

# Publication List

2021

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## Journal Publications

1. Au CKF, Abrigo J, Liu C, Liu W, Lee J, Au WCL, Chan Q, Chen SR, Leung YL, Ho CL, Ko H, Mok CTV, Chen W. "Quantitative susceptibility mapping of the hippocampal fimbria in Alzheimer's disease" *Journal of Magnetic Resonance Imaging*, 2021, Vol. 53(6): 1823-1832.
2. Baig NB, Chan JJ, Ho JC, Tang GC, Tsang S, Wan KH, Yip WW, Tham CCY. "Paediatric glaucoma in Hong Kong: a multicentre retrospective analysis of epidemiology, presentation, clinical interventions, and outcomes." *Hong Kong Medical Journal*, 2021, Vol. 27(1): 18-26.
3. Baxter JS et al. (Chan TL, Kwong A) "Functional annotation of the 2q35 breast cancer risk locus implicates a structural variant in influencing activity of a long-range enhancer element." *American Journal of Human Genetics*, 2021, Vol. 108(7): 1190-1203.
4. Chan PP, Tang FY, Leung DY, Lam TC, Baig N, Tham CC. "Ten-Year Clinical Outcomes of Acute Primary Angle Closure Randomized to Receive Early Phacoemulsification Versus Laser Peripheral Iridotomy." *Journal of Glaucoma*, 2021, Vol. 30(4): 332-339.
5. Chan TCY, Yu MCY, Chiu V, Lai G, Leung CKS, Chan PPM. "Comparison of two novel swept-source optical coherence tomography devices to a partial coherence interferometry-based biometer" *Scientific Reports*, 2021, Vol. 11(1): 14853
6. Chang JSM, Liu SCT, Ma NTC, Katsev B, Ng JCM. "Effect of Time Since Primary Laser-Assisted In Situ Keratomileusis on Flap Relift Success and Epithelial Ingrowth Risk" *Journal of Cataract & Refractive Surgery*, 2021, doi: 10.1097/j.jcrs.0000000000000817. [Online ahead of print]

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9. Cheung DST, Chau PH, Yeung WF, Deng W, Hong AWL, Tiwari AFY. “Assessing the effect of a mind-body exercise, qigong Baduanjin, on sleep disturbance among women experiencing intimate partner violence and possible mediating factors: a randomized-controlled trial.” *Journal of Clinical Sleep Medicine*, 2021, Vol. 17(5): 993-1003.
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11. Chiang V, Mok SWS, Chan JKC, Leung WY, Ho CTK, Au EYL, Lau CS, Lee TH, Li PH. “Experience of the first 1127 COVID-19 Vaccine Allergy Safety patients in Hong Kong – clinical outcomes, barriers to vaccination and urgency for reform.” *World Allergy Organization Journal*, 2021, doi: 10.1016/j.waojou.2021.100622. [Online ahead of print]
12. Chiu RYT et al. (Chan TL, Zee JST, Yung RWH, Leung ACP, Chan WS, Lam HY, Ma ESK). “Evaluation of the INDICAID COVID-19 Rapid Antigen Test in Symptomatic Populations and Asymptomatic Community Testing” *Microbiology Spectrum*, 2021, Vol. 9(1): e00342-21
13. Chiu ST, Wu PM, Cheng KF, Fok PH, Chiu G. “Evaluation on dosimetric plan quality and treatment delivery time of dynamic jaw mode in TomoTherapy® for left-side breast cancer patients” *Journal of Radiotherapy in Practice*, 2021, doi:10.1017/S1460396921000522 [online ahead of print]

14. Chu AM, Chan JN, Tsang JT, Tiwari A, So MK. “Analyzing Cross-country Pandemic Connectedness During COVID-19 Using a Spatial-Temporal Database: Network Analysis.” *JMIR Public Health and Surveillance*, 2021, Vol. 7(3): e27317.
15. Chu AT, Tse DM, Suen DTK, Kwong A. “Baseline knowledge and receptiveness to genetic testing for hereditary breast and ovarian cancer syndromes in Chinese high-risk females.” *Journal of Community Genetics*, 2021, Vol. 12(3): 431-438.
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19. Gai W, Zhou Z, Agbor-Enoh S, Fan X, Lian S, Jiang P, Cheng SH, Wong J, Chan SL, Jang MK, Yang Y, Liang RH, Chan WK, Ma ES, Leung TY, Chiu RW, Valantine H, Chan KA, Lo YD. “Applications of genetic-epigenetic tissue mapping for plasma DNA in prenatal testing, transplantation and oncology.” *eLife*, 2021, Vol. 10: e64356.
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27. Lai ISW, Chan NCY, Ling A, Baig NB, Chan PP, Wang YM, Tham CC. “Combined Phacoemulsification-Endoscopic Cyclophotocoagulation versus Phacoemulsification Alone in Primary Angle-Closure Glaucoma: A Pilot Randomized Controlled Trial.” *Ophthalmology Glaucoma*, 2021, Vol. 4(6): 589-596.
28. Lakeman IMM et al. (Kwong A) “The predictive ability of the 313 variant-based polygenic risk score for contralateral breast cancer risk

prediction in women of European ancestry with a heterozygous BRCA1 or BRCA2 pathogenic variant.” *Genetics in Medicine*, 2021, Vol. 23(9): 1726-1737

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31. Li B, Yau T, Leung R, Kwok G, Tsang J, Cheung P, Wong TT, Suen D, Kwong A, Chiu JW. “Neoadjuvant Therapy with Concurrent Docetaxel, Epirubicin, and Cyclophosphamide (TEC) in High-Risk HER2-Negative Breast Cancers” *Advances in Therapy*, 2021, Vol. 38(12): 5752-5762
32. Li H et al. (Kwong A) “Risks of breast and ovarian cancer for women harboring pathogenic missense variants in BRCA1 and BRCA2 compared with those harboring protein truncating variants” *Genetics in Medicine*, 2021, doi: 10.1016/j.gim.2021.08.016. [Online ahead of print]
33. Li J, Zheng L, Yang WJ, Sze-To CY, Leung TW, Chen XY. “Plaque Wall Distribution Pattern of the Atherosclerotic Middle Cerebral Artery Associates with the Circle of Willis Completeness.” *Frontiers in Neurology*, 2021, Vol. 11: 599459.
34. Li W, Xiao H, Li T, Ren G, Lam S, Teng X, Liu C, Zhang J, Lee FK, Au KH, Lee VH, Chang ATY, Cai J. “Virtual Contrast-enhanced Magnetic Resonance Images Synthesis for Patients with Nasopharyngeal Carcinoma using Multimodality-guided Synergistic Neural Network” *International Journal of Radiation Oncology.Biology.Physics*, 2021, doi: 10.1016/j.ijrobp.2021.11.007. [Online ahead of print]

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37. Liu W, Au LWC, Abrigo J, Luo Y, Wong A, Lam BYK, Fan X, Kwan PWL, Ma HW, Ng AYT, Chen S, Leung EYL, Ho CL, Wong SHM, Chu WC, Ko H, Lau AYL, Shi L, Mok VCT; Alzheimer's Disease Neuroimaging Initiative. "MRI-based Alzheimer's disease-resemblance atrophy index in the detection of preclinical and prodromal Alzheimer's disease" *Aging (Albany NY)*, 2021, Vol. 13(10): 13496-13514.
38. Liu YS et al. (Chan TL, Kwong A). "Body mass index and type 2 diabetes and breast cancer survival: a Mendelian randomization study." *American Journal of Cancer Research*, 2021, Vol. 11(8): 3921-3934.
39. Liu Z et al. (Liang R) "Characterization of the humoral immune response to the EBV proteome in extranodal NK/T-cell lymphoma" *Scientific Reports*, 2021, Vol. 11(1): 23664.
40. Majithia S et al. (Wong IY) "Retinal Nerve Fiber Layer Thickness and Rim Area Profiles in Asians: Pooled Analysis from the Asian Eye Epidemiology Consortium" *Ophthalmology*, 2021, doi: 10.1016/j.optha.2021.11.022. [Online ahead of print]
41. Poon DMC, Kam MKM, Johnson D, Mo F, Tong M, Chan ATC. "Durability of the parotid-sparing effect of intensity-modulated radiotherapy (IMRT) in early stage nasopharyngeal carcinoma: A 15-year follow-up of a randomized

- prospective study of IMRT versus two-dimensional radiotherapy.” *Head Neck*, 2021, Vol. 43(6): 1711-1720.
42. Poon DMC, Yuan J, Wong OL, Yang B, Chiu ST, Cheung KY, Chiu G, Yu SK. “1.5T Magnetic Resonance-Guided Stereotactic Body Radiotherapy for Localized Prostate Cancer: Preliminary Clinical Results of Clinician- and Patient-Reported Outcomes” *Cancers (Basel)*, 2021, Vol. 13(19): 4866.
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44. So MKP, Chu AMY, Tiwari A, Chan JNL. “On topological properties of COVID-19: predicting and assessing pandemic risk with network statistics.” *Scientific Reports*, 2021, Vol. 11(1): 5112.
45. So MKP, Yuk H, Tiwari A, Cheung STY, Chu AMY. “Predicting the burden of family caregivers from their individual characteristics” *Informatics for Health and Social Care*, 2021, doi: 10.1080/17538157.2021.1988955. [Online ahead of print]
46. So PL, Luk HM, Cheung KW, Hui W, Chung MY, Mak ASL, Lok WY, Yu KPT, Cheng SSW, Hau EWL, Ho S, Lam STS, Lo IFM. “Prenatal phenotype of Kabuki syndrome: A case series and literature review” *Prenatal Diagnosis*, 2021, Vol. 41(9): 1089-1100
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51. Teo ZL, Tham YC, Yu M, Chee ML, Rim TH, Cheung N, Bikbov MM, Wang YX, Tang Y, Lu Y, Wong IY, Ting DSW, Tan GSW, Jonas JB, Sabanayagam C, Wong TY, Cheng CY. "Global Prevalence of Diabetic Retinopathy and Projection of Burden through 2045: Systematic Review and Meta-analysis." *Ophthalmology*, 2021, Vol. 128(11): 1580-1591.
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53. Tsoi MF, Lo CWH, Cheung TT, Cheung BMY. "Blood lead level and risk of hypertension in the United States National Health and Nutrition Examination Survey 1999-2016." *Scientific Reports*, 2021, Vol. 11(1): 3010.
54. Wong JS, Dong Y, Tang V, Leung T, Yeung CSY, Tai A, Law A, Shum T, Kwok GG, Li BC, Leung R, Chiu J, Ma KW, She WH, Tsang J, Cheung TT, Yau T. "The Use of Cabozantinib in Advanced Hepatocellular Carcinoma in Hong Kong-A Territory-Wide Cohort Study." *Cancers (Basel)*, 2021, Vol. 13(9): 2002.
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- Two MRI Scanners using a 3D T1W TSE sequence.” *Medical Physics*, 2021, Vol. 48(3): 1239-1249.
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## Case Report

72. Chau EMC, Wong RKP. "Bilateral external iliac vein compression - an important consideration in implantation of leadless permanent pacemaker." *Pacing and Clinical Electrophysiology*, 2021, Vol. 44(9): 1636-1640.
73. He J, Yang C, Suen HC, He J, Li S. "A novel lung autotransplantation technique for treating central lung cancer: a case report." *Translational Lung Cancer Research*, 2021, Vol. 10(5): 2290-2297.
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assessment using 11C-Acetate PET with 3-weekly daratumumab-based quadruplet induction in newly diagnosed multiple myeloma” *Therapeutic Advances in Hematology*, 2021, Vol. 12, 20406207211030369.

## Review Article

78. Chen H, Li J, Cheng L, Gao Z, Lin X, Zhu R, Yang L, Tao A, Hong H, Tang W, Guo Y, Huang H, Sun J, Lai H, Lei C, Liu G, Xiang L, Chen Z, Ma H, Chan AWM, Hao C, Sun B. “China Consensus Document on Allergy Diagnostics.” *Allergy, Asthma & Immunology Research*, 2021, Vol. 13(2): 177-205.
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#### **Author’s Reply**

86. Wu T, Wong SKH, Law BTT, Grieve E, Wu O, Tong DKH, Leung DKW, Ng EKW, Lam CLK, Wong CKH. “Author response to: Bariatric surