

# Publication List

2020

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## Journal Publications

1. Au CH, Chan WS, Lam HY, Ho DN, Lam SYM, Zee JST, Chan TL, Ma ESK. “Genome Sequences of SARS-CoV-2 Strains Detected in Hong Kong.” *Microbiology Resource Announcements*, 2020, Vol. 9(31): e00697-20.
2. Barnes DR et al. (Kwong A) “Polygenic risk scores and breast and epithelial ovarian cancer risks for carriers of BRCA1 and BRCA2 pathogenic variants.” *Genetics in Medicine*, 2020, Vol. 22(10): 1653-1666.
3. Chan OSH, Lam KC, Li JYC, Choi FPT, Wong CYH, Chang ATY, Mo FKF, Wang K, Yeung RMW, Mok TSK. “ATOM: A Phase II Study to Assess Efficacy of Preemptive Local Ablative Therapy to Residual Oligometastases of NSCLC After EGFR TKI.” *Lung Cancer*, 2020, Vol. 142: 41-46.
4. Chan TCY, Ng ALK, Wang Z, Chang JSM, Cheng GPM. “Five-Year Changes in Corneal Astigmatism After Combined Femtosecond-Assisted Phacoemulsification and Arcuate Keratotomy.” *American Journal of Ophthalmology*, 2020, Vol. 217: 232-239.
5. Chan WS, Au CH, Chung Y, Leung HCM, Ho DN, Wong EYL, Lam TW, Chan TL, Ma ESK, Tang BSF. “Rapid and economical drug resistance profiling with Nanopore MinION for clinical specimens with low bacillary burden of *Mycobacterium tuberculosis*.” *BMC Research Notes*, 2020, Vol. 13(1): 444.
6. Chan WS, Au CH, Lam HY, Wang CLN, Ho DN, Lam YM, Chu DKW, Poon LLM, Chan TL, Zee JS, Ma ESK, Tang BSF. “Evaluation on the use of Nanopore sequencing for direct characterization of coronaviruses from respiratory specimens, and a study on emerging missense mutations in partial RdRP gene of SARS-CoV-2.” *Virology Journal*, 2020, Vol. 17(1): 183.

7. Chan WS, Au CH, Leung SM, Ho DN, Wong EYL, To MY, Ng MK, Chan TL, Ma ESK, Tang BSF. "Potential utility of targeted Nanopore sequencing for improving etiologic diagnosis of bacterial and fungal respiratory infection." *Diagnostic Pathology*, 2020, Vol. 15(1): 41.
8. Chan WS, Chan TL, Au CH, Leung CP, To MY, Ng MK, Leung SM, Chan MKM, Ma ESK, Tang BSF. "An economical Nanopore sequencing assay for human papillomavirus (HPV) genotyping." *Diagnostic Pathology*, 2020, Vol. 15(1): 45.
9. Chan YH, Yue IK, Ho CM, Cheung PS. "The Use of Serratus Anterior Fascial Flap in Integrated Mastectomy and Implant Reconstruction." *World Journal of Surgery*, 2020, Vol. 44(3): 825-830.
10. Chan YY, Ku KM, Ng YP, Yu SK, Kong CW, Mui WL, Wong CM, Kong SW, Wong SM, Chiu G. "Evaluation of an in-house self-held respiration monitoring device for deep inspiration breath hold techniques for radiotherapy of patients with cancer of the left breast." *Journal of Radiotherapy in Practice*, 2020, Vol. 19(2): pp.122-126.
11. Chang JSM, Liu SCT, Ng JCM, Ma PL. "Monovision with a bifocal diffractive multifocal intraocular lens in presbyopic patients: A prospective, observational case series." *American Journal of Ophthalmology*, 2020, Vol. 212: P105-115.
12. Chau MHK, Lam DYM, Zhu X, Kwok YKY, Ting YH, Chan WP, Shi M, Cheung SWH, Lau TK, Ville Y, Leung TY, Choy KW. "The Utility of Genome-Wide Cell-Free DNA Screening in the Prenatal Diagnosis of Pallister-Killian Syndrome." *Prenatal Diagnosis*, 2020, Vol. 40(8): 1005-1012.
13. Chen J, Cheuk IWY, Siu MT, Yang W, Cheng ASL, Shin VY, Kwong A. "Human heptoglobin contributes to breast cancer oncogenesis through glycolytic activity modulation." *American Journal of Cancer Research*, 2020, Vol.10(9): 2865-2877.

