual meeting of TWSRT and 22nd East Asia Conference of Radiological Technologists. 29 Mar 2015 Taipei, Taiwan
30.	Zhuang Boyan, WeiChen Lin, YangYi Chou, ShinYun Tu, ChengHsun Lin, ShinHua Wu. Mobile phone radiation detection and protective device fabrication. The 48th annual meeting of TWSRT and 22nd East Asia Conference of Radiological Technologists. 29 Mar 2015 Taipei, Taiwan
31.	Nguyen Hoang Vu, ChengHsun Lin. Dose reduction in direct digital chest radiography using additional aluminum filters. The 48th annual meeting of TWSRT and 22nd East Asia Conference of Radiological Technologists. 29 Mar 2015 Taipei, Taiwan
32.	李燊垣 林政勳 冠狀動脈夾角與班塊的初步研究.中華民國醫事放射學會第 49 次年會暨國際醫學影像學術研討會.中華民國 105 年 3 月 27 日,台中,台灣.
33.	黃世叡 林政勳 腦部電腦斷層壓縮及其影像品質保證.中華民國醫事放射學會第 49 次年會暨國際醫學影像學術研討會.中華民國 105 年 3 月 27 日,台中,台灣.
34.	黃德發 林政勳 以空間矩陣 TLD 佈點模式計量 X 光室經胸部攝影之空間劑量研究 第 12 屆醫學影像暨放射科學研討會，中華民國 106 年 9 月 30 日，高雄，臺灣
35.	Le Hai Hanh Tien, ChengHsun Lin, LungKwang Pan. Measurement of scatter radiation in 64-slice CT scan room. 第 12 屆醫學影像暨放射科學研討會，中華民國 106 年 9 月 30 日，高雄，臺灣
36.	吳新華、朱雪碧、黃德發、林政勳 胸部假體常規攝影 X 光是空間劑量研究. 第 13 屆醫學影像暨放射科學研討會，中華民國 107 年 9 月 29 日，台中，臺灣
37.	蕭郁潔、林政勳 以空間矩陣法探討透視攝影空間輻射劑量分佈第 51 屆中華民國醫事放射學會年會暨第 25 屆東亞國際學術大會，中華民國 107 年 3 月 10-11 日，嘉義，臺灣
38.	方蕙婷、林政勳、楊瓊瓔 研發可調節多角度 X 光攝影輔助架評估老人化膝關節病變 第 52 屆中華民國醫事放射學會年會，中華民國 108 年 3 月 9-10 日，台中，臺灣
39.	林政勳、吳昌諭、方沛仁、謝葦錚、鍾家妍、莊芝林 利用空間矩陣法探討 ERCP 立體劑量分佈情形.2020 年第 20 次中華民國醫事放射師公會全國聯合會學會年會暨國際學術大會，中華民國 109 年 11 月 8 日，臺中，臺灣
40.	林政勳、林佳臻、吳宣萱 應用自製醫學影像輔助創新臨床教學研究第 54 屆中華民國醫事放射學會年會，中華民國 2021 年 3 月 14 日，台北，臺灣
41.	林政勳、方沛仁、王琪欣、鍾家妍、呂昀蓁、吳昌諭、林冠誠 以 EVA 取代棉線的可行性評估 第 54 屆中華民國醫事放射學會年會，中華民國 110 年 3 月 14 日，台北，臺灣
42.	方沛仁 林政勳 呂昀真 林冠誠 利用 OSLD 探討腹部電腦斷層檢查時之距離劑量變化 第 55 屆中華民國醫事放射學會年會，中華民國 111 年 3 月 20 日，台中，臺灣
43.	Lin Cheng-Hsun, Li Yu-Ling, Hsu Yu-Hsin (2022) Immobilizer device for pediatric radiography and its structural rigidity validation 2022 conference on applications of innovation and invention. Taichung, Taiwan 2022.04.08
44.	方沛仁 林政勳 (2022) 探討腹部電腦斷層之空間劑量變化 110 學年度畢業生研究成果發表會 2022 年 5 月 27 日台灣
45.	林佳臻 林政勳 (2022) 應用 DOPS 與導入自製輔具提高學習能力 110 學年度畢業生研究成果發表會 2022 年 5 月 27 日台灣
46.	陳葦庭，張容甄，林政勳(2023)應用操作型技能直接觀察法評估移動醫療人才臨床能力 第 17 屆醫學影像暨放射科學國際研討會:AI 之融入與展望 2023.10.21 高雄醫學大學，台灣
47.	王昱元 許益瑋 洪昭賢 洪瑞斌 林政勳(2025)自製攝影輔具支架進行輪椅病人的胸腔 X 光可行性研究 第 18 屆醫學影像暨放射科學國際研討會 2025.6.28 新竹元培醫事科大
48.	許益瑋 陳品傑 洪瑞彬 林政勳(2025) 以 Ansys 模擬驗證自製腰椎攝影輔具結構剛性 第 58 次學會年會研討會 2025.03.15-16 台中市
49.	方沛仁 洪昭賢 林政勳(2025)自製多角度之萬象片架開發與應用 第 25 次全聯會學術研討會 2025.11.08 台北榮民總醫院
50.	洪昭賢王昱元 林政勳(2026)以 Ansys 模擬驗證自製下肢介入手術 PAD 攝影固定輔具結構剛性 第 58 次學會年會研討會 2026.03.21-22 高雄市
51.	蕭映蓉 林政勳 (2026)以「小侖琴盃」創新實作增進學習成效 第 58 次學會年會研討會 2026.03.21-22 高雄市

