

# Publication List

2019

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## Journal Publications

1. Advisory Group on Antibiotic Stewardship Programme in Primary Care et al. (Yung RWH). “Antibiotic management of acute pharyngitis in primary care.” *Hong Kong Medical Journal*, 2019, Vol. 25(1): 58-63.
2. Ai QY, King AD, Chan JSM, Chen W, Chan KCA, Woo JKS, Zee BCY, Chan ATC, Poon DMC, Ma BBY, Hui EP, Ahuja AT, Vlantis AC, Yuan J. “Distinguishing early-stage nasopharyngeal carcinoma from benign hyperplasia using intravoxel incoherent motion diffusion-weighted MRI.” *European Radiology*, 2019, Vol. 29(10): 5627-5634.
3. Au CH, Ho DN, Ip BBK, Wan TSK, Ng MHL, Chiu EKW, Chan TL, Ma ESK. “Rapid detection of chromosomal translocation and precise breakpoint characterization in acute myeloid leukemia by nanopore long-read sequencing.” *Cancer Genetics*, 2019, Vol. 239: 22-25.
4. Bu Y, Shih KC, Kwok SS, Chan YK, Lo AC, Chan TCY, Jhanji V, Tong L. “Experimental modeling of cornea wound healing in diabetes: clinical applications and beyond.” *BMJ Open Diabetes Research & Care*, 2019, Vol. 7(1): e000779.
5. Chan AW, Luk WP, Fung LH, Lee TH. “The effectiveness of sublingual immunotherapy for house dust mite-induced allergic rhinitis and its co-morbid conditions.” *Immunotherapy*, 2019, Vol. 11(16): 1387-1397.
6. Chan FCC, Chan P, Chan I, Chan A, Tang THC, Lam W, Fong WC, Lee MP, Li P, Chan GHF. “Cognitive screening in treatment-naïve HIV-infected individuals in Hong Kong – a single center study.” *BMC Infectious Diseases*, 2019, Vol. 19: 156.

7. Chan KL, Leung WC, Tiwari A, Or KL, Ip P. "Using Smartphone-Based Psychoeducation to Reduce Postnatal Depression Among First-Time Mothers: Randomized Controlled Trial." *JMIR mHealth and uHealth*, 2019, Vol. 7(5): e12794.
8. Chang JSM. "Bilateral Implantation of a Single-Piece Bifocal Diffractive Intraocular Lens in Presbyopic Patients: A Prospective Case Series." *Asia-Pacific Journal of Ophthalmology*, 2019, Vol. 8(1): 12-21.
9. Chen J, Cheuk IWY, Shin VY, Kwong A. "Acetylcholine receptors: Key players in cancer development." *Surgical Oncology*, 2019, Vol. 31: 46-53.
10. Cheung DST, Deng W, Tsao SW, Ho RTH, Chan CLW, Fong DYT, Chau PH, Hong AWL, Fung HYKY, Ma JLC, Tiwari AFY. "Effect of a Qigong Intervention on Telomerase Activity and Mental Health in Chinese Women Survivors of Intimate Partner Violence: A Randomized Clinical Trial." *JAMA Network Open*, 2019, Vol. 2(1): e186967.
11. Cheung DST, Or CK, So MKP, Ho K, Tiwari A. "The Use of eHealth Applications in Hong Kong: Results of a Random-Digit Dialing Survey." *Journal of Medical Systems*, 2019, Vol. 43(9): 293.
12. Cheung JJC, Chang DL, Chan JC, Choy BNK, Shih KC, Wong JKW, Ng ALK, Shum JWH, Ni MY, Lai JSM, Leung GM, Wong IYH. "Exophthalmometry values in the Hong Kong Chinese adult population from a population-based study." *Medicine (Baltimore)*, 2019, Vol. 98(47):e17993.
13. Cheung KS, Leung LP, Siu YC, Tsang TC, Tsui MSH, Tam CC, Chan RHW. "Prehospital electrocardiogram shortens ischaemic time in patients with ST-segment elevation myocardial infarction." *Hong Kong Medical Journal*, 2019, Vol. 25(5): 356-362.
14. Chiu JW, Leung R, Tang V, Cheuk WY, Lo J, Kwok GW, Wong H, Suen D, Cheung P, Wong TT, Yau T, Kwong A. "Changing pattern of recurrences in patients with early HER2-positive breast cancer receiving neoadjuvant chemotherapy in the era of dual anti-HER2 therapy." *Postgraduate Medical Journal*, 2019, Vol. 95(1121): 155-161.

