

Publication List

2024

Cancer Research

Magnetic Resonance with Radiotherapy

1. Dornisch AM, Zhong AY, Poon DMC, Tree AC, Seibert TM. “Focal radiotherapy boost to MR-visible tumor for prostate cancer: a systematic review” *World Journal of Urology*, 2024, Vol. 42(1): 56.
2. Law MW, Tse MY, Ho LC, Lau KK, Wong OL, Yuan J, Cheung KY, Yu SK. “A study of Bayesian deep network uncertainty and its application to synthetic CT generation for MR-only radiotherapy treatment planning” *Medical Physics*, 2024, Vol. 51(2): 1244-1262.
3. Poon DMC, Yuan J, Wong OL, Yang B, Tse MY, Lau KK, Chiu ST, Chiu PK, Ng CF, Chui KL, Kwong YM, Ma WK, Cheung KY, Chiu G, Yu SK. “One-year clinical outcomes of MR-guided stereotactic body radiation therapy with rectal spacer for patients with localized prostate cancer” *World Journal of Urology*, 2024, Vol. 42(1): 97.
4. Wong OL, Yuan J, Poon DMC, Chiu ST, Yang B, Chiu G, Yu SK, Cheung KY. “Prostate diffusion-weighted imaging (DWI) in MR-guided radiotherapy: Reproducibility assessment on 1.5 T MR-Linac and 1.5 T MR-simulator” *Magnetic Resonance Imaging*, 2024, Vol. 111: 47-56.

Magnetic Resonance Imaging

5. Xue C, Yuan J, Lo GG, Poon DMC, Chu WCW. “Computational analysis of variability and uncertainty in the clinical reference on magnetic resonance imaging radiomics: modelling and performance” *Visual Computing for Industry, Biomedicine, and Art*, 2024, Vol. 7(1): 28.

- Ye Y, Zhang N, Wu D, Huang B, Cai X, Ruan X, Chen L, Huang K, Li ZP, Wu PM, Jiang J, Dan G, Peng Z. "Deep Learning Combined with Radiologist's Intervention Achieves Accurate Segmentation of Hepatocellular Carcinoma in Dual-Phase Magnetic Resonance Images" *BioMed Research International*, 2024, 9267554

Radiotherapy

- Poon HM, Chiu TL, Yu SK. "Investigation on the accuracy of field widths and the quantitative relationship with energy variations for dynamic jaws helical tomotherapy" *Journal of Applied Clinical Medical Physics*, 2024, Vol. 25(4): e14251.
- Wong TLJ, Teng X, Leung W, Cai J. "MULTI-modal radiomics to predict early treatment response from PSA (prostate specific antigen) decline in prostate cancer patients under stereotactic body radiotherapy in MR-Linac" *Journal of Radiation Research and Applied Sciences*, 2024, Vol. 17(2): 100841.

Nuclear Medicine and Positron Emission Tomography

- Choi MCY, Law THP, Chen S, Cheung WSK, Yim C, Ng OKS, Au LWC, Mok VCT, Woo PYM. "Case Report: Taxifolin for neurosurgery-associated early-onset cerebral amyloid angiopathy" *frontiers in Neurology*, 2024, Vol. 15: 1360705.
- Soeterik TFW et al. (Wu KK) "The association of quantitative PSMA PET parameters with pathologic ISUP grade: an international multicenter analysis" *European Journal of Nuclear Medicine and Molecular Imaging*, 2024, Vol. 52(1): 314-325.

Computed Tomography

- Ma Z, Zhang J, Liu X, Teng X, Huang YH, Zhang X, Li J, Pan Y, Sun J, Dong Y, Li T, Chan LWC, Chang ATY, Siu SWK, Cheung AL, Yang R, Cai J. "Comparative Analysis of Repeatability in CT Radiomics and Dosiomics Features under Image Perturbation: A Study in Cervical Cancer Patients" *cancers (Basel)*, 2024, Vol. 16(16): 2872.

Bladder Cancer

12. Kikuchi E, Ng CF, Kitamura H, Ku JH, Lee LS, Lin TP, Ng JYS, Nishiyama H, Poon DM, Kanesvaran R, Seo HK, Spiteri C, Tan EM, Tsai YS, Tran B. “Controversies in terminology associated with management of BCG-unresponsive NMIBC in Asia-Pacific” *International Journal of Urology*, 2024, Vol. 31(1): 32-38.
13. Ku JH, Lee LS, Lin TP, Kikuchi E, Kitamura H, Ng CF, Ng JYS, Poon DM, Kanesvaran R, Seo HK, Spiteri C, Tan EM, Tran B, Tsai YS, Nishiyama H. “Risk stratification and management of non-muscle-invasive bladder cancer: A physician survey in six Asia-Pacific territories” *International Journal of Urology*, 2024, Vol. 31(1): 64-71.
14. Poon DMC, Ho LY, Kwong YM. “Avelumab maintenance therapy for node-positive muscle invasive bladder cancer: a report of two cases” *frontiers in Oncology*, 2024, Vol. 14: 1397738.

Breast Cancer

15. Cheung BHH, Co M, Lui TTN, Kwong A. “Evolution of localization methods for non-palpable breast lesions: a literature review from a translational medicine perspective” *Translational Breast Cancer Research*, 2024, Vol. 5: 12.
16. Kwong A, Ho CYS, Au CH, Ma ESK. “Double Heterozygosity for Germline Mutations in Chinese Breast Cancer Patients” *Cancers (Basel)*, 2024, Vol. 16(14): 2547.
17. Kwong A, Ho CYS, Au CH, Tey SK, Ma ESK. “Germline RAD51C and RAD51D Mutations in High-Risk Chinese Breast and/or Ovarian Cancer Patients and Families” *Journal of Personalized Medicine*, 2024, Vol. 14(8): 866.
18. Kwong A, Ho CYS, Leung HCM, Leung AWS, Au CH, Ma ESK. “Mutation Spectrum Comparison between Benign Breast Lesion Cohort, Unselected Cancer Cohort and High-Risk Breast Cancer Cohort” *Cancers (Basel)*, 2024, Vol. 16(17): 3066.

19. O'Driscoll J et al (Kwong A) "Reproductive factors and mammographic density within the International Consortium of Mammographic Density: A cross-sectional study" *Breast Cancer Research*, 2024, Vol. 26(1): 139.

Hematology

20. Chan WYK, Fu NW, Fu ECH, Liu APY, Yan CLS, Yau JPW, Ku DTL, Lee PPW, Cheuk DKL, Shing MMK, Chan GCF, Leung W. "Autologous hematopoietic stem cell transplantation followed by quadruple immunotherapy with dinutuximab beta, sargramostim, aldesleukin, and spironolactone for relapsed metastatic retinoblastoma" *Pediatric Blood & Cancer*, 2024, Vol. 71(7): e31044.
21. Fu W, Bang SM, Huang H, Kim K, Li W, An G, Lee JJ, Cai Z, Jin J, Wang Y, Chim CS, Carson R, Liu R, Zhao M, Chen X, Cui C, Hou J, Wang J. "Correction to: Daratumumab, bortezomib, melphalan, and prednisone versus bortezomib, melphalan, and prednisone alone in transplant-ineligible Asian patients with newly diagnosed multiple myeloma: final analysis of the phase 3 OCTANS study" *Annals of Hematology*, 2024, Vol. 103(11): 4835-4836.
22. Ip BBK, Wong ATC, Law JHY, Au CH, Ma SY, Chim JCS, Liang RHS, Leung AYH, Wan TSK, Ma ESK. "Application of droplet digital PCR in minimal residual disease monitoring of rare fusion transcripts and mutations in haematological malignancies" *scientific reports*, 2024, Vol. 14(1): 6400
23. Lam SSY, Tsui SP, Fung CY, Saw NY, Javed A, Ip AHW, Ma ESK, Leung AYH. "Distinct karyotypic and mutational landscape in trisomy AML" *British Journal of Haematology*, 2024, Vol. 204(3): 939-944.
24. Leung AYH, Ma ESK. *Haematology and the Asian Patient: 51 Clinical Cases*, 1st edition, published by CRC Press.
25. Sarathkumara YD et al (Liang R) "A proteome-wide analysis unveils a core Epstein-Barr virus antibody signature of classic Hodgkin lymphoma across ethnically diverse populations" *International Journal of Cancer*, 2024, Vol. 155(8): 1476-1486.

26. Tang HKK, Fung CY, Hwang YY, Lee H, Lau G, Yip SF, Kho B, Lau CK, Leung KH, Au E, Tse E, Sim J, Kwong YL, Chim CS. “Prognostic factors in 448 newly diagnosed multiple myeloma receiving bortezomib-based induction: impact of ASCT, transplant refusal and high-risk MM” *Bone Marrow Transplantation*, 2024, Vol. 59(5): 660-669.

Liver Cancer

27. Lau G et al. (Fan ST) “APASL clinical practice guidelines on systemic therapy for hepatocellular carcinoma-2024” *Hepatology International*, 2024, Vol. 18(6): 1661-1683.

Lung Cancer

28. Chan YH, Cheng YT, Sin CF, Ma ESK, Lam STS, Au Yeung SL, Cheung BMY, Ho CM, Yiu KH, Tse HF. “Treatment with trimetazidine dihydrochloride and lung cancer survival: Implications on metabolic re-programming” *Lung Cancer*, 2024, Vol. 197: 107996.

Prostate Cancer

29. Lam BHW, Tsang VHM, Lee MP, Chan K, Liu TC, Ng BYH, Wo BBW, Leung KC, Mui WH, Chan TW, Lam MHC, Siu SWK, Poon DMC. “A territory-wide real-world efficacy and toxicity analysis of abiraterone acetate versus docetaxel in 574 Asian patients with metastatic hormone-sensitive prostate cancer” *Clinical Genitourinary Cancer*, 2024, Vol. 22(1): e75-e81.e1
30. Nicoletti R et al (Poon DMC) “Functional outcomes and safety of focal therapy for prostate cancer: a systematic review on results and patient-reported outcome measures (PROMs)” *Prostate Cancer and Prostatic Diseases*, 2024, Vol. 27(4): 614-622.
31. Nicoletti R et al (Poon DMC) “Oncological results and cancer control definition in focal therapy for Prostate Cancer: a systematic review” *Prostate Cancer and Prostatic Diseases*, 2024, Vol. 27(4): 623-634.
32. Poon DMC, Tan GM, Chan K, Chan MTY, Chan TW, Kan RWM, Lam MHC, Leung CLH, Wong KCW, Kam KKH, Ng CF, Chiu PKF. “Addressing the risk

and management of cardiometabolic complications in prostate cancer patients on androgen deprivation therapy and androgen receptor axis-targeted therapy: consensus statements from the Hong Kong Urological Association and the Hong Kong Society of Uro-Oncology” *frontiers in Oncology*, 2024, Vol. 14: 1345322.