(C) Research Projects (2005-2024)

No.	Research	Title	Study period	Funding Body	Progress
1	Virtual Hospital in Central Taiwan University of Science and Technology	PI	2005/07/16-2007/12/15	Ministry of Education	Completed
2	International project with Curtin University Australia	PI	2007/03/01-2007/12/15	National Science Council	Completed
3	The blurry medical image evaluated by using objective methods	PI	2008/01/01-2008/12/31	Lin-Hsin General Hospital	Completed

4	Objective Structured Clinical Examination (OSCE) in Radiological Technology - Assessment of Performance in Diagnostic Ultrasound	PI	2008/08/01-2009/07/31	Taiwan Electrical Company	Completed
5	Optimization of imaging parameters in digital chest radiography: A comparison of computed radiography and direct radiography	PI	2009/05/01-2009/12/31	Support for Australian Academy of Science, Short-term Scientific visit	Completed
6	A Real-Time Monte Carlo System for Internal Dose Evaluation Using an Anthropomorphic Phantom with Different Shapes of Tumors Inserted (2/3)	PI	2010/11/01~2011/10/31	St. Martin De Porres Hospital	Completed
7	The evaluation of mammographic dosage with RPLGD by mailing delivery	PI	2011/09/01~2012/08/31	Bo-Jen General Hospital	Completed
8	The image quality evaluation by means of objective and subjective methods on delayed image reading	PI	2012/01/01~2012/12/31	Taichung Armed Forces General Hospital	Completed
9	The Study of Nosocomial Infection and Transmission by way of Diagnostic Imaging Facilities and Portable X-ray	PI	2012/07/01-2013/02/28	National Science Council	Completed
10	Dose reduction by using image manipulation technology	PI	2013/05/01-2014/04/30	PuLi Christian Hospital	Completed
11	3D printer-fabrication of fetal face by stereolithography	PI	2013/08/01-2014/07/31	ChiMei Medical Center	Completed
12	Workplace Violence—A Survey of Diagnostic Radiographers Working in Hospitals	PI	2013/07/01-2014/02/28	National Science Council	Completed
13	Workplace Violence—A different development countries survey of diagnostic radiographers working in hospitals	PI	2014/01/01-2014/12/31	Tungs' Taichung Metroharbour Hospital	Completed
14	Pilot study for mobile device radiation protective box designation	PI	2014/02/01-2015/1/31	ChengChing Hospital	Completed
15	Course introduction for radiographers to survey the decrease of workplace violence	PI	2014/07/01-2015/02/28	Ministry of Science and Technology	Completed
16	Optimization of dose reduction in chest digital radiography by additional filtration and simulation lesions	PI	2015/01/01-2015/12/31	ChangHua Christian General Hospital	Completed
17	Evaluation on Frequent application of computed radiography imaging plate and image quality by means of objective and subjective methods	PI	2015/03/01-2016/02/29	PuLi Christian Hospital	Completed
18	Coronary CT angiography measurements of left bifurcation angle: investigation of relationship among plaque location, risk factors and coronary artery disease	PI	2016/08/01-2017/07/31	Tungs' Taichung Metroharbour Hospital	Completed
19	Radiation dosimetry for diagnostic medical exposures with TLD array arrangement	PI	2016/08/01-2017/07/31	ChengChing Hospital	Completed
20	Fabrication of multi-angle and adjustable knee joint radiographic support to evaluate knee diseases	PI	2017/01/01-2017/07/31	ChangHua Christian General Hospital	Completed
21	Evaluation of radiation dose distribution on 64-Slice CT	Co-PI	2017/01/01-2017/12/31	FengYuan hospital	Completed
22	Developing a multidirectional support for emergency radiography	PI	2017/08/01-2018/07/31	Tungs' Taichung Metroharbour Hospital	Completed
23	Evaluation of radiation dose distribution on Fluoroscopy	Co-PI	2018/01/01-2018/12/31	FengYuan hospital	Completed
24	Laiology study for PeiTun citizens	PI	2019/05/01-2019/12/31	Lai associations	Completed
25	Quality teaching improvement research by introducing self-made teaching assisted tools with DOPS evaluations	PI	2019/08/01-2020/07/31	Ministry of Education	Completed
26	Using spatial matrix method to explore the stereo dose distribution of ERCP fluoroscopy	PI	2019/08/01-2020/07/31	Jen-Ai Hospital	Completed
27	The improvement competences for a teacher and students with new OSLD to detect CT dosage	PI	2020/08/01-2021/07/31	Ministry of Education	Completed
28	The minimum dose is detected by OSLD on CT	PI	2020/08/01-2021/07/31	ChengChing Hospital	Completed