14. Chen J, Shin VY, Ho JC, Siu MT, Cheuk IW, Kwong A. "Functional Implications of Cathelicidin Antimicrobial Protein in Breast Cancer and Tumor-Associated Macrophage Microenvironment." *Biomolecules*, 2020, Vol.10(5): 688.
15. Cheng PWC et al. (Lo GG, Leung YLE, Au Yeung KMP, Chen S, Ho CL) "The role of dopamine dysregulation and evidence for the transdiagnostic nature of elevated dopamine synthesis in psychosis: a positron emission tomography (PET) study comparing schizophrenia, delusional disorder, and other psychotic disorders." *Neuropsychopharmacology*, 2020, Vol. 45(11): 1870-1876.
16. Cheuk IW, Siu MT, Ho JC, Chen J, Shin VY, Kwong A. "ITGAV targeting as a therapeutic approach for treatment of metastatic breast cancer." *American Journal of Cancer Research*, 2020, Vol. 10(1): 211-223.
17. Cheung DST, Tiwari A, Chan KL, Fong DYT, Chau PH, Yuen FKH, Tolman RM. "Validation of the Psychological Maltreatment of Women Inventory for Chinese Women." *Journal of Interpersonal Violence*, 2020, Vol. 35(21-22): 4614-4639.
18. Cheung DST, Tiwari A, Yeung WF, Yu DSF, So MKP, Chau PH, Wang XM, Lum TYS, Yuk Fung HYK, Ng BYM, Zhang ZJ, Lao L. "Self-Administered Acupressure for Caregivers of Older Family Members: A Randomized Controlled Trial." *Journal of the American Geriatrics Society*, 2020, Vol. 68(6): 1193-1201.
19. Chow EHY, Tiwari A. "Addressing the Needs of Abused Chinese Women Through a Community-Based Participatory Approach." *Journal of Nursing Scholarship*, 2020, Vol. 52(3): 242-249002E.
20. Chow JCH, Tam AHP, Cheung KM, Lee VHF, Chiang CL, Tong M, Wong ECY, Cheung AKW, Chan SPC, Lai JWY, Ngan RKC, Ng WT, Lee AWM, Au KH. "Second primary cancer after intensity-modulated radiotherapy for nasopharyngeal carcinoma: A territory-wide study by HKNPCSG." *Oral Oncology*, 2020, Vol. 111: 105012.

21. Chow LWL, Fung NSK, Kwok KHA. "Premium intraocular lens implantation in eyes with vitrectomy done." *International Ophthalmology*, 2020, Vol. 40(11): 2949-2956.
22. Choy BNK, You Q, Zhu MM, Lai JSM, Ng ALK, Wong IYH. "Prevalence and Associations of Myopia in Hong Kong Primary School Students." *Japanese Journal of Ophthalmology*, 2020, Vol. 64(4): 437-449.
23. Chu AM, So MK, Chan TW, Tiwari A. "Estimating the dependence of mixed sensitive response types in randomized response technique." *Statistical Methods in Medical Research*, 2020, Vol. 29(3): 894-910.
24. Chu AMY, Tiwari A, So MKP. "Detecting Early Signals of COVID-19 Global Pandemic From Network Density." *Journal of Travel Medicine*, 2020, Vol. 27(5): taaa084
25. Chu AMY, Tsang JTY, Chan JNL, Tiwari A, So MKP. "Analysis of travel restrictions for COVID-19 control in Latin America through network connectedness." *Journal of Travel Medicine*, 2020, Vol. 27(8): taaa176
26. Co M, Lee A, Kwong A. "Delayed presentation, diagnosis, and psychosocial aspects of male breast cancer." *Cancer Medicine*, 2020, Vol. 9(10): 3305-3309.
27. Fachal L et al. (Kwong A) "Fine-mapping of 150 Breast Cancer Risk Regions Identifies 191 Likely Target Genes." *Nature Genetics*, 2020, Vol. 52(1): 56-73.
28. Gill H et al. (Ma ESK) "Clofarabine, cytarabine, and mitoxantrone in refractory/relapsed acute myeloid leukemia: High response rates and effective bridge to allogeneic hematopoietic stem cell transplantation." *Cancer Medicine*, 2020, Vol. 9(10): 3371-3382.
29. Gill H, Leung GMK, Yim R, Lee P, Pang HH, Ip HW, Leung RYY, Li J, Panagiotou G, Ma ESK, Kwong YL. "Myeloproliferative neoplasms treated with hydroxyurea, pegylated interferon alpha-2A or ruxolitinib: clinicohematologic responses, quality-of-life changes and safety in the real-world setting." *Hematology*, 2020, Vol. 25(1): 247-257.