Cancer Genetics

33. Li CY, Liu APY, Mo S, Ambe PC, Chen JL, Chan GCF. “Germline mismatch repair gene mutations in children with tumors: a case series from two centers” *Translational Pediatrics*, 2024, Vol. 13(10): 1810-1819.

Medical Research

Allergy

34. Feldman SR, Chan AWM, Ammourey A, Zhang J, Tanaka A, Shi X, Cha A, Tran H. “Patients' and caregivers' perspectives of the atopic dermatitis journey” *Journal of Dermatological Treatment*, 2024, Vol. 35(1): 2315145.
35. Maspero J et al. (Chan AWM). ‘Corrigendum to “Epidemiology of adult patients with atopic dermatitis in AWARE 1: A second international survey” [World Allergy Organ J 16 (3) (2023) 100724]’ *World Allergy Organization Journal*, 2024, Vol. 17(11): 100966
36. Tam IYS, Lee TH, Lau HYA, Tam SY. “Combinatorial Genomic Biomarkers Associated with High Response in IgE-Dependent Degranulation in Human Mast Cells” *cells*, 2024, Vol. 13(15): 1237

Cardiology

37. Chau EMC. “Refractory Ventricular Fibrillation with Underlying Coronary Artery Disease after COVID-19 Vaccine-Kounis Syndrome or Coincidence” *Case Reports in Clinical Medicine*, 2024, Vol. 13(8): 309-314.

38. Chau EMC, Wong CYH, Liang RHS. "IgG4 Coronary Arteritis Presenting as a Cardiac Pseudo-Tumour" *Case Reports in Clinical Medicine*, 2024, Vol. 13(9): 345-352.
39. Chong EYS, Wang H, Leung KHG, Kim P, Tada Y, Sin TH, Wong CK, Chan KYE, Tam CCF, Benovoy M, Arai AE, Goh V, Janich MA, Patel AR, Ng MY. "Comparison of dual-bolus versus dual-sequence techniques for determining myocardial blood flow and myocardial perfusion reserve by cardiac magnetic resonance stress perfusion: From the Automated Quantitative analysis of myocardial perfusion cardiac Magnetic Resonance Consortium" *Journal of Cardiovascular Magnetic Resonance*, 2024, Vol. 26(2): 101085.
40. Tsang HW, Kwan MYW, Chua GT, Tsao SSL, Wong JSC, Tung KTS, Chan GCF, To KKW, Wong ICK, Leung WH, Ip P. "The central role of natural killer cells in mediating acute myocarditis after mRNA COVID-19 vaccination" *Med*, 2024, Vol. 5(4): 335-347.e3
41. Wang S et al (Goh V) "Myocardial Blood Flow Quantification Using Stress Cardiac Magnetic Resonance Improves Detection of Coronary Artery Disease" *JACC Cardiovascular Imaging*, 2024, Vol. 17(12): 1428-1441

Geriatric Medicine

42. Lee JK et al. (Leung E) "Survey of awareness and attitudes to the management of fragility fractures among the membership of the Asia Pacific Orthopaedic Association" *Archives of Osteoporosis*, 2024, Vol. 19(1): 24.

Mental Health

43. Chow EHY, Tiwari A. "Perceptions of abused Chinese women on community-based participatory approach programme in addressing their needs" *International Journal of Qualitative Studies in Health and Well-being*, 2024, Vol. 19(1): 2331107.
44. Chu AMY, Chan LSH, Chang SSY, Tiwari A, Yuk H, So MKP. "Applications of Bayesian networks in assessing the effects of family resilience on caregiver behavioral problems, depressive symptoms, and burdens" *Journal of Computational Social Science*, 2024, Vol. 7(2): 1275-1303.

45. Chu AMY, Tsang JTY, Tiwari A, Yuk H, So MKP. "Child-friendly family reduces parenting stress in Chinese families: the mediating role of family resilience" *frontiers in Psychology*, 2024, Vol. 15: 1430005.

