

Publication List

2017

Journal Publications

1. Ai QY, King AD, Law BK, Yeung DK, Bhatia KS, Yuan J, Ahuja AT, Wong LY, Ma BB, Mo FK, Kam MK. "Diffusion-weighted imaging of nasopharyngeal carcinoma to predict distant metastases." *European Archives of Oto-Rhino-Laryngology*, 2017 Feb, Vol. 274(2): 1045-1051.
2. Au CH, Ho DN, Kwong A, Chan TL, Ma ESK. "BAMClipper: removing primers from alignments to minimize false-negative mutations in amplicon next-generation sequencing." *Scientific Reports*, 2017, Vol. 7: 1567
3. Au CH, Leung AYH, Kwong A, Chan TL, Ma ESK. "INDELseek: detection of complex insertions and deletions from next-generation sequencing data." *BMC Genomics*, 2017, Vol. 18: 16.
4. Chang JS, Ng JC, Chan VK, Law AK. "Visual Outcomes, Quality of Vision, and Quality of Life of Diffractive Multifocal Intraocular Lens Implantation after Myopic Laser In Situ Keratomileusis: A Prospective, Observational Case Series." *Journal of Ophthalmology*, 2017, Vol. 2017: 6459504.
5. Ka S, Lo G, Ai V, Au-Yeung P, Chan H. "The First Positron Emission Tomography-Magnetic Resonance Imaging in Hong Kong: Preliminary Experience." *Hong Kong Journal of Radiology*, 2017, Vol. 20: 84-9.
6. Kuchenbaecker KB et al. (Kwong A) "Evaluation of Polygenic Risk Scores for Breast and Ovarian Cancer Risk Prediction in BRCA1 and BRCA2 Mutation Carriers." *Journal of the National Cancer Institute*, 2017, Vol. 109(7): djw302.
7. Tsang SW, Collins M, Wong JT, Chiu G. "A dosimetric comparison of craniospinal irradiation using TomoDirect radiotherapy, TomoHelical radiotherapy and 3D conventional radiotherapy." *Journal of Radiotherapy in*

Practice, Published online: 22 June 2017, DOI:
<https://doi.org/10.1017/S1460396917000309>

8. Yang B, Wong WK, Geng H, Lam WW, Ho YW, Kwok WM, Cheung KY, Yu SK. “Filmless methods for quality assurance of Tomotherapy using ArcCHECK.” *Medical Physics*, 2017, Vol. 44(1): 7-16.

Case Report

9. Chang JSM, Law AKP, Ng JCM, Cheng MSY. “Femtosecond Laser in situ Keratomileusis Flap Creation in Narrow Palpebral Fissure Eyes without Suction.” *Case Reports in Ophthalmology*, 2017 May-Aug, Vol.8(2):341-318

Editorial Paper

10. Cheung KY. “Systems medicine for the delivery of better healthcare Services-International Union for Physical and Engineering Sciences (IUPESM) perspective.” *Health and Technology*, 2017, Vol. 7(1): 9-10.

Review Article

11. Lee TH, Ho HK, Leung TF. “Genetically modified foods and allergy.” *Hong Kong Medical Journal*, 2017, Vol. 23(3): 291-5.

Book Chapter

12. Ma ESK. “Recurrent Cytogenetic Abnormalities in Non-Hodgkin’s Lymphoma and Chronic Lymphocytic Leukemia.” In *Cancer Cytogenetics – Methods and Protocols*, pages 279-283, in Vol. 1541 of *Methods in Molecular Biology Series*.

Oral & Poster Presentations

The 26th Conference of the Asian Pacific Association for the Study of the Liver (APASL) Annual Meeting, 2017

Oral Presentation

13. Chen SR, Cheung W, Cheng KC, Leung YL, Wong KN, Wong YH, Ho CL. “Significance of 11C-Acetate PET/CT in Evaluation of Liver Metastasis from Recurrent Gastrointestinal Stromal Tumors on Concurrent Imatinib (Glivec) Treatment.” *The 26th Conference of the APASL Annual Meeting*, Shanghai, China, 15-19 February 2017; Also appeared in *Hepatology International*, 2017, Vol. 11(Suppl 1): S64.