30. Ho CL, Wu KK, Chen SR. "Current status of PSMA PET imaging in prostate cancer." *Asian-Pacific Journal of Clinical Oncology*, 2020, Vol. 16(Suppl. 3): 7-11.
31. Ho WK et al. (Kwong A, Chan TL) "European polygenic risk score for prediction of breast cancer shows similar performance in Asian women." *Nature Communications*, 2020, Vol. 11: 3833.
32. Hyungtaek Rim T et al. (Wong IY) "Prevalence and Pattern of Geographic Atrophy in Asia: The Asian Eye Epidemiology Consortium." *Ophthalmology*, 2020, Vol. 127(10): 1371-1381.
33. Ko JM, Ning L, Zhao XK, Chai AWY, Lei LC, Choi SSA, Tao L, Law S, Kwong A, Lee NP, Chan KT, Lo A, Song X, Chen PN, Chang YL, Wang LD, Lung ML. "BRCA2 loss-of-function germline mutations are associated with esophageal squamous cell carcinoma risk in Chinese." *International Journal of Cancer*, 2020, Vol. 146(4): 1042-1051.
34. Kramer I et al. (Kwong A) "Breast Cancer Polygenic Risk Score and Contralateral Breast Cancer Risk." *American Journal of Human Genetics*, 2020, Vol. 107(5): 837-848.
35. Kwong A, Cheuk IW, Shin VY, Ho CY, Au CH, Ho DN, Wong EY, Yu SW, Chen J, Chan KK, Ngan HY, Chan TL, Ma ES. "Somatic mutation profiling in BRCA-negative breast and ovarian cancer patients by multigene panel sequencing." *American Journal of Cancer Research*, 2020, Vol. 10(9): 2919-2932.
36. Kwong A, Shin VY, Chen J, Cheuk IWY, Ho CYS, Au CH, Chan KKL, Ngan HYS, Chan TL, Ford JM, Ma ESK. "Germline Mutation in 1338 BRCA-Negative Chinese Hereditary Breast and/or Ovarian Cancer Patients: Clinical Testing With a Multigene Test Panel." *The Journal of Molecular Diagnostics*, 2020, Vol. 22(4): 544-554.
37. Kwong A, Shin VY, Ho CYS, Au CH, Slavin TP, Weitzel JN, Chan TL, Ma ESK. "Mutation screening of germline TP53 mutations in high-risk Chinese breast cancer patients." *BMC Cancer*, 2020, Vol. 20(1): 1053.

38. Lam JC, Wu VW, Chiu G, Kong PS, Wong CM. "A Comparison of Dose and Set-Up Accuracy Between Flexed and Extended Neck Positions in Helical Tomotherapy of Nasopharyngeal Carcinoma." *Medical Dosimetry*, 2020, Vol. 45(3): 235-240.
39. Lam PY, Shih KC, Fong PY, Chan TCY, Ng AL, Jhanji V, Tong L. "A Review on Evidence-Based Treatments for Meibomian Gland Dysfunction." *Eye Contact Lens*, 2020, Vol. 46(1): 3-16.
40. Lam TP, Chan HY, Piterman L, Wong MW, Sun KS, Lam KF, Chan TH, Dan W, Tiwari A. "Factors that facilitate recognition and management of domestic violence by primary care physicians in a Chinese context - a mixed methods study in Hong Kong." *BMC Family Practice*, 2020, Vol. 21(1): 155.
41. Lau SLC, Fan DSP, Li KKW. "Safety and efficacy of atropine treatment for slowing myopia progression in children: a 5-year review." *Hong Kong Journal of Ophthalmology*, 2020, Vol. 24(1): 11-14.
42. Lin TPH, Wang YM, Ho K, Wong CYK, Chan PP, Wong MOM, Chan NCY, Tang F, Lam A, Leung DY, Wong TY, Cheng CY, Cheung CY, Tham CC. "Global assessment of arteriolar, venular and capillary changes in normal tension glaucoma." *Scientific Reports*, 2020, Vol. 10(1): 19222.
43. Or CK, Liu K, So MKP, Cheung B, Yam LYC, Tiwari A, Lau YFE, Lau T, Hui PSG, Cheng HC, Tan J, Cheung MT. "Improving Self-Care in Patients With Coexisting Type 2 Diabetes and Hypertension by Technological Surrogate Nursing: Randomized Controlled Trial." *Journal of Medical Internet Research*, 2020, Vol. 22(3): e16769
44. Patel VL et al. (Ma ESK) "Association of Genomic Domains in BRCA1 and BRCA2 with Prostate Cancer Risk and Aggressiveness." *Cancer Research*, 2020, Vol. 80(3): 624-638.
45. Qamar S, King AD, Ai QH, Mo FKF, Chen W, Poon DMC, Tong M, Ma BB, Yeung DK, Wang YX, Yuan J. "Pre-treatment amide proton transfer imaging predicts treatment outcome in nasopharyngeal carcinoma." *European Radiology*, 2020, Vol. 30(11): 6339-6347.

46. Qamar S, King AD, Ai QH, So TY, Mo FKF, Chen W, Poon DMC, Tong M, Ma BB, Hui EP, Yeung DK, Wang YX, Yuan J. "Pre-treatment intravoxel incoherent motion diffusion-weighted imaging predicts treatment outcome in nasopharyngeal carcinoma." *European Journal of Radiology*, 2020, Vol. 129: 109127.
47. Shao T, Wang Y, Ng ALK, Chan TCY, Hao W, Zhang J, Cheng GPM, Jhanji V. "The Effect of Intraoperative Angle Kappa Adjustment on Higher-Order Aberrations Before and After Small Incision Lenticule Extraction." *Cornea*, 2020, Vol. 39(5): 609-614.
48. Shu X et al. (Chan TL, Kwong A) "Identification of novel breast cancer susceptibility loci in meta-analyses conducted among Asian and European descendants." *Nature Communications*, 2020, Vol. 11: 1217.
49. Silvestri V et al. (Kwong A) "Characterization of the Cancer Spectrum in Men With Germline BRCA1 and BRCA2 Pathogenic Variants: Results From the Consortium of Investigators of Modifiers of BRCA1/2 (CIMBA)." *JAMA Oncology*, 2020, Vol. 6(8): 1218-1230.
50. So MKP, Tiwari A, Chu AMY, Tsang JTY, Chan JNL. "Visualising COVID-19 Pandemic Risk Through Network Connectedness." *International Journal of Infectious Diseases*, 2020, Vol. 96: 558-561.
51. Suen TD, Luk WP, Fung LH, Kwong A. "Matched case-control survival analysis of older chinese breast cancer patients treated with surgery or primary endocrine therapy." *Cancer Treatment and Research Communications*, 2020, Vol. 25: 100227.
52. Tam IYS, Lau HYA, Tam SY, Lee TH. "Mast Cell Activation Test Using Patient-Derived Mast Cells Exhibits Distinct Combinatorial Phenotypic Profiles Among Allergic Patients." *Allergy*, 2020, Vol. 75(7): 1796-1799.
53. Tham YC et al. (Wong IY) "Is Kidney Function Associated With Primary Open-Angle Glaucoma? Findings From the Asian Eye Epidemiology Consortium." *British Journal of Ophthalmology*, 2020, Vol. 104(9): 1298-1393.