15. Chu AMY, Lam BSY, Tiwari A, So MKP. "An Empirical Study of Applying Statistical Disclosure Control Methods to Public Health Research." *International Journal of Environmental Research and Public Health*, 2019, Vol. 16(22): 4519.
16. Chow SSW, Chan TCY, Ng ALK, Kwok AKH. "Outcomes of presbyopia-correcting intraocular lenses after laser in situ keratomileusis." *International Ophthalmology*, 2019, Vol. 39(5): 1199-1204.
17. Dörk T et al. (Chan TL, Kwong A) "Two truncating variants in FANCC and breast cancer risk." *Scientific Reports*, 2019, Vol. 9: 12524.
18. Fong PY, Shih KC, Lam PY, Chan TCY, Jhanji V, Tong L. "Role of tear film biomarkers in the diagnosis and management of dry eye disease." *Taiwan Journal of Ophthalmology*, 2019, Vol. 9(3): 150-159.
19. Friebel TM et al. (Kwong A) "BRCA1 and BRCA2 Pathogenic Sequence Variants in Women of African Origin or Ancestry." *Human Mutation*, 2019, Vol. 40(10): 1781-1796.
20. Ho CL, Chen SR, Cheung SK, Leung WT. "Significant value of 11C-acetate and 18F-FDG PET/CT on 90Y microspheres radioembolization for hepatocellular carcinoma." *PET Clinics*, 2019, Vol. 14(4): 459-467.
21. Ho CL, Chen SR, Leung YL, Cheng KC, Wong KN, Cheung SK, Wong YH. "Proof-of-concept assessment of metastatic sentinel node involvement by 18F-FDG PET/CT in prediction of disease progression and survival in colorectal cancer patients with peritoneal carcinomatosis." *Mesentery and Peritoneum*, 2019, Vol. 3:1.
22. Hon KL, Ng WGG, Kung JSC, Cheng NS, Ng DKK, Leung TF. "Utility of the Pediatric Allergic Disease Quality of Life Questionnaire for childhood eczema." *British Journal of Dermatology*, 2019, Vol. 181(2): 290-295
23. Kwong A, Cheng KD, Hsue CV, Hui SK, Leung CR, Leung KA, Ngan KR, Soong SI. "BRCA mutation testing for ovarian cancer in the context of available targeted therapy: Survey and consensus of Hong Kong specialists." *Asia-Pacific Journal of Clinical Oncology*, 2019, Vol. 15(Suppl 2): 20-31.

24. Lau YT, Shih KC, Tse RH, Chan TC, Jhanji V. "Comparison of Visual, Refractive and Ocular Surface Outcomes Between Small Incision Lenticule Extraction and Laser-Assisted In Situ Keratomileusis for Myopia and Myopic Astigmatism." *Ophthalmology and Therapy*, 2019, Vol. 8(3): 373-386.
25. Lee TH, Chan JKC, Lau PC, Luk WP, Fung LH. "Peanut allergy and oral immunotherapy." *Hong Kong Medical Journal*, 2019, Vol. 25(3): 228-34.
26. Lee TH, Leung TF, Wong G, Ho M, Dugue JR, Li PH, Lau CS, Lam WF, Wu A, Chan E, Lai C, Lau YL. "The unmet provision of allergy services in Hong Kong impairs capability for allergy prevention-implications for the Asia Pacific region." *Asian Pacific Journal of Allergy and Immunology*, 2019, Vol. 37(1): 1-8.
27. Leung GMK et al. (Au CH, Chan TL, Ma ESK) "Distinct mutation spectrum, clinical outcome and therapeutic responses of typical complex/monosomy karyotype acute myeloid leukemia carrying TP53 mutations." *American Journal of Hematology*, 2019, Vol. 94(6): 650-657.
28. Leung HH, Ng AL, Durand T, Kawasaki R, Oger C, Balas L, Galano JM, Wong IY, Chung-Yung Lee J. "Increase in omega-6 and decrease in omega-3 polyunsaturated fatty acid oxidation elevates the risk of exudative AMD development in adults with Chinese diet." *Free Radical Biology and Medicine*, 2019, Vol. 145: 349-356
29. Li CH, Wu VW, Chiu G. "A dosimetric evaluation on applying RTOG-based and CT/MRI-based delineation methods to brachial plexus in radiotherapy of nasopharyngeal carcinoma treated with helical tomotherapy." *The British Journal of Radiology*, 2019, Vol. 92(1102): 20170881.
30. Lo BKM, Sheikh S, Williams SA. "In vitro and in vivo mouse follicle development in ovaries and reaggregated ovaries." *Reproduction*, 2019, Vol. 157(2): 135-148.
31. Metcalfe K et al. (Kwong A) "International trends in the uptake of cancer risk reduction strategies in women with a BRCA1 or BRCA2 mutation." *British Journal of Cancer*, 2019, Vol. 121(1): 15-21.

32. Mudway IS et al. (Lee TH) "Impact of London's low emission zone on air quality and children's respiratory health: a sequential annual cross-sectional study." *Lancet Public Health*, 2019, Vol. 4(1): e28-e40.
33. Ng AL, Leung HH, Kawasaki R, Ho WL, Chow LL, Chow SS, Lee JC, Wong IY. "Dietary Habits, Fatty Acids and Carotenoid Levels Are Associated with Neovascular Age-Related Macular Degeneration in Chinese." *Nutrients*, 2019, Vol. 11(8): 1720.
34. Panea RI et al. (Choi WWL) "The whole-genome landscape of Burkitt lymphoma subtypes." *Blood*, 2019, Vol. 134(19): 1598-1607.
35. Pun J, Chan EA, Man M, Eggins S, Slade D. "Pre- and post evaluations of the effects of the Connect, Ask, Respond and Empathise (CARE) protocol on nursing handover: A case study of a bilingual hospital in Hong Kong." *Journal of Clinical Nursing*, 2019, Vol. 28(15-16): 3001-3011.
36. Qamar S, King AD, Ai QY, Law BKH, Chan JSM, Poon DMC, Tong M, Mo FKF, Chen W, Bhatia KS, Ahuja AT, Ma BBY, Yeung DK, Wang YX, Yuan J. "Amide proton transfer MRI detects early changes in nasopharyngeal carcinoma: providing a potential imaging marker for treatment response." *European Archives of Oto-Rhino-Laryngology*, 2019, Vol. 276(2): 505-512.
37. Qian F et al. (Kwong A) "Height and Body Mass Index as Modifiers of Breast Cancer Risk in BRCA1/2 Mutation Carriers: A Mendelian Randomization Study." *Journal of the National Cancer Institute*, 2019, Vol. 111(4): 350-364.
38. Shin VY, Chen J, Cheuk IWY, Siu MT, Ho CW, Wang X, Jin H, Kwong A. "Long non-coding RNA NEAT1 confers oncogenic role in triple-negative breast cancer through modulating chemoresistance and cancer stemness." *Cell Death & Disease*, 2019, Vol. 10(4): 270.
39. Sun KS, Lam TP, Piterman L, Lam KF, Tang WS, Kwok KW, Chan HY, Wu D, Tiwari A. "Management of Domestic Violence by Primary Care Physicians in Hong Kong: Association With Barriers, Attitudes, Training, and Practice Background." *Journal of Interpersonal Violence*, 2019, doi: 10.1177/0886260519869067. [Epub ahead of print]

40. Ugai T et al. (Kwong A) “The functional ALDH2 polymorphism is associated with breast cancer risk: A pooled analysis from the Breast Cancer Association Consortium.” *Molecular Genetics & Genomic Medicine*, 2019, Vol. 7(6): e707.
41. van Assen M et al. (Lo GG) “Prognostic value of CT myocardial perfusion imaging and CT-derived fractional flow reserve for major adverse cardiac events in patients with coronary artery disease.” *Journal of Cardiovascular Computed Tomography*, 2019, Vol. 13(3): 26-33.
42. Wan KH, Lam TCH, Yu MCY, Chan TCY. “Accuracy and precision of intraocular lens calculations using the new Hill-RBF version 2.0 in eyes with high axial myopia.” *American Journal of Ophthalmology*, 2019, Vol. 205: 66-73.
43. Weigel C et al. (Chan TL) “DNA methylation at an enhancer of the three prime repair exonuclease 2 gene (TREX2) is linked to gene expression and survival in laryngeal cancer.” *Clinical Epigenetics*, 2019, Vol. 11(1): 67.
44. Wong PC, Lee G, Sedie AD, Hanova P, Inanc N, Jousse-Joulin S, Ohrndorf S, Stoenoiu MS, Keen HI, Terslev L, D'Agostino MA, Bruyn GA. “Musculoskeletal Ultrasound in Systemic Lupus Erythematosus: Systematic Literature Review by the Lupus Task Force of the OMERACT Ultrasound Working Group.” *The Journal of Rheumatology*, 2019, Vol. 46(10): 1379-1387.
45. Wu JCY, Chan AOO, Cheung TK, Kwan ACP, Leung VKS, Sze WC, Tan VPY. “Consensus statements on diagnosis and management of chronic idiopathic constipation in adults in Hong Kong.” *Hong Kong Medical Journal*, 2019, Vol. 25(2): 142-8.
46. Yang B, Chiu TL, Law WK, Geng H, Lam WW, Leung TM, Yiu LH, Cheung KY, Yu SK. “Performance evaluation of the CyberKnife system in real-time target tracking during beam delivery using a moving phantom coupled with two-dimensional detector array.” *Radiological Physics and Technology*, 2019, Vol. 12(1): 86-95.

47. Yang B, Geng H, Ding Y, Kong CW, Cheung CW, Chiu TL, Lam WW, Cheung KY, Yu SK. "Development of a novel methodology for QA of respiratory-gated and VMAT beam delivery using Octavius 4D phantom." *Medical Dosimetry*, 2019, Vol. 44(1): 83-90.
48. Yang B, Wong WKR, Lam WW, Geng H, Kong CW, Cheung KY, Yu SK. "A novel method for monitoring the constancy of beam path accuracy in CyberKnife." *Journal of Applied Clinical Medical Physics*, Vol. 20(5): 109-119.
49. Yang Y et al. (Kwong A) "Re-evaluating genetic variants identified in candidate gene studies of breast cancer risk using data from nearly 280,000 women of Asian and European ancestry." *EBioMedicine*, 2019, Vol. 48: 203-211.
50. You QS, Chan JCH, Ng ALK, Choy BKN, Shih KC, Cheung JJC, Wong JKW, Shum JWH, Ni MY, Lai JSM, Leung GM, Cheung CMG, Wong TY, Wong IYH. "Macular Vessel Density Measured With Optical Coherence Tomography Angiography and Its Associations in a Large Population-Based Study." *Investigate Ophthalmology & Visual Science*, 2019, Vol. 60(14): 4830-4837.
51. Yuan J, Wong OL, Zhou Y, Cheung KY, Yu SK. "A fast volumetric 4D-MRI with sub-second frame rate for abdominal motion monitoring and characterization in MRI-guided radiotherapy." *Quantitative Imaging in Medicine and Surgery*, 2019, Vol. 9(7): 1303-1314.
52. Zhang BN, Chan TCY, Tam POS, Liu Y, Pang CP, Jhanji V, Chen LJ, Chu WK. "A Cohesin Subunit Variant Identified from a Peripheral Sclerocornea Pedigree." *Disease Markers*, 2019, eCollection, 8781524.
53. Zhang BN, Wong TCB, Yip YWY, Liu Z, Wang C, Wong JSC, He JN, Chan TCY, Jhanji V, Pang CP, Zhao H, Chu WK. "A sclerocornea-associated RAD21 variant induces corneal stroma disorganization." *Experimental Eye Research*, 2019, Vol. 185: 107687.

54. Zhou Y, Wong OL, Cheung KY, Yu SK, Yuan J. "A pilot study of highly accelerated 3D MRI in the head and neck position verification for MR-guided radiotherapy." *Quantitative Imaging in Medicine and Surgery*, 2019, Vol. 9(7): 1255-1269.

### **Review Article**

55. Chan TCY, Chow SSW, Wan KHN, Yuen HKL. "Update on the association between dry eye disease and meibomian gland dysfunction." *Hong Kong Medical Journal*, 2019, Vol. 25(1): 38-47.
56. Chow SSW, Chow LLW, Lee CZ, Chan TCY. "Astigmatism Correction Using SMILE." *Asia-Pacific Journal of Ophthalmology (Philadelphia, PA)*, Vol. 8(5): 391-396.
57. Kwok SS, Bu Y, Lo AC, Chan TC, So KF, Lai JS, Shih KC. "A Systematic Review of Potential Therapeutic Use of Lycium Barbarum Polysaccharides in Disease." *BioMed Research International*, 2019, Vol. 2019: 4615745.
58. Kwok SS, Shih KC, Bu Y, Lo AC, Chan TC, Lai JS, Jhanji V, Tong L. "Systematic Review on Therapeutic Strategies to Minimize Corneal Stromal Scarring After Injury." *Eye & Contact Lens: Science & Clinical Practice*, 2019, Vol. 45(6): 347-355.
59. Shih KC, Tse RH, Lau YT, Chan TC. "Advances in Corneal Imaging: Current Applications and Beyond." *Asia-Pacific Journal of Ophthalmology (Philadelphia, Pa.)*, 2019, Vol. 8(2): 105-114.
60. Wasant P, Padilla C, Lam S, Thong MK, Lai PS. "Asia Pacific Society of Human Genetics (APSHG) from conception to 2019: 13 years of collaboration to tackle congenital malformation and genetic disorders in Asia." *American Journal of medical genetics part C: Seminars in Medical Genetics*, 2019, Vol. 181(2): 155-165.
61. Wong AHY, Cheung RKY, Kua WN, Shih KC, Chan TCY, Wan KH. "Dry Eyes After SMILE." *Asia-Pacific Journal of Ophthalmology (Philadelphia, PA)*, Vol. 8(5): 397-405.



## Case Report

62. Ho CL, Chen SR, Leung YL, Cheng KC, Wong YH. "Dual-Tracer PET/CT Differentiates 2 Types of Primary Cancers and Metastases in a Patient With Crossed Fused Renal Ectopia." *Clinical Nuclear Medicine*, 2019, Vol. 44(2): 157-158.
63. Mak KY, Au CH, Chan TL, Ma ESK, Chow EYD, Lin SY, Choi WWL. "Next-generation sequencing panel for diagnosis and management of chronic neutrophilic leukaemia: a case report." *Hong Kong Medical Journal*, 2019, Vol. 25(3): 248-50.

## Letter in Reply / Correspondence

64. Chan WS, Au CH, Leung HC, Ho DN, Li D, Chan TL, Lam TW, Ma ES, Tang BS. "Potential utility of metagenomic sequencing for improving etiologic diagnosis of infective endocarditis." *Future Cardiology*, 2019, Vol.15(6): 411-424.
65. Cheng VCC, Wong SC, Wong SCY, Sridhar S, Yip CCY, Chen JHK, Fung J, Chiu KHY, Ho PL, Chen S, Cheng BWC, Ho CL, Lo CM, Yuen KY. "Reusable blood collection tube holders are implicated in nosocomial hepatitis C virus transmission." *Infection Control & Hospital Epidemiology*, 2019, Vol. 40(2): 252-253.
66. Wan KH, Chan TCY. "Re: Hwang et al.: Distinguishing highly asymmetric keratoconus eyes using combined Scheimpflug and spectral-domain OCT analysis (Ophthalmology. 2018;125:1862-1871)." *Ophthalmology*, 2019, Vol. 126(4): e26.

## Guidelines

67. Cheng YL, Tang HL, Tong MKL. "Clinical practice guidelines for the provision of renal service in Hong Kong: Haemodialysis." *Nephrology (Carlton, Vic)*, 2019, Vol. 24(Suppl 1): 41-59.

68. Kong I, Law MC, Ng GS. "Clinical practice guidelines for the provision of renal service in Hong Kong: Renal Nursing Practice." *Nephrology (Carlton, Vic)*, 2019, Vol. 24(Suppl 1): 77-97.
69. Salem R, Padia SA, Lam M, Bell J, Chiesa C, Fowers K, Hamilton B, Herman J, Kappadath SC, Leung T, Portelance L, Sze D, Garin E. "Clinical and dosimetric considerations for Y90: recommendations from an international multidisciplinary working group." *European Journal of Nuclear Medicine and Molecular Imaging*, 2019, Vol. 46: 1695-1704.

## **Preface**

70. Suen HC, White TW. "Surgical stabilization of rib fractures." *Journal of Thoracic Disease*, 2019, Vol. 11(Suppl 8): S1022-S1023.

## **Oral & Poster Presentations**

### Society of Nuclear Medicine and Molecular Imaging (SNMMI) 2019 Annual Meeting

#### Oral Presentation

71. Chen SR, Wong YH, Tsoi TT, Leung YL, Cheng KC, Wong KN, Cheung SK, Wu KK, Ho CL. "Preliminary comparative study between 18F-PSMA-1007 and 68Ga-PSMA-11 PET/CT in patients with prostate cancer: biodistribution and tumor detection." *SNMMI 2019*, Anaheim, California, June 22-25, 2019. Also appeared on the *Journal of Nuclear Medicine*, 2019, Vol. 60(Suppl 1): 590.
72. Ho CL, Chen SR, Cheung SK, Leung YL, Cheng KC, Wong KN, Wong YH, Wu KK, Liang HS. "11C-acetate PET/CT has a significantly higher correlation with FISH test than 18F-FDG PET/CT in risk stratification of multiple myeloma." *SNMMI 2019*, Anaheim, California, June 22-25, 2019. Also appeared on the *Journal of Nuclear Medicine*, 2019, Vol. 60(Suppl 1): 20.
73. Ho I, Chen SR, Leung YL, Cheung MK, Ho CL, Mok V. "Combined cut-off point determination of 18F-AV-1451 (T807) imaging biomarker for tau

burden and 2018 NIA-AA definition facilitate reclassification of Alzheimer's disease." *SNMMI 2019*, Anaheim, California, June 22-25, 2019. Also appeared on the *Journal of Nuclear Medicine*, 2019, Vol. 60(Suppl 1): 254.

#### 2<sup>nd</sup> Global Congress on Molecular Pathology, 2019

##### Oral Presentation

74. Ng MK, Lam CW, Au CH, Ip BK, To MYR, Choy G, Lam HY, Chan TL, Ma SKE. "Validation of Immunohistochemistry by a Monoclonal Antibody CAL2 on Trephine Biopsy for CALR Mutation Detection in Myeloproliferative Neoplasms." *2nd Global Congress on Molecular Pathology*, 2019, Hong Kong, May 16-18 2019. Also appeared on the *Journal of Molecular Diagnostics*, 2019, Vol. 21(Suppl): S4.

##### Poster Presentation

75. Au CH, Ho DN, Chan TL, Ma ESK. "In Silico Validation of Myeloid Panel by Molecular Barcode Next-Generation Sequencing." *2nd Global Congress on Molecular Pathology*, 2019, Hong Kong, May 16-18 2019. Also appeared on the *Journal of Molecular Diagnostics*, 2019, Vol. 21(Suppl): S45.

76. IP BK, Au CH, Chan TL, Ma ESK. "Minimal Residual Disease Monitoring of Rare Fusion Transcripts in Haematological Malignancies Using Droplet Digital PCR: A Step Forward towards Precision Medicine." *2nd Global Congress on Molecular Pathology*, 2019, Hong Kong, May 16-18 2019. Also appeared on the *Journal of Molecular Diagnostics*, 2019, Vol. 21(Suppl): S32.

#### Global Breast Cancer Conference, 2019

##### Poster Presentation

77. Chan TL, Wong EYL, Ho CYS, Ho DNY, Au CH, Luk WP, Fung LH, Shin VY, Ma ESK, Kwong A. "The BRCA1 Promoter Hypermethylation in the Blood DNA of Stage I/II Non-BRCA1/BRCA2 Patients." *Global Breast Cancer Conference*, 2019, Incheon, Korea, April 25-27, 2019.

American College of Medical Genetics and Genomics (ACMG) Annual Clinical Genetics Meeting, 2019

Poster Presentation

78. Chung Y, Ho DN, Au CH, Lau J, Wong EYL, Chai J, Rocha KA, Xue L, Shum TW, Lok IH, Tang OS, Chan TL, Ma ESK. "Clinical Applications of Long-Read PCR-Free Whole-Genome Sequencing (WGS) for Structural Variations (SVs) and Chromosomal Aneuploidy." *American College of Medical Genetics and Genomics (ACMG) Annual Clinical Genetics Meeting, 2019, Seattle, USA, April 2-6, 2019.*

Annual Congress of European Society for Radiotherapy & Oncology (ESTRO), 2019

Poster Presentation

79. Choi HHF, Lee TY, Ho YW, Wong WKR, Cheung KY, Yu SK. "Impact of leaf spread function on fluence reconstruction from exit detector signals in TomoTherapy." *ESTRO 38 Annual Congress, 2019, Milan, Italy, Apr 26 - 30, 2019.* Also appeared on *Radiotherapy & Oncology, 2019, Vol. 133(Suppl 1): S945.*
80. Lam WW, Lee HFV, Cheung KY, Yu SK. "Dosimetric benefit on adaptive IMPT for patients with locally advanced nasopharyngeal carcinoma." *ESTRO 38 Annual Congress, 2019, Milan, Italy, Apr 26 - 30, 2019.* Also appeared on *Radiotherapy & Oncology, 2019, Vol. 133(Suppl 1): S638.*
81. Lee TY, Law MWK, Cheung CW, Tang KK, Chow SWK, Lee LWM, Wong M, Yoo SH, Nam PH, Lee JWY, Yu SK. "Probabilistic Modeling of Patient Setup Time in VMAT Treatments Based on Anatomical Regions." *ESTRO 38 Annual Congress, 2019, Milan, Italy, Apr 26 - 30, 2019.* Also appeared on *Radiotherapy & Oncology, 2019, Vol. 133(Suppl 1): S1151-S1152.*
82. Ng SY, Wu VWC, Chiu G. "Evaluation of CBCT and Orthogonal X-ray for Position verification in Radiotherapy of Prostate Cancer." *ESTRO 38 Annual Congress, 2019, Milan, Italy, Apr 26 - 30, 2019.* Also appeared on *Radiotherapy & Oncology, 2019, Vol. 133(Suppl 1): S618-S619.*

83. Yang B, Geng H, Lam WW, Cheung KY, Yu SK. "Performance of ArcCHECK based quality assurance in helical tomotherapy with TomoEdge technology." *ESTRO 38 Annual Congress*, 2019, Milan, Italy, Apr 26 - 30, 2019. Also appeared on *Radiotherapy & Oncology*, 2019, Vol. 133(Suppl 1): S941.
84. Yang B, Lam WW, Geng H, Cheung KY, Yu SK. "Evaluation of treatment efficiency for helical tomotherapy with TomoEdge technology." *ESTRO 38 Annual Congress*, 2019, Milan, Italy, Apr 26 - 30, 2019. Also appeared on *Radiotherapy & Oncology*, 2019, Vol. 133(Suppl 1): S1000-S1001.
85. Yuan J, Lo GG, Wong OL, Cheng KF, Fung WWK, Zhou YH, Chiu G, Cheung KY, Yu SK. "Intra-fraction motion assessment of frameless intracranial radiosurgery using 1.5T MR simulator." *ESTRO 38 Annual Congress*, 2019, Milan, Italy, Apr 26 - 30, 2019. Also appeared on *Radiotherapy & Oncology*, 2019, Vol. 133(Suppl 1): S1064-S1065.
86. Yuan J, Lo GG, Zhou Y, Wong OL, Fung WWK, Cheng KF, Cheung KY, Yu SK. "GTV definition agreement in brain metastasis radiosurgery using 1.5T MRI-sim: a multi-observer study." *ESTRO 38 Annual Congress*, 2019, Milan, Italy, Apr 26 - 30, 2019. Also appeared on *Radiotherapy & Oncology*, 2019, Vol. 133(Suppl 1): S610.
87. Zhou Y, Fung WWK, Cheng KF, Yuan J, Wong OL, Chiu G, Cheung KY, Yu SK. "Efficiency Boosting of HN Positional Verification Using Highly Acceleration 3D MR Imaging in MRgRT." *ESTRO 38 Annual Congress*, 2019, Milan, Italy, Apr 26 - 30, 2019. Also appeared on *Radiotherapy & Oncology*, 2019, Vol. 133(Suppl 1): S1121-S1122.
88. Zhou Y, Yuan J, Cheng KF, Fung WWK, Wong OL, Chiu G, Cheung KY, Yu SK. "Assessment of Inter-Sessional Positional Reproducibility in the HN Sub-Regions Using 1.5T MR-Sim." *ESTRO 38 Annual Congress*, 2019, Milan, Italy, Apr 26 - 30, 2019. Also appeared on *Radiotherapy & Oncology*, 2019, Vol. 133(Suppl 1): S1087.

Annual Meeting & Exhibition of International Society for Magnetic Resonance in Medicine (ISMRM), 2019

Oral Presentation

89. Law MWK, Lo GG, Zhou Y, Yuan J, Wong OL, Yu SK. “Integrating Imaging Prior Knowledge in Deep Convolutional Network – A Novel Approach of Cranial Pseudo-CT Generation.” *ISMRM 27th Annual Meeting & Exhibition*, 2019, Montreal, QC, Canada, May 11-16, 2019
90. Xue C, Yuan J, Ai V, Chan H, Lo G. “Unsupervised Hierarchical Clustering of PET/MRI Radiomics Features Might Be Helpful to Predict Response to Neoadjuvant Chemotherapy of Breast Cancer.” *ISMRM 27th Annual Meeting & Exhibition*, 2019, Montreal, QC, Canada, May 11-16, 2019.

Poster Presentation

91. Wong OL, Yuan J, Zhou Y, Yu SK, Cheung KY. “Respiratory motion characterization and motion uncertainty estimation using a fast 3D+t MRI and bootstrapping for abdominal radiotherapy.” *ISMRM 27th Annual Meeting & Exhibition*, 2019, Montreal, QC, Canada, May 11-16, 2019.
92. Yuan J, Wong OL, Fung W, Lo G, Cheng F, Zhou Y, Chiu G, Cheung KY, Yu SK. “The value of 1.5T contrast-enhanced T1 SPACE sequence in the simulation and planning for Cyberknife stereotactic radiosurgery of brain metastases: patient positioning accuracy, lesion detectability, and target delineation reliability.” *ISMRM 27th Annual Meeting & Exhibition*, 2019, Montreal, QC, Canada, May 11-16, 2019.
93. Yuan J, Zhou Y, Wong OL, Fung W, Cheng F, Cheung KY, Chiu G, Yu SK. “Assessment of inter-fractional positional accuracy of anterior visual pathway in a frameless stereotactic radiosurgery using an MR-simulator.” *ISMRM 27th Annual Meeting & Exhibition*, 2019, Montreal, QC, Canada, May 11-16, 2019.
94. Zhou Y, Yuan J, Wong OL, Cheung KY, Yu SK. “How long a 4D-MRI do we need for abdominal radiotherapy treatment planning? A time dependence analysis of abdominal motion probability distribution function using ultra-fast

volumetric dynamic MRI.” *ISMRM 27th Annual Meeting & Exhibition*, 2019, Montreal, QC, Canada, May 11-16, 2019.

95. Zhou Y, Yuan J, Wong OL, Cheung KY, Yu SK. “Investigation of Abdominal Organ Respiratory Motion Probability Distribution Function and its Inter-Fractional Reproducibility Assessment Using Fast Volumetric 4D-MRI for Probability-Based Radiotherapy Planning.” *ISMRM 27th Annual Meeting & Exhibition*, 2019, Montreal, QC, Canada, May 11-16, 2019.

The 58<sup>th</sup> Annual Conference of the Particle Therapy Co-operative Group (PTCOG), 2019

#### Poster Presentation

96. Chiu TL, Choi HHF, Cheung CW, Yu SK. “Connections between rogue waves and the dynamics of poles for Nonlinear Schrödinger Equation of charged-particle beams in accelerators.” *PTCOG 58*, 2019, Manchester, UK, June 10-15, 2019.
97. Choi HHF, Huang CY, Wong WKR, Ho YW, Cheung KY, Yu SK. “Elucidating uncertainties in radiobiological parameters in proton beam irradiation by a global fit.” *PTCOG 58*, 2019, Manchester, UK, June 10-15, 2019.
98. Choi HHF, Nam PH, Chiu TL, Cheung CW, Cheung KY, Yu SK. “A single quality factor for all ion types? How relative biological effectiveness relates to various beam quality factors.” *PTCOG 58*, 2019, Manchester, UK, June 10-15, 2019.
99. Lam WW, Geng H, Tang KK, Lee TY, Kong CW, Yang B, Chiu TL, Cheung KY, Yu SK. “Dosimetric Comparison of Intensity Modulated Proton Therapy (IMPT) versus Volumetric Modulated Arc Therapy (VMAT) on early stage left breast cancer.” *PTCOG 58*, 2019, Manchester, UK, June 10-15, 2019.

International Federation for the Surgery of Obesity and Metabolic Disorders - Asia Pacific Chapter (IFSO-APC), 2019

#### Oral Presentation

100. Wu T, Wong CKH, Tong DKH, Leung DKW, Law BTT, Lam CLK. “Effectiveness of bariatric surgery on disease remission, weight loss and changes of metabolic parameters in obese patients with type 2 diabetes: a population-based propensity score-matched cohort study.” *International Federation for the Surgery of Obesity and Metabolic Disorders - Asia Pacific Chapter (IFSO-APC)*, 2019, Guangzhou, China, March 21-23, 2019.

7th International Congress on Magnetic Resonance Imaging (ICMRI) & 24th Annual Scientific Meeting of Korean Society of Magnetic Resonance in Medicine (KSMRM), 2019

Poster Presentation

101. Zhou YH, Wong OL, Xue C, Yuan J. “Investigation of the Effect of Volumetric Temporal Resolution on the Abdominal Motion Probability Distribution Function using 4D MRI.” *ICMRI 2019*, Seoul, Korea, March 28-30, 2019.
102. Xue C, Lo GG, Yuan J. “Relationship of PET/MRI Radiomics Features and Histopathology Characteristics and the Response to Neoadjuvant Chemotherapy of Breast Cancer.” *ICMRI 2019*, Seoul, Korea, March 28-30, 2019.

Annual Congress of the European Association of Nuclear Medicine (EANM), 2019

Oral Presentation

103. Chen S, Leung YL, Au L, Lau YT, Mok V, Ho CL. “Incremental Value Of Tau Burden Quantified By 18F-AV-1451 PET/CT Over Conventional 11C-PIB And 18F-FDG PET/CT For Alzheimer’S Disease.” *Annual Congress of the European Association of Nuclear Medicine*, Barcelona, Spain, October 12-16, 2019. Also appeared in *European Journal of Nuclear Medicine and Molecular Imaging*, 2019, Vol. 46(Suppl. 1):S180.
104. Ho CL, Chen S, Cheung SK, Leung YL, Cheng KC, Wong KN, Wong YH, Wu KK, Liang R. “11C-acetate Is The Preferred Tracer Over 18F-FDG In PET/CT Evaluation Of Active Multiple Myeloma: A Follow-up Study With A Larger Cohort Of Patients.” *Annual Congress of the European Association of*



*Nuclear Medicine*, Barcelona, Spain, October 12-16, 2019. Also appeared in *European Journal of Nuclear Medicine and Molecular Imaging*, 2019, Vol. 46(Suppl. 1):S264.

Poster Presentation

105. Cheung JM, Ng N, Liu K, Ho CL. “A Modified Procedure for the Synthesis of a Potential Tau Imaging Agent [18F]-THK5351 Employing a Sumitomo Semi-automatic Chemical Synthesizer F121R.” *Annual Congress of the European Association of Nuclear Medicine*, Barcelona, Spain, October 12-16, 2019. Also appeared in *European Journal of Nuclear Medicine and Molecular Imaging*, 2019, Vol. 46(Suppl. 1):S728.

American Society for Microbiology (ASM) Microbe, 2019

Poster Presentation

106. Lam HY, Wong ATC, Ng MK, Tang BSF. “Performance Evaluation of the New EMAG Nucleic Acid Extraction System for the Detection of Respiratory Pathogens Using Luminex NxTAG Respiratory Pathogens Panel.” *American Society for Microbiology (ASM) Microbe 2019*, San Francisco, CA, USA, June 20-24, 2019.

Nanopore Tech Tour, 2019

Poster Presentation

107. Au CH, Ho DN, Chung Y, Wong EYL, Lau J, Chan TL, Ma ESK. “Clinical applications of structural variation detection by real-time long-read sequencing.” *Nanopore Tech Tour 2019*, Shanghai, China, September 26, 2019.

The 14th Chinese Laboratory Medicine Conference, 2019

Poster Presentation

108. Leung PY, Ng EHY, Chan THC, Lau YS, Ma ESK. “Evaluation of Platelet Count and Mean Platelet Volume (MPV) Measurement by Digital

Microscopy.” *The 14th Chinese Laboratory Medicine Conference*, 2019, Taipei, November, 1-4, 2019.

San Antonio Breast Cancer Symposium, 2019

Poster Presentation

109. Kwong A, Au CH, Ho DN, Wong EYL, Chung Y, Law FBF, Ho CYS, Chen J, Cheuk IWY, Shin VY, Chan TL, Ngan HYS, Ma ESK. “Personalized and cost-effective detection of copy number variants by molecular-barcode next-generation sequencing and long-read nanopore sequencing.” *San Antonio Breast Cancer Symposium*, 2019, San Antonio, Texas, USA, December 10-14, 2019.