Ophthalmology

46. Chan WCF, Zhu MM, Choy BNK, Chan JCH, Ng ALK, Shih KC, Cheung JJC, Wong JKW, Shum JWH, Ni MY, Lai JSM, Leung GM, Wong IYH. "Contribution of systemic factors on macular vessel density: a sex-specific population-based study" *Japanese Journal of Ophthalmology*, 2024, Vol. 68(3): 174-182.
47. Chang JSM, Liu SCT, Ma NTC, Ng JCM. "Comparative Analysis of Tolerance to Experimentally Induced Astigmatism with Three Types of Multifocal Intraocular Lenses" *Clinical Ophthalmology*, 2024, Vol. 18: 139-149.
48. Chen DF, Wang C, Si Y, Lu X, Zhou W, Huang Q, Zuo J, Cheng G, Leung DYL, Wang N, Friedman DS, Liang Y. "Natural History and Risk Factors for Glaucoma Progression in Chinese Patients With Normal-Tension Glaucoma" *investigative ophthalmology & visual science*, 2024, Vol. 65(3): 28.
49. Chen DF, Wang C, Zhou W, Si Y, Chu X, Hu C, Shang X, Wang X, Zuo J, Huang Q, Lu X, Cheng G, Leung DYL, Liang Y. "Progressive peripapillary capillary vessel density loss and long-term visual field progression in Normal tension glaucoma" *Acta Ophthalmologica*, 2024, Vol. 102(5): e746-e753.
50. Lai KKH et al. (Cheng ACO) "Systemic Involvement in Immunoglobulin G4-Related Ophthalmic Disease" *Ocular Immunology and Inflammation*, 2024, Vol. 32(8): 1852-1858.
51. Lai KKH, Kuk AKT, Cheng ACO, Kwong CH, Li KKW, Lam WPF, Yuen HKL, Chong KKL. "Corneal endothelial evaluations in immunoglobulin g4-related ophthalmic disease" *Clinical & Experimental Ophthalmology*, 2024, Vol. 52(6): 686-688
52. Lai KKH, Liao X, Aljufairi FMAA, Sebastian JU, Ma A, Man Wong Y, Lam Lee C, Chen W, Hu Z, Cheng GPM, Tham CC, Pang CP, Chong KKL.

“Ocular surface and meibomian gland evaluation in euthyroid Graves' ophthalmopathy” *International Ophthalmology*, 2024, Vol. 44(1): 124

53. Li M, Wei R, Qin B, Chang JSM, Zhou X. “Long-term results of allogenic corneal lenticule of hyperopic SMILE for post-LASIK ectasia” *iScience*, 2024, Vol. 27(9): 110689.
54. Teo KYC, Park KH, Ngah NF, Chen SJ, Ruamviboonsuk P, Mori R, Kondo N, Lee WK, Rajagopalan R, Obata R, Wong IYH, Chee C, Terasaki H, Sekiryu T, Chen SC, Yanagi Y, Honda S, Lai TYY, Cheung CMG. “Six-Year Outcomes in Subjects with Polypoidal Choroidal Vasculopathy in the EVEREST II Study” *Ophthalmology and Therapy*, 2024, Vol. 13(4): 935-954.
55. Xue CC et al. (Wong IY) “Is Kidney Function Associated with Age-Related Macular Degeneration?: Findings from the Asian Eye Epidemiology Consortium” *Ophthalmology*, 2024, Vol. 131(6): 692-699.

Paediatrics

56. Jiang RM et al (Ng DK) “Diagnosis, treatment and prevention of severe acute respiratory syndrome coronavirus 2 infection in children: experts' consensus statement updated for the Omicron variant” *World Journal of Pediatrics*, 2024, Vol. 20(3): 272-286.

Pain Management

57. Leung H, Ip JWY, Lam JMK, Lee GKW, Li CCF, Li R, Mok V, Tsoi TH, Wong CP, Wong SHS, Chang CM, Freynhagen R. “Validation and cultural adaption of the neuropathic pain screening questionnaire painDETECT in Chinese” *Exploration of Neuroscience*, 2024, Vol. 3: 219-230.
58. Tsui FPY, Wong SSC, Chan TCW, Lee Y, Cheung CW. “A validation study of the Cantonese Chinese version of short form McGill pain questionnaire 2 in Cantonese-speaking patients with chronic pain in Hong Kong” *Pain Practice*, 2024, Vol. 24(3): 449-457.
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Kaiso-P2X7 Receptor Axis-Induced Inflammation to Alleviate Neuropathic Pain in Rats” *Annals of Neurology*, 2024, Vol. 95(5): 966-983.

Pathology

60. Chan WS, Ho CW, Chan TC, Hung J, To MY, Leung SM, Lai KC, Wong CY, Leung CP, Au CH, Wan TS, Zee JS, Ma ES, Tang BS. “Clinical Evaluation of the BIOFIRE SPOTFIRE Respiratory Panel” *Viruses*, 2024, Vol. 16(4): 600.
61. Chan WS, Wong KP, Yau SK, Wong CY, Chan TC, Hung J, Lai KT, Leung CP, Wang CL, Au CH, Wan TS, Ma ES, Tang BS. “Clinical Evaluation of Xpert Xpress CoV-2/Flu/RSV plus and Alinity m Resp-4-Plex Assay” *Diagnostics (Basel)*, 2024, Vol. 14(7): 683.
62. Wan TS, Ma ES. “Chromosome Bandings and Recognition” *Cancer Cytogenetics and Cytogenomics: Methods and Protocols*, edited by Jing Christine Ye and Henry H. Heng, published by Humana New York, NY

Rheumatology

63. Lee A, Kong KO, Chew LC, Ikeda K, Abogamal A, Balint PV, Harifi G, Khurshid MA, Lai KL, Lee KG, Wakefield RJ, Dasgupta B. “Enhancing rheumatology training: The POCRUS model for integrating ultrasound into clinical practice. (From APLAR imaging SIG)” *International Journal of Rheumatic Diseases*, 2024, Vol. 27(6): e15225.
64. Mok CC, So H, Yim CW, To CH, Lao WN, Wong SPY, Ng HY, Lee JMY, Lee PML, Ying SKY, Leung MH, Ho CTK. “Safety of the JAK and TNF inhibitors in rheumatoid arthritis: real world data from the Hong Kong Biologics Registry” *Rheumatology (Oxford)*, 2024, Vol. 63(2): 358-365.