54. Tsang CC, Tang JYM, Ye H, Xing F, Lo SKF, Xiao C, Han L, Wu AKL, Ngan AHY, Law KC, To YN, Sze DTT, Chim OHY, Hui TWS, Leung CWH, Zhu T, Yao C, Tse BPH, Lau SKP, Woo PCY. "Rare/cryptic *Aspergillus* species infections and importance of antifungal susceptibility testing." *Mycoses*, 2020, Vol. 63(12): 1283-1298.
55. Tsoi MF, Chung MH, Cheung BMY, Lau CS, Cheung TT. "Epidemiology of gout in Hong Kong: a population-based study from 2006 to 2016." *Arthritis Research & Therapy*, 2020, Vol. 22(1): 204.
56. Tsui SP et al. (Au CH, Ma ES, Chan TL) "Redefining prognostication of de novo cytogenetically normal acute myeloid leukemia in young adults." *Blood Cancer Journal*, 2020, Vol. 10(10): 104.
57. Wan KH, Tsui RWY, Chan TCY. "Fluctuation in straylight measurements during the visual recovery phase after small incision lenticule extraction." *Eye (London)*, 2020, Vol. 34(2): 366-373.
58. Wei Y, Wu T, Tong DKH, Law BTT, Leung DKW, Lam CLK, Wong CKH. "Improvement in patient-reported outcomes in Chinese adults after bariatric surgery: 1-year follow-up of a prospective cohort." *Surgery For Obesity And Related Diseases*, 2020, Vol. 16(10): P1563-1572.
59. Wong IYH, Wong RLM, Chan JCH, Kawasaki R, Chong V. "Incorporating Optical Coherence Tomography Macula Scans Enhances Cost-effectiveness of Fundus Photography-Based Screening for Diabetic Macular Edema." *Diabetes Care*, 2020, Vol. 43(12): 2959-2966.
60. Wong PW, Lau JK, Choy BN, Shih KC, Ng AL, Chan JC, Wong IY. "Epidemiological factors associated with health knowledge of three common eye diseases: A community-based pilot survey in Hong Kong." *SAGE Open Medicine*, 2020, Vol. 8: 2050312120943044.
61. Wu T, Wong SKH, Law BTT, Grieve E, Wu O, Tong DKH, Leung DKW, Lam CLK, Wong CKH. "Five-year 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.” *Diabetes Metabolism Research and Reviews*, 2020, Vol. 36(3): e3236.
62. Yoo SH, Geng H, Chiu TL, Yu SK, Cho DC, Heo J, Choi MS, Choi IH, Cung Van C, Nhung NV, Min BJ, Lee H. “Deep Learning-Based Decision-Tree Classifier for COVID-19 Diagnosis From Chest X-ray Imaging.” *Frontiers in Medicine (Lausanne)*, 2020, Vol. 7: 427.
63. Yoo SH, Geng H, Lam WW, Kong CW, Yang B, Chiu TL, Wu PM, Cheung KY, Yu SK, Shin D, Min BJ. “Study on Treatment Planning for the Prostate in Proton Therapy with Oxygen Enhancement Ratio Effect.” *Journal of the Korean Physical Society*, 2020, Vol. 77(7): pp613-623.
64. You QS, Choy BKN, Chan JCH, Ng ALK, Shih KC, Cheung JJC, Wong JKW, Shum JWH, Ni MY, Lai JS, Leung GM, Wong TY, Wong IYH. “Prevalence and Causes of Visual Impairment and Blindness Among Adult Chinese in Hong Kong - The Hong Kong Eye Study.” *Ophthalmic Epidemiology*, 2020, Vol. 27(5): 354-363.
65. Yu Y, Tse KY, Lee HHY, Chow KL, Tsang HW, Wong RWC, Cheung ETY, Cheuk W, Lee VWK, Chan WK, Wong AST, Loong HHF, Chan KKL, Ngan HYS, Cheung ANY, Ip PPC. “Predictive biomarkers and tumor microenvironment in female genital melanomas: a multi-institutional study of 55 cases.” *Modern Pathology*, 2020, Vol. 33(1): 138-152.
66. Zhang C, Lam SSY, Leung GMK, Tsui SP, Yang N, Ng NKL, Ip HW, Au CH, Chan TL, Ma ESK, Yip SF, Lee HKK, Lau JSM, Luk TH, Li W, Kwong YL, Leung AYH. “Sorafenib and omacetaxine mepesuccinate as a safe and effective treatment for acute myeloid leukemia carrying internal tandem duplication of Fms-like tyrosine kinase 3.” *Cancer*, 2020, Vol. 126(2): 344-353.

### **Case Report**

67. Chan PP, Lam MCW, Baig N. “Case report - Acute Corneal Subepithelial Hydrops (ACSH) during Micropulse Transscleral Cyclophotocoagulation (MPTSC).” *BMC Ophthalmology*, 2020, Vol. 20(1): 409.