Poster Presentation

14. Cheung W, Chen SR, Chan WK, Ho CL. “Hepatic epithelioid angiomyolipoma: a rare tumor shown up in 11C-acetate PET/CT.” *The 26th Conference of the APASL Annual Meeting*, Shanghai, China, 15-19 February 2017; Also appeared in *Hepatology International*, 2017, Vol. 11(Suppl 1): S542.

European Society for Radiotherapy & Oncology (ESTRO 36), 2017

Oral Presentation

15. Cheng KF, Fok PH, Yuan J, Wong OL, Chiu G. “Analysis of diaphragm motion at various levels of abdominal compression by dynamic MRI.” *ESTRO 36*, Vienna, Austria, 5-9 May 2017; also appeared in *Radiotherapy and Oncology*, 2017, Vol. 123(Suppl. 1): S38.
16. Fok PH, Fung WK, Ho CHP, Chiu G. “Assessment of Atlas based auto-segmentation in Breast Contouring.” *ESTRO 36*, Vienna, Austria, 5-9 May 2017; also appeared in *Radiotherapy and Oncology*, 2017, Vol. 123(Suppl. 1): S136.
17. Fung WWK, Man SY, Yuan J, Fung LH, Luk WP, Chiu G. “Optimizing sequences for MRI-guided radiotherapy in cranial and head and neck regions.” *ESTRO 36*, Vienna, Austria, 5-9 May 2017; also appeared in *Radiotherapy and Oncology*, 2017, Vol. 123(Suppl. 1): S83.
18. Ng SY, Fung WK, Ku KM, Wong OL, Chiu G. “Effect of cardiac motion on displacement of LAD artery in gated left breast treatment using MRI.”

ESTRO 36, Vienna, Austria, 5-9 May 2017; also appeared in *Radiotherapy and Oncology*, 2017, Vol. 123(Supp. 1): S240.

Poster Presentation

19. Chan KC, Lee WY, Chiu G. “A process and human factors engineering paradigm for radiation oncology.” *ESTRO 36*, Vienna, Austria, 5-9 May 2017; also appeared in *Radiotherapy and Oncology*, 2017, Vol. 123(Supp. 1): S1016-S1017.
20. Chiu TL, Yang B, Geng H, Lam WW, Kong CW, Cheung KY, Yu SK. “Source dwell time and transit time measurement for a HDR afterloading unit.” *ESTRO 36*, Vienna, Austria, 5-9 May 2017; also appeared in *Radiotherapy and Oncology*, 2017, Vol. 123(Supp. 1): S95-S96.
21. Wong OL, Yuan J, Yu SK, Cheung KY. “Phantom image quality evaluation under 3 coil settings for abdominal MR-simulation at 1.5T.” *ESTRO 36*, Vienna, Austria, 5-9 May 2017; also appeared in *Radiotherapy and Oncology*, 2017, Vol. 123(Supp. 1): S946-S947.
22. Yang B, Chiu TL, Cheung CW, Geng H, Lam WW, Cheung KY, Yu SK. “QA test of MLC speed using a fluorescent screen-CCD based dosimetry system.” *ESTRO 36*, Vienna, Austria, 5-9 May 2017; also appeared in *Radiotherapy and Oncology*, 2017, Vol. 123(Supp. 1): S503-S504.
23. Yuan J, Wong OL, Yu SK, Cheung KY. “Inter-observer agreement of ACR MRI phantom Test on a 1.5T MR-simulator with Flexible Coil setting.” *ESTRO 36*, Vienna, Austria, 5-9 May 2017; also appeared in *Radiotherapy and Oncology*, 2017, Vol. 123(Supp. 1): S945.
24. Zhou YH, Fung WWK, Yuan J, Wong OL, Chiu G, Cheng KF, Cheung KY, Yu SK. “Setup uncertainty in head and neck assessed by a 1.5T MR-sim with thermoplastic mask immobilization.” *ESTRO 36*, Vienna, Austria, 5-9 May 2017; also appeared in *Radiotherapy and Oncology*, 2017, Vol. 123(Supp. 1): S895-S896.