29	Immobilization device for pediatric radiography	PI	2021/01/01-2021/12/31	Tungs' Taichung Metroharbour Hospital	Completed
30	Radiation survey for portable x-ray radiography by using OSLD detection	PI	2021/08/01-2022/07/31	ChengChing Hospital	Completed
31	Student competence cultivation for new virus pandemic by mobile x-ray	PI	2021/08/01-2022/07/31	Ministry of NSC	Completed
32	The Impact of Innovative Technology-Enhanced Practical Teaching on Learning Effectiveness	PI	2023/01/01-2023/12/31	CTUST research fund	Completed
33	Facilitate learning efficiency by conducting a Roentgen cup competition	PI	2024/08/01-2025/07/31	Ministry of Education	Completed
34	Innovation and validation of a self-made DR protective device for cross-table radiography	PI	2024/08/01-2025/07/31	ChengChing Hospital	Completed
35	以資訊圖表增進醫放系專科部學生醫學英文的學習成效	PI	2025/08/01-2026/07/31	Ministry of Education	Conducting
36	自製 PAD 固定板對介入手術的評估及安全測試研究	PI	2026/01/01-2026/12/31	ChengChing Hospital	Conducting

(D) 研發成果智慧財產權及其應用績效

（1）專利 請填入目前仍有效之專利。「類別」請填入代碼：(A)發明專利(B)新型專利(C)新式樣專利。

No.	類別	專利名稱	國別	專利號碼	發明人	專利權人	專利期間
1	B	斷層掃描三維實體模型重建裝置	台灣	新型第 M432874 號	**林政勳**、邱靖華、張世沛	中臺科技大學	2012.07.01-2022.02.13
2	B	影像造影板之輔助架結構	台灣	新型第 M450039 號	**林政勳**、呂錦源	中臺科技大學	2013.04.01-2022.11.13
3	B	多工幾何投影輔助立體結構改進教學裝置	台灣	新型第 M509954 號	**林政勳**、朱建銘、梁家臻、黃紫婷	中臺科技大學	2015/10/1-2025/4/14
4	B	手持行動裝置輻射偵測及防護盒體	台灣	新型第 M510042 號	**林政勳**、吳新華、莊柏彥、林瑋辰、周坱蕙、涂詩昀	中臺科技大學	2015/10/1-2025/5/17
5	A	可調節式膝關節 X 光攝影輔助架	台灣	發明第 I781681 號	**林政勳**、廖瓊櫻	中臺科技大學	2022/10/21-2041/07/07
6	A	造影板輔助架及配設有顯影板之造影板輔助架	台灣	發明第 I689287 號	**林政勳**、何俊泓、蕭郁潔	中臺科技大學	2020/04/01-2039/01/18
7	B	自製輔助嬰幼兒約束架	台灣	新型第 M617734 號	**林政勳**、許鈺欣、方沛仁、林佳臻	中臺科技大學	2021/04/01-2040/01/18
8	A	X 光輔助架及其智能控制系統	台灣	發明第 I828591 號	**林政勳**、張泰裕、陳品潔、曾俊碩	中臺科技大學 劉金明	2024/01/01-2043/05/29

Last updated 2026/03/06