68. Chan TCY, Chan JCK, Lam NM, Chang JSM. "Transient corneal ectasia after phacoemulsification in an eye with femtosecond intrastromal presbyopic treatment." *Journal of Cataract & Refractive Surgery*, 2020, Vol. 46(1): 143-146.
69. Chau EMC, Ma ESK, Chan AOO, Tsoi TH, Law WL. "Mitochondrial cardiomyopathy due to m.3243A>G mitochondrial DNA mutation presenting in late adulthood: a case report." *Hong Kong Medical Journal*, 2020, Vol. 26(3): 240-242.
70. Goh V, Tse OD. "Management of Bilateral Mandibular Fused Teeth." *Cureus*, 2020, Vol. 12(4): e7899.
71. Kwok AKH. "Long-term outcomes of free internal limiting membrane transplant for unclosed macular holes after extensive internal limiting membrane peeling and silicone oil tamponade: a report of two cases." *Hong Kong Journal of Ophthalmology*, 2020, Vol. 24(1): 18-21.
72. Lam JCM. "Switching from long-acting beta-agonist and inhaled corticosteroid to long-acting beta-agonist and long-acting muscarinic antagonist for chronic obstructive pulmonary disease: a case report of inhaled corticosteroid withdrawal." *Internal Medicine Journal*, 2020, Vol. 50(Suppl 3), 15-18
73. Marabi M, Li JJX, Chan WK, Tsang JY, Tse GM. "Axillary Nodal Metastasis with Papillary Morphology: An Uncommon Origin." *Acta Cytologica*, 2020, Vol. 64(6): 612-616.
74. Szot JO, Campagnolo C, Cao Y, Iyer KR, Cuny H, Drysdale T, Flores-Daboub JA, Bi W, Westerfield L, Liu P, Leung TN, Choy KW, Chapman G, Xiao R, Siu VM, Dunwoodie SL. "Bi-allelic Mutations in NADSYN1 Cause Multiple Organ Defects and Expand the Genotypic Spectrum of Congenital NAD Deficiency Disorders." *The American Journal of Human Genetics*, 2020, Vol. 106(1): 129-136.
75. Wong HK, Law S, Collins R. "Gastric synovial sarcoma: a case report and literature review." *Hong Kong Medical Journal*, 2020, Vol. 26(2): 142-145.

## **Review Article**

76. Lee TH, Nair P, Corrigan CJ. “Review of monoclonal antibody therapies in asthma and allergic diseases - a new paradigm for precision medicine.” *Asian Pacific Journal of Allergy and Immunology*, 2020, Vol. 38(2):78-90

## **Clinical Communication**

77. Leung ASY, Leung NYH, Wai CYY, Xu KJY, Lam MCY, Shum YY, Lee TH, Ho MHK, Sou Da Rosa Duque J, Chua GT, Yau YS, Chan WH, Ho PK, Wong GWK, Leung TF. “Characteristics of Chinese Fish-Allergic Patients: Findings From Double-Blind Placebo-Controlled Food Challenges.” *The Journal of Allergy and Clinical Immunology: In Practice*, 2020, Vol. 8(6): 2098-2100.e8.

## **Editor’s Choice**

78. Gillessen S et al. (Poon DMC) “Management of Patients with Advanced Prostate Cancer: Report of the Advanced Prostate Cancer Consensus Conference 2019.” *European Urology*, 2020, Vol. 77(4): 508-547.

## **Editorial**

79. Yuan J. “Editorial for ‘Irregularity of Carotid Plaque Surface Predicts Subsequent Vascular Event: An MRI Study’” *Journal of Magnetic Resonance Imaging*, 2020, Vol. 52(1): 195-196.

## **Oral & Poster Presentations**

2<sup>nd</sup> The Association for Molecular Pathology (AMP) Europe Congress, 2020

### Poster Presentation

80. Chan TL, Au CH, Ho DNY, Wong EYL, Choi WWL, Ma ESK. “Culture Independent Aneuploidy Testing for Hematological Neoplasms.” *2<sup>nd</sup> AMP Europe Congress, Milan, Italy, 14-16 September, 2020*. Also appeared on *the Journal of Molecular Diagnostics*, 2020, Vol. 22(5): S33-S34.