Spinal Cord

65. Chen YL, Feng XL, Tam KW, Fan CY, Cheung MP, Yang YT, Wong S, Shum DK, Chan YS, Cheung CW, Cheung M, Liu JA. “Intrinsic and extrinsic actions of human neural progenitors with SUFU inhibition promote tissue repair and functional recovery from severe spinal cord injury” *npj Regenerative Medicine*, 2024, Vol. 9(1): 13.

66. Wang G, Luk KD, Li Y, Zhang C, Sun J. “Clinical and radiological outcomes of selective fusion for rotatoryolisthesis in degenerative lumbar scoliosis: a retrospective cohort study” *Asian Spine Journal*, 2024, Vol. 18(3): 346-353.

Surgery

67. Liu SYW, Lai CMS, Ng EKW, Chan FSY, Leung SK, Mui WLM, Tong DKH, Wong DCT, Yam PPC, Wong SKH. “Recommendations for eligibility criteria concerning bariatric and metabolic surgical and endoscopic procedures for obese Hong Kong adults 2024: Hong Kong Society for Metabolic and Bariatric Surgery Position Statement” *Hong Kong Medical Journal*, 2024, Vol. 30(3): 233-240.
68. Yang G, Tung KLM, Tumtavitikul S, Li MKW. “A new groin hernia classification with clinical relevance” *Hernia*, 2024, Vol. 28(4): 1169-1179.

Vaccination

69. Kwan MYW, Chong PCY, Chua GT, Ho MHK, Poon LC. “Maternal vaccination: a promising preventive strategy to protect infants from respiratory syncytial virus” *Hong Kong Medical Journal*, 2024, Vol. 30(4): 264-267

Conference Presentation

International Society for Magnetic Resonance in Medicine (ISMRM) & International Society for MR Radiographers & Technologists (ISMRT) Annual Meeting & Exhibition, 2024

Oral Presentation

70. Wong OL, Yuan J, Poon DMC, Chiu ST, Yang B, Xue C, Chiu G, Cheung KY. “Longitudinal ADC changes in prostate cancer patients treated with hypofractionated radiotherapy with 1.5T MR-Linac” *ISMRM & ISMRT Annual Meeting & Exhibition, 2024*, Singapore, 4-9 May 2024
71. Xue C, Yuan J, Poon DMC, Lo GG, Yang B, Wong OL. “Predicting online plan adaptation strategy using radiomics in MR-guided radiotherapy of localized prostate cancer” *ISMRM & ISMRT Annual Meeting & Exhibition, 2024*, Singapore, 4-9 May 2024

The Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, 2024

Oral Presentation

72. Shih KC, Hung KW, Lau KP, Yip WM, Lee A, Fong A, Fung N, Wong IYH, Leung CKS. “Deep Learning Automated Diagnosis and Grading of Cataracts using Colour Fundus Images: The Fundus Cataract-AI Project” *The Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, 2024*, Seattle, 5-9 May 2024. Also appeared on *investigative ophthalmology & visual science, 2024*, Vol. 65(7): 5950.

American Society of Clinical Oncology (ASCO) Annual Meeting, 2024

Poster Presentation

73. Yeo W, Chan YHY, Leung RCY, Chan SWW, Chow LCY, Foo W, Fung S, Kwok C, Lau SHY, Leung A, Ng TY, Tsang J, Wong I, Yau CC, Yuen HY, Cheung PSY. “Evidence-based Review on the Effectiveness of Proton Re-irradiation for Pelvic malignancies Expert consensus recommendations on

the daily clinical use of pembrolizumab for early triple-negative breast cancer” *ASCO Annual Meeting*, 2024, Chicago, IL, 31 May - 4 June, 2024. Also appeared on *Journal of Clinical Oncology*, 2024, Vol. 42(16, suppl): e12521.

European Alliance of Associations for Rheumatology (EULAR) European Congress of Rheumatology, 2024

Poster Presentation

74. Lee A, Chew LC, Abogamal A, Balint P, Harifi G, Ikeda K, Khurshid M, Kong KO, Lai KL, Lee KWG, Wakefield RJ, Dasgupta B. “AB1459 SCENARIO-BASED POINT OF CARE RHEUMATOLOGY ULTRASOUND (POCRUS): A REPORT FROM THE APLAR ONLINE COURSE (2022-2023)” *EULAR European Congress of Rheumatology*, 2024, Vienna, Austria, 12-15 June 2024. Also appeared on *Annals of the Rheumatic Diseases*, 2024, Vol. 83(Suppl 1): 2091.

European Human Genetics Conference, 2024

Poster Presentation

75. Kwong A, Au CH, Ho DN, Wong EYL, Leung HCM, Leung AWS, Law JHY, Law FBF, Tey SK, Ho CYS, Ma ESK. “Germline long insertions in BRCA1/PALB2 exon revealed by PCR-free short-read and long-read whole-genome sequencing” *European Human Genetics Conference*, 2024, Berlin, Germany / online, 1-4 June 2024

European Society for Radiotherapy and Oncology (ESTRO) congress, 2024

Oral Presentation

76. Chiu ST, Wong YS, Chan YY, Lee MC. “Comparing different institutional setups for prostate cancer in proton therapy” *ESTRO Annual Congress*, 2024, Glasgow, UK, 3-7 May 2024. Also appeared on *Journal of the European Society for Radiotherapy and Oncology*, 2024, Vol. 194(Suppl 1): S5518.
77. Poon DMC, Yuan J, Wong OL, Yang B, Chiu ST, Chiu G, Cheung KY, Yu SK. “Preliminary Outcomes of Hypofractionated Post-Prostatectomy 1.5T MR-guided Salvage Radiotherapy” *ESTRO Annual Congress*, 2024, Glasgow,

UK, 3-7 May 2024. Also appeared on *Journal of the European Society for Radiotherapy and Oncology*, 2024, Vol. 194(Suppl 1): S2362.

Poster Presentation

78. Chang ATY, Yang B, Wong JT. “Clinical experience of Adaptive Radiotherapy using MR-Linac or Tomotherapy for Gynecological Cancers” *ESTRO Annual Congress*, 2024, Glasgow, UK, 3-7 May 2024. Also appeared on *Journal of the European Society for Radiotherapy and Oncology*, 2024, Vol. 194(Suppl 1): S1095.
79. Chiu TL, Fok TC, Yip NKW, Yeung FK, Cheung CW, Yu SK. “Prediction accuracy of lung tumor stereotactic body radiotherapy using Cyberknife Synchrony tracking” *ESTRO Annual Congress*, 2024, Glasgow, UK, 3-7 May 2024. Also appeared on *Journal of the European Society for Radiotherapy and Oncology*, 2024, Vol. 194(Suppl 1): S4140.
80. Huang CY, Yung FSP, Lau KK, Nam PH, Lam WW, Geng H, Cheung KY, Yu SK, Yang B. “Evaluating image quality improvement in kVCT through Radixact TDC upgrade for adaptive radiotherapy” *ESTRO Annual Congress*, 2024, Glasgow, UK, 3-7 May 2024. Also appeared on *Journal of the European Society for Radiotherapy and Oncology*, 2024, Vol. 194(Suppl 1): S3862.
81. Nam PH, Yang B, Law MWK, Cheung KY, Yu SK. “An in-house machine log-based tool for monitoring MLC positional errors in online treatment” *ESTRO Annual Congress*, 2024, Glasgow, UK, 3-7 May 2024. Also appeared on *Journal of the European Society for Radiotherapy and Oncology*, 2024, Vol. 194(Suppl 1): S4746.
82. Poon DMC, Yuan J, Wong OL, Yang B, Chiu ST, Chiu G, Cheung KY, Yu SK. “MR-guided SBRT in Synchronous Oligometastatic Prostate Cancer: Toxicity and Preliminary Outcomes” *ESTRO Annual Congress*, 2024, Glasgow, UK, 3-7 May 2024. Also appeared on *Journal of the European Society for Radiotherapy and Oncology*, 2024, Vol. 194(Suppl 1): S2365.

83. Poon DMC, Yuan J, Wong OL, Yang B, Chiu ST, Chiu G, Cheung KY, Yu SK. “Post-prostatectomy Radiotherapy with MR-LINAC: Feasibility, Safety and Preliminary clinical outcome” *ESTRO Annual Congress*, 2024, Glasgow, UK, 3-7 May 2024. Also appeared on *Journal of the European Society for Radiotherapy and Oncology*, 2024, Vol. 194(Suppl 1): S2360.
84. Wong OL, Yuan J, Poon DMC, Chiu ST, Yang B, Xue C, Chiu G, Cheung KY. “Inter-scanner ADC reproducibility on prostate cancer patients: 1.5T MR-Linac vs 1.5T MR-simulator” *ESTRO Annual Congress*, 2024, Glasgow, UK, 3-7 May 2024. Also appeared on *Journal of the European Society for Radiotherapy and Oncology*, 2024, Vol. 194(Suppl 1): S2331.
85. Wong WS, Chiu TL, Yu SK. “Dosimetric Comparison of Monte Carlo and FSPB Algorithm for MLC-Cyberknife Lung and Brain Cases” *ESTRO Annual Congress*, 2024, Glasgow, UK, 3-7 May 2024. Also appeared on *Journal of the European Society for Radiotherapy and Oncology*, 2024, Vol. 194(Suppl 1): S1830.
86. Xue C, Wong OL, Liu CW, Lee R, Lo GG. “Delineation variability on deep-learning-based super-resolution T1w TSE images on Head-and-neck patients using 1.5T MR scanner” *ESTRO Annual Congress*, 2024, Glasgow, UK, 3-7 May 2024. Also appeared on *Journal of the European Society for Radiotherapy and Oncology*, 2024, Vol. 194(Suppl 1): S1379.
87. Yang B, Tse MY, Wang JR, Yuan J, Hung ST, Chan WK, Wong YS, Cheung KY, Yu SK. “Comparative Evaluation of 4DCT and 3D T1/T2w MRI in Delineation of Moving Target: A Phantom Study” *ESTRO Annual Congress*, 2024, Glasgow, UK, 3-7 May 2024. Also appeared on *Journal of the European Society for Radiotherapy and Oncology*, 2024, Vol. 194(Suppl 1): S3889.
88. Yang W, Don X, Wang Z, Cao H, Li Z, Sun Q, Wang H, Zhu Y, Liang D, Zhou Y. “Multimodality radiomics boosts precise online risk stratification in prostate cancer radiotherapy” *ESTRO Annual Congress*, 2024, Glasgow, UK, 3-7 May 2024. Also appeared on *Journal of the European Society for Radiotherapy and Oncology*, 2024, Vol. 194(Suppl 1): S5045.

89. Yeung FK, Cheung CW, Chiu TL, Yu SK. "Evaluation of treatment planning technique on metallic implant in Radixact® using Monte Carlo Method" *ESTRO Annual Congress, 2024*, Glasgow, UK, 3-7 May 2024. Also appeared on *Journal of the European Society for Radiotherapy and Oncology, 2024*, Vol. 194(Suppl 1): S3531.
90. Yip NKW, Fok TC, Chiu TL, Yu SK, Chang ATY. "Dosimetric evaluation of dose optimisation in HDR brachytherapy using Venezia and Geneva applicators" *ESTRO Annual Congress, 2024*, Glasgow, UK, 3-7 May 2024. Also appeared on *Journal of the European Society for Radiotherapy and Oncology, 2024*, Vol. 194(Suppl 1): S225.

First Asia Pacific Symposium on Acute Myeloid Leukaemia, 2024

Poster Presentation

91. Au CH, Ho DN, Wong EYL, Leung HCM, Leung AWS, Law JHY, Ip BBK, Wong TC, Wang CLN, Wan TSK, Liang RHS, Ma ESK. "Whole-genome sequencing for detection of acute myeloid leukaemia defining genetic abnormalities" *First Asia Pacific Symposium on Acute Myeloid Leukaemia, 2024*, Hong Kong, 10-13 Apr 2024.
92. Wong TC, Ip BBK, Au CH, Wan TSK, Liang RHS, Ma ESK. "Personalized NPM1-mutated Acute Myeloid Leukaemia (AML) monitoring by expression-based droplet digital PCR (ddPCR)" *First Asia Pacific Symposium on Acute Myeloid Leukaemia, 2024*, Hong Kong, 10-13 Apr 2024.

European Congress of Radiology (ECR), 2024

Poster Presentation

93. Cheung CW, Yeung FK, Chiu TL, Yu SK. "Evaluating iterative metal artifact reduction in computed tomography with multiple small metallic objects" *ECR, 2024*, Vienna, Austria, 28 February - 3 March 2024.
94. Fok TC, Yip NKW, Chiu TL, Yu SK. "Image quality evaluation of Tomotherapy kVCT imaging system on beam hardening effect post vendor

upgrade: A technical note” *ECR*, 2024, Vienna, Austria, 28 February - 3 March 2024.

62nd Annual Conference of the Particle Therapy Co-operative Group (PTCOG62), 2024

Poster Presentation

95. Chan WKC, Chang ATY, Geng H, Lam WW, Ho CC, Tang KK, Li TC, Wong YS, Cheung KY, Yu SK, Yang B. “Evaluation of Iterative Beam-Hardening Correction with Sinogram-Affirmed Iterative Reconstruction and Metal Artefact Reduction in Proton Therapy” *PTCOG 62*, 2024, Singapore, 10-15 June 2024.
96. Cheung CW, Chiu TL, Yeung FK, Yu SK. “Monte Carlo study of concrete compositions for shielding in proton therapy facilities at 100-250 MeV” *PTCOG 62*, 2024, Singapore, 10-15 June 2024.
97. Chiu TL, Cheung CW, Yeung FK, Yip NKW, Fok TC, Poon HM, Chung KCL, Yu SK. “Dynamics of Poles Trajectories In The Complex Plane For Nonlinear Schrödinger Equation Of Charged-Particle Beams In Accelerators” *PTCOG 62*, 2024, Singapore, 10-15 June 2024.
98. Ho CC, Wong YS, Lau KK, Geng H, Lam WW, Tang KK, Li TC, Chan WKC, Fung WK, Chiu G, Cheung KY, Yu SKB, Yang BK, Poon DMC. “Initial Experience of MR Verification of Fiducial Marker-Based Image-Guided Stereotactic Body Proton Therapy (SBPT) For Localized Prostate Cancer” *PTCOG 62*, 2024, Singapore, 10-15 June 2024.
99. Tang KK, Chang TYA, Geng H, Lam WW, Ho CC, Wong YS, Chan WKC, Cheung KY, Yu SKB, Yang BK. “Validation of DirectDensity™ CT Reconstruction Algorithm For Proton Therapy Dose Calculations” *PTCOG 62*, 2024, Singapore, 10-15 June 2024.
100. Tse MY, Geng H, Lam WW, Ho CC, Tang KK, Li TC, Wong YS, Chang WKC, Cheung KY, Yu SK, Yang B, Poon DMC. “Dosimetric Comparison between Photon and Proton SBRT in Localized Prostate Cancer Patients with

and without Rectal Spacer and DIL Boost” *PTCOG 62*, 2024, Singapore, 10-15 June 2024.

International Society of Radiographers & Radiological Technologists (ISRRT) World Congress 2024 Hong Kong cum 5th Hong Kong Radiographers and Radiation Therapists Conference, 2024

Oral presentation

101. Chiu ST, Wong SM, Fong CSY, Cheng ST, Chiu G. “Clinical Experience of a Commercially Available Bra for Immobilization in Breast Cancer Patients during Radiotherapy” *ISRRT World Congress 2024 Hong Kong cum 5th Hong Kong Radiographers and Radiation Therapists Conference*, Hong Kong, June 6-9, 2024. Also appeared on *Journal of Medical Imaging and Radiation Sciences*, 2024, Vol. 55(3 Suppl): 101545.
102. Lo TK, Leung WSV, Chiu G, Fung WKW, Mok WW. “Clinical evaluation of automated planning in photon backup plan generation for proton therapy: A pilot study” *ISRRT World Congress 2024 Hong Kong cum 5th Hong Kong Radiographers and Radiation Therapists Conference*, Hong Kong, June 6-9, 2024. Also appeared on *Journal of Medical Imaging and Radiation Sciences*, 2024, Vol. 55(3 Suppl): 101553.

Poster presentation

103. Chiu ST, Wong YS, Chan KC, Chan YY, Fung WKW, Lee MC, Poon SWM, Chiu G. “Initial experiences with immobilisation for proton therapy: Strategies and Challenges” *ISRRT World Congress 2024 Hong Kong cum 5th Hong Kong Radiographers and Radiation Therapists Conference*, Hong Kong, June 6-9, 2024. Also appeared on *Journal of Medical Imaging and Radiation Sciences*, 2024, Vol. 55(3 Suppl): 101687.
104. Tsoi DTT “Nuclear Medicine: The Beauty of Theranostics” *ISRRT World Congress 2024 Hong Kong cum 5th Hong Kong Radiographers and Radiation Therapists Conference*, Hong Kong, June 6-9, 2024. Also appeared on *Journal of Medical Imaging and Radiation Sciences*, 2024, Vol. 55(3 Suppl): 101469.

105. Wong YS, Chiu ST, Lee MC, Chan YY, Chiu G. “The glow and grow treatment path in Hong Kong's first Proton center” *ISRRT World Congress 2024 Hong Kong cum 5th Hong Kong Radiographers and Radiation Therapists Conference*, Hong Kong, June 6-9, 2024. Also appeared on *Journal of Medical Imaging and Radiation Sciences*, 2024, Vol. 55(3 Suppl): 101542.

The Japanese Society of Medical Oncology (JSMO) Annual Meeting, 2024

Poster presentation

106. Cheung EYW, Chan GCK, Ma RWS, Nip EY, Fong K, Wong JSY, Lam CNK. “Dosimetric comparison: volumetric modulated arc therapy and stereotactic body radiotherapy for prostate cancer patients” *JSMO Annual Meeting 2024*, February 22-24, 2024, Nagoya, Japan. Also appeared on *Annals of Oncology*, 2024, Vol. 35(Suppl 3): S1328-S1329

The Hong Kong College of Radiographers and Radiation Therapists 16th Annual Scientific Meeting and Annual General Meeting, 2024

Oral presentation

107. Siu MKH. “Morphological Study and Dosimetric Correlation of Urethral Sphincter Complex with Urinary Toxicity for Prostate Cancer Patients after Ultra-Hypofractionated Stereotactic Radiotherapy(UH-SRT): MRI Approach” *HKCRRT 16th Annual Scientific Meeting and Annual General Meeting*, 2024, Hong Kong, December 7, 2024

American Association of Physicists in Medicine (AAPM) Annual Meeting & Exhibition 2024

Oral presentation

108. Huang CY, Yuan J, Poon DMC, Lau KK, Li P, Kong CW, Yung SPF, Wang J, Cheung KY, Yu SK, Yang B. “Prostate volume change during MR-guided Stereotactic Body Radiotherapy” *AAPM Annual Meeting & Exhibition 2024*, Los Angeles, CA, July 21-25, 2024

109. Huang CY, Yung FSP, Li TC, Wong J, Yuan J, Cheung KY, Yu SK, Yang B. “Dosimetric impact of air-filled ballons in prostate SBRT with MR-Linac: a comparative study with using saline-filled ballons” *AAPM Annual Meeting & Exhibition 2024*, Los Angeles, CA, July 21-25, 2024
110. Wong OL, Yuan J, Xue C, Yu SK, Cheung KY, Lin AWC. “Geometric Distortion Analysis of Diffusion-weighted imaging using 1.5T MR-Linac: An ACR MRI Phantom Study” *AAPM Annual Meeting & Exhibition 2024*, Los Angeles, CA, July 21-25, 2024
111. Xue C, Yuan J, Poon DMC, Lo GG, Yang B, Wong OL, Lin AWC. “The comparisons of MR radiomics models with and without test-retest repeatability for objective online plan adaptation decisions in MRI-guided radiotherapy for prostate cancer” *AAPM Annual Meeting & Exhibition 2024*, Los Angeles, CA, July 21-25, 2024
112. Yang B, Yung FSP, Kong CW, Wong YS, Yuan J, Hunag CY, Cheung KY, Yu SK. “Investigation on intra- and interfractional liver motion under deep inhalation breath hold using Active Breathing Coordinator” *AAPM Annual Meeting & Exhibition 2024*, Los Angeles, CA, July 21-25, 2024

Korean Congress of Radiology 2024

Poster Presentation

113. Wan CK, Liu MCW, Siu DHW, Hui KC, Lee R. “Quantitative and Qualitative Evaluation of MRI Knee Imaging with Deep Learning Reconstruction” *Korean Congress of Radiology*, 2024, Seoul, Korea, 2-5 October, 2024.
114. Yu WSY, Liu MCW, Lee R. “Assessment of Free-Breathing Compressed Sensing Real-Time Cine for MR Cardiac Function” *Korean Congress of Radiology*, 2024, Seoul, Korea, 2-5 October, 2024.