Meeting & Exhibition

Oral Presentation

25. Wong OL, Yuan J, Zhou YH, Yu SK, Cheung KY. "Geometric distortion due to B0 inhomogeneity in liver MR imaging under inhalation and exhalation breath-hold." *25th ISMRM Annual Meeting & Exhibition*, Honolulu, HI, USA, 22-27 April 2017.

Poster Presentation

26. Lee R, Lo GG, Chan KF. "To quantitatively investigate the contrast ratio of prostate cancer of computed high diffusion-weighted imaging (DWI) from DWIs acquired from lower b-values and correlation to tumour aggressiveness." *25th ISMRM Annual Meeting & Exhibition*, Honolulu, HI, USA, 22-27 April 2017.
27. Law MWK, Yuan J, Wong OL, Yu SK. "Comprehensive analysis of MR geometric distortion of multiple pulses sequence for radiotherapy applications." *25th ISMRM Annual Meeting & Exhibition*, Honolulu, HI, USA, 22-27 April 2017.
28. Law MWK, Yuan J, Wong OL, Yu SK. "Longitudinal Monitoring of MRI Image Distortion of a dedicated MR-Simulator for Radiotherapy over a 6-month Period." *25th ISMRM Annual Meeting & Exhibition*, Honolulu, HI, USA, 22-27 April 2017.
29. Wong OL, Lo GG, Yuan J, Chan HHL, Wong TT, Cheung PSY. "Is ADC heterogeneity helpful in characterizing ductal carcinoma in situ (DCIS) at 3.0T breast MRI" *25th ISMRM Annual Meeting & Exhibition*, Honolulu, HI, USA, 22-27 April 2017.
30. Yuan J, Zhou YH, Wong OL, Fung WWK, Chiu G, Cheung KY, Yu SK. "Positional variation of parotid glands in the treatment position of head and neck radiotherapy with immobilization: a pilot study on health volunteers using high spatial resolution 3D MRI at 1.5T." *25th ISMRM Annual Meeting & Exhibition*, Honolulu, HI, USA, 22-27 April 2017.

31. Zhou YH, Wong OL, Yuan J, Chiu G, Cheung KY, Yu SK. "A Novel Retrospective Sorting Strategy Utilizing both Respiratory Profile and Internal Surrogate Position for Generating Free-Breathing Abdominal 4D-MRI." *25th ISMRM Annual Meeting & Exhibition*, Honolulu, HI, USA, 22-27 April 2017.
32. Zhou YH, Yuan J, Wong OL, Fung WWK, Chiu G, Cheung KY, Yu SK. "Accelerating 3D Head-and-Neck MR Imaging Using Compressed Sensing with Structure-Guided Total Variation for MR-Guided Multi-Fractional Radiotherapy." *25th ISMRM Annual Meeting & Exhibition*, Honolulu, HI, USA, 22-27 April 2017.

The 56th Annual Conference of the Particle Therapy Co-operative Group (PTCOG 56), 2017

Poster Presentation

33. Yang B, Geng H, Chiu TL, Lam WW, Lee MH, Cheung KY, Yu SK. "Application of Syngo.via Rho/Z Function in Stopping Power Calibration for Proton Therapy Treatment Planning." *PTCOG 56*, Yokohama, Japan, 11-13 May 2017.
34. Lam WW, Geng H, Kong CW, Ho YW, Wong WKR, Yang B, Chiu TL, Lee TY, Cheung KY, Yu SK. "Dosimetric and radiobiological benefits on organs-at-risk for intensity modulated proton therapy as compared with helical tomotherapy for nasopharyngeal carcinoma." *PTCOG 56*, Yokohama, Japan, 11-13 May 2017.