European Congress of Radiology (ECR), 2020

#### Poster Presentation

81. Chung WK, Liu MCW, Lee R, Chan PLP, Li WW, Yuen CT, Tang J, Kong KSF, Chan KMM. “Quantitative and qualitative evaluation of MRI T1-weighted sequence SMS TSE versus conventional TSE in knee imaging at 1.5T Tesla MRI scanner.” *ECR 2020*, online, 15-19 July, 2020.
82. Lee R, Au Yeung KMP, Chan JKF, Lo G, Chan KMM. “Quantitative & Qualitative Evaluation of a 64-channel phase array coil and compare it to a 20-channel phase array in brain imaging at 3 Tesla scanner.” *ECR 2020*, online, 15-19 July, 2020.

#### Korean Congress of Radiology (KCR), 2020

#### Poster Presentation

83. Liu MCW, Chung WK, Wan CK, Chan CS, Ng TF, Tse TC. “Contrast-enhanced CAIPIRINHA-SPACE MRI for the Detection of Metastases at 1.5T MR Scanner.” *KCR 2020*, online, 17-19 September, 2020.

#### International Society for Magnetic Resonance in Medicine (ISMRM) & Society for MR Radiographers & Technologists (SMRT) Virtual Conference & Exhibition, 2020

#### Poster Presentation

84. Law MWK, Wong OL, Yuan J, Yu SK. “A Self-Regularized and Over-Determined Deep Network for Cranial Pseudo-CT Generation.” *ISMRM & SMRT Virtual Conference & Exhibition 2020*, online, 8-14 August, 2020.
85. Yuan J, Wong OL, Zhou Y, Ho YW, Cheung KY, Yu SK. “MR-guided-radiotherapy gating using 3D positional probability volume derived from time-resolved volumetric MRI: A conceptual study.” *ISMRM & SMRT Virtual Conference & Exhibition 2020*, online, 8-14 August, 2020.
86. Zhou Y, Li H, Yuan J, Ying L, Chueng KY, Yu SK. “Super-resolution MRI using deep convolutional neural network for adaptive MR-guided radiotherapy: a pilot study.” *ISMRM & SMRT Virtual Conference & Exhibition 2020*, online, 8-14 August, 2020.

87. Zhou Y, Yuan J, Cheung KY, Yu SK. "A Deep-Learning Based 3D Liver Motion Prediction for MR-guided-Radiotherapy." *ISMRM & SMRT Virtual Conference & Exhibition 2020*, online, 8-14 August, 2020.
88. Xue C, Lo GG, Ai V, Wong OL, Law M, Yuan J. "Classification of Breast Magnetic Resonance Imaging Using 3D Convolution Neural Network: A Pilot Study." *ISMRM & SMRT Virtual Conference & Exhibition 2020*, online, 8-14 August, 2020.
89. Xue C, Lo GG, Lee R, Liu MCW, Wong OL, Yuan J. "Geometric distortion Evaluation of integrated slice dependent shimming (iShim) using ACR MRI phantom." *ISMRM & SMRT Virtual Conference & Exhibition 2020*, online, 8-14 August, 2020.

European Society of Radiotherapy & Oncology (ESTRO) Online Congress 2020

Oral Presentation

90. Ho YW, Wong OL, Yuan J, Zhou YH, Cheung KY, Yu SK. "Improvement of respiratory motion monitoring using SENSE and Compressed SENSE for MR-guided radiotherapy." *ESTRO Online Congress 2020*, online, 28 November – 1 December, 2020.

Poster Presentation

91. Chan YY, Ku KM. "Evaluation of transbronchial implanted fiducials for lung tumor tracking in Cyberknife." *ESTRO Online Congress 2020*, online, 28 November – 1 December, 2020.
92. Chiu G, Chiu ST, Man SY. "A Pilot study on evaluating the breast reproducibility of Chabner XRT Radiation Bra using MRI." *ESTRO Online Congress 2020*, online, 28 November – 1 December, 2020.
93. Chow WK, Wu VW, Chiu G, Kong PSW. "Comparison of in-house self-held respiratory monitoring device and ABC system in DIBH left breast RT." *ESTRO Online Congress 2020*, online, 28 November – 1 December, 2020.

94. Lee MC, Luo WMR, Chan KC, Chan YY. “Dosimetric effects of online adaptive replanning for prostate radiation therapy on 1.5T MR-Linac.” *ESTRO Online Congress 2020*, online, 28 November – 1 December, 2020.
95. Lee PMH, Appleyard R, Chiu G. “Evaluation of atlas-based synthetic CT for MRI radiotherapy planning in the head and neck region.” *ESTRO Online Congress 2020*, online, 28 November – 1 December, 2020.
96. Man SY, Appleyard R, Chiu G. “To evaluate the feasibility of MR-only pelvis TomoTherapy during treatment planning and verification.” *ESTRO Online Congress 2020*, online, 28 November – 1 December, 2020.
97. Wong OL, Ho YW, Yuan J, Law MWK, Ho CC, Cheung KY, Yu SK. “A cross-platform daily QA of MRI simulator using an ACR MRI phantom.” *ESTRO Online Congress 2020*, online, 28 November – 1 December, 2020.
98. Wong OL, Yuan J, Zhou Y, Cheung KY, Yu SK. “Compressed sense accelerated MRI simulation: image quality assessment using an ACR MRI phantom.” *ESTRO Online Congress 2020*, online, 28 November – 1 December, 2020.
99. Wong YS, Collins M, Chiu G. “Can the use of PET/MR assist in more accurate target delineation in radiation therapy planning for head and neck cancer patients?.” *ESTRO Online Congress 2020*, online, 28 November – 1 December, 2020.
100. Yang B, Lam WW, Ho YW, Ho CC, Huang CY, Cheung KY, Yu SK. “An efficient setup for weekly dose output constancy of a 1.5T MR-Linac.” *ESTRO Online Congress 2020*, online, 28 November – 1 December, 2020.
101. Yang B, Lam WW, Tang KK, Law WK, Cheung KY, Yu SK. “Measurement of surface dose in a 1.5 T MR-Linac using plan-parallel ionization chamber.” *ESTRO Online Congress 2020*, online, 28 November – 1 December, 2020.
102. Yuan J, Wong OL, Ho RYW, Zhou Y, Cheung KY, Yu SK. “High frame rate CAIPIRINHA-TWIST-VIBE MRI for volumetric motion monitoring in

MRgRT: a pilot study.” *ESTRO Online Congress 2020*, online, 28 November – 1 December, 2020.

103. Yuan J, Wong OL, Ho RYW, Zhou Y, Cheung KY, Yu SK. “Renal positional probability mapping using ultra-fast volumetric 4D-MRI for MRgRT.” *ESTRO Online Congress 2020*, online, 28 November – 1 December, 2020.

104. Zhou Y, Ho YW, Lam WW, Yang B, Ho LC, Yuan J, Chueng KY, Yu SK. “Image registration evaluation of online Monaco on Unity MR-Linac - A phantom study.” *ESTRO Online Congress 2020*, online, 28 November – 1 December, 2020.

105. Zhou Y, Yuan J, Ho YW, Yang B, Ho LC, Cheung KY, Yu SK. “Pulse sequence optimization in pelvis on a 1.5T MR-Linac.” *ESTRO Online Congress 2020*, online, 28 November – 1 December, 2020.

#### American Society for Radiation Oncology (ASTRO) Annual Meeting 2020

##### Oral Presentation

106. Yuan J, Wong OL, Xue C, Cheung KY, Yu SK. “Inter-fractional acquisition repeatability of Radiomics Features in MRgRT: An ACR MRI Phantom Study.” *ASTRO Annual Meeting 2020*, online, 24-28 October, 2020.

##### Poster Presentation

107. Hui CM. “An Analysis of the Impact of Different Levels of Inspiratory Volume Using Active Breathing Control on the Intrafraction Motion and Dose Coverage of Target Volumes in Patients Undergoing Thoracic Radiotherapy.” *ASTRO Annual Meeting 2020*, online, 24-28 October, 2020.

#### 30<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases (ECCMID)

##### Poster Presentation

108. Lam HY, Ng MK, Tang BSF. “Performance evaluation of the Abbott Alinity m HBV assay for the quantification of HBV DNA in plasma samples.” *30<sup>th</sup> ECCMID*, online, 18-21 April, 2020.

109. Lam HY, Tang BSF. "Performance evaluation of the Cepheid Xpert HBV Viral Load assay for the quantification of HBV DNA in plasma samples." *30<sup>th</sup> ECCMID*, online, 18-21 April, 2020.