American Society of Hematology Annual Meeting, 2019

Poster Presentation

110. Tsui SP, Ip AHW, Zhang C, Tang TWF, Lin CH, Cheung A, Cheng G, So JCC, Leung SY, Au CH, Ma ESK, Chan TL, Ng M, Cheng KCK, Wong KF, Siu LLP, Yip SF, Lau SJ, Luk TH, Lee HKK, Lau CK, Kho B, Kwong YL, Javed A, Leung AYH. “A Mutation Pentad Defined Outcome of De Novo and Cytogenetically Normal Acute Myeloid Leukaemia in Young Adults.” *American Society of Hematology Annual Meeting*, 2019, Orlando, FL, USA, December 7-10, 2019. Also appeared in *Blood*, Vol. 134(Supplement\_1):1400.
111. Zhang C, Leung GMK, Tsui SP, Ip HW, Ma ESK, Au CH, Chan TL, Ng KLN, Yip SF, Kho B, Lee HKK, Liu Q, Leung TWY, Kwong YL, Leung AYH. “A Phase II Single-arm Open-labeled Study Evaluating Combination of Quizartinib and Omacetaxine Mepesuccinate (QUIZOM) in Newly Diagnosed or Relapsed/Refractory AML carrying FLT3-ITD.” *American Society of Hematology Annual Meeting*, 2019, Orlando, FL, USA, December 7-10, 2019. Also appeared in *Blood*, Vol. 134(Supplement\_1):3825.

1st Congress of International Society for the Study of Pleura and Peritoneum (ISSPP), 2019

#### Poster Presentation

112. Chang TYA, Yip J, Ng TY, Luk WPL, Fung LHT, Cheng YS, Wong ST, Ngan KCR. “Adjuvant Intraperitoneal Chemotherapy and HIPEC for newly diagnosed stage III ovarian cancer patients in Hong Kong: case report and systematic review of the evidence.” *1st Congress of International Society for the Study of Pleura and Peritoneum (ISSPP)*, 2019, Singapore, November 29-30, 2019

#### The 35<sup>th</sup> Japan Conference of Radiological Technologists (JCRT), 2019

#### Poster Presentation

113. Liu MCW, Lee R, Chan PLP, Yu W, Tang J, Kong KSF, Li WW, Yuen CT, Chung WK. “Evaluation of the detection of prostate cancer with multiparametric magnetic resonance imaging.” *The 35<sup>th</sup> Japan Conference of Radiological Technologists (JCRT)*, 2019, Saitama, Japan, September 14-16, 2019.

#### The 61st Annual Meeting & Exhibition of American Association of Physicists in Medicine (AAPM), 2019

#### Oral Presentation

114. Choi HHF, Yoo SH, Cheung KY, Yu SK. “Oxygen Enhancement Ratio for Various Charged Ion Types: Is There a Better Qualifier Than the Linear Energy Transfer?” *The 61st Annual Meeting & Exhibition of the American Association of Physicists in Medicine*, San Antonio, TX, July 14-18, 2019.
115. Law MWK, Yuan J, Lo G, Wong OOL, Zhou Y, Yu SK. “Radiotherapy-Specific Imaging Prior Knowledge and Its Impact in Deep Learning Based Cranial Pseudo-CT Generation.” *The 61st Annual Meeting & Exhibition of the American Association of Physicists in Medicine*, San Antonio, TX, July 14-18, 2019.
116. Wong OOL, Yuan J, Zhou Y, Yu SK, Cheung KY. “A potential approach of real-time motion tracking of MR-guided-radiotherapy using ultra-fast volumetric 4D-MRI generated VOI positional probability distribution.” *The*

*61st Annual Meeting & Exhibition of the American Association of Physicists in Medicine, San Antonio, TX, July 14-18, 2019.*

#### Poster Presentation

117. Cheung CW, Kong CW, Choi HHH, Cheung KY, Yu SK. "Evaluation of Factors Affecting Absolute Gamma Passing Rates in ArcCHECK Measurements in Tomotherapy." *The 61st Annual Meeting & Exhibition of the American Association of Physicists in Medicine, San Antonio, TX, July 14-18, 2019.*

118. Yang B, Lam W, Law M, Ho Y, Ho C, Cheung K, Yu S. "Comparison of Beam Data Collected With and Without Crossline Offset for a 1.5T MR-Linac." *The 61st Annual Meeting & Exhibition of the American Association of Physicists in Medicine, San Antonio, TX, July 14-18, 2019.*

The 61<sup>st</sup> Annual Meeting of the American Society for Radiation Oncology (ASTRO), 2019

#### Oral Presentation

119. Wong OL, Yuan J, Zhou Y, Yu SK. "Gating Window Optimization for Respiratory Phase-Gated Radiotherapy Using the Ultra-Fast Volumetric 4D-MRI Generated 3D Probability Distribution Map." *The 61st Annual Meeting of the American Society for Radiation Oncology (ASTRO), Chicago, IL, September 15-18, 2019.*

Annual Academic Conference of Taiwan Society for Therapeutic Radiology and Oncology (TASTRO), 2019

#### Invited talk

120. Yuan J. "MRI for the guidance in radiotherapy: challenges, opportunities and future developments." *Annual Academic Conference of Taiwan Society for Therapeutic Radiology and Oncology (TASTRO), 2019, Taipei, November 9, 2019.*

25<sup>th</sup> European Congress of Radiology(ECR), 2019

Poster Presentation

121. Chan PLP, Liu MCW, Li WW, Yuen CT, Tang J, Chung WK, Kong KSF. “The Role of MR Myelography in Detection Cerebrospinal Fluid Leakage Causing Spontaneous Intracranial Hypotension” *25<sup>th</sup> ECR*, 2019, Vienna, Wien, February 27 – March 3, 2019

105<sup>th</sup> Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA), 2019

Poster Presentation

122. Xue C, Lo G, Wong OL, Yuan J. “The Prevalance and Stability Predictors of Pancreatic Lesions Screened by Non-contrast Whole-body MRI” *RSNA 2019*, McCormick Place, Chicago, December 1-6, 2019.