Society of Nuclear Medicine and Molecular Imaging (SNMMI) 2017 Annual Meeting

Oral Presentation

35. Chen SR, Cheung W, Cheng K, Leung YL, Wong KN, Wong YH, Ho CL. "Incremental value of ¹¹C-acetate over ⁶⁸Ga-PSMA PET/CT for diagnosis of primary prostate cancer patients with low-risk clinical factors." *SNMMI 2017*

Annual Meeting, Denver, Colorado, June 10-14, 2017. Also appeared in *The Journal of Nuclear Medicine*, Vol. 58 (suppl. 1): 543.

36. Chen SR, Leung YL, Cheng K, Wong KN, Cheung W, Wong YH, Ho CL. “¹¹C-acetate PET/CT for early detection of HCC originating from the caudate lobe with negative or indeterminate CT/MRI findings.” *SNMMI 2017 Annual Meeting*, Denver, Colorado, June 10-14, 2017. Also appeared in *The Journal of Nuclear Medicine*, Vol. 58 (suppl. 1): 426.

37. Tsoi TT, Chen SR, Cheung W, Ho CL. “Comparative study between Ga68-PSMA-HBED-CC and C11-Acetate PET/CT for staging evaluation of prostate carcinoma before prostatectomy.” *SNMMI 2017 Annual Meeting*, Denver, Colorado, June 10-14, 2017. Also appeared in *The Journal of Nuclear Medicine*, Vol. 58 (suppl. 1): 542.

European Congress of Radiology (ECR) 2017

Poster Presentation

38. Cheung CW, Yang B, Kong CW, Cheung KY, Yu SK. “Joint Bilateral Filtering for Dual Energy Computed Tomography – A phantom study.” *ECR 2017*, Vienna, Austria, March 1-5, 2017

Highlights of American Society of Hematology Annual Meeting (Asia-Pacific), 2017

Abstract

39. Au CH, Ho DN, Chan TL, Ma ESK. “Comprehensive Molecular Profiling of Myeloid Neoplasms by Next-Generation Sequencing.” *Highlights of American Society of Hematology Annual Meeting (Asia-Pacific)*, Hong Kong, 11-12 March 2017

Global Breast Cancer Conference (GBCC), 2017

Poster Presentation

40. Chiu J, Leung R, Shin V, Au CH, Wong L, Chan TL, Lo J, Ma ESK, Kwong A. “A pilot study of molecular-guided Neoadjuvant Chemotherapy (NAC) in

patients with Triple Negative Breast Cancer (TNBC).” *GBCC 2017*, Jeju Island, Korea, 20-22 April, 2017

41. Au CH, Ho DN, Ho CYS, Chan TL, Ma ESK, Kwong A. “Comprehensive in silico validation of gene panel next-generation sequencing with supercomputer.” *GBCC 2017*, Jeju Island, Korea, 20-22 April, 2017

5th MR in RT Symposium 2017

42. Cheng KF, Fok PH, Chiu G. “Assessment of intrafraction motion in pelvic region by MRI.” *5th MR in RT Symposium*, Sydney, Australia, 20-23 June 2017.
43. Fung WK, Li CH, Fung LH, Luk WP, Chiu G. “Contouring variability of the organs at risk in head region using contrast T1-weighted MR images.” *5th MR in RT Symposium*, Sydney, Australia, 20-23 June 2017.

The Royal College of Pathologists of Australasia (RCPA) Pathology Update 2017

44. Lam HY, Wong THC, Wong ATC, Siu GKH, Yam WC, Tang BSF. “Development of an in-house real-time pcr to monitor the prevalence of macrolide-resistant *Mycoplasma pneumonia* in Hong Kong.” *RCPA Pathology Update 2017*, Sydney, Australia, 24-26 Feb 2017; also appeared in *Pathology*, 2017, Vol. 49(S1), S116.

27th European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), 2017

45. Lam HY, Chan JFW, Lai CKC, Tang BSF. “Evaluation of the FilmArray meningitis/encephalitis (ME) panel for the diagnosis of CNS infection with a negative CSF Gram-staining result.” *27th ECCMID*, Vienna, Austria, 22-25 April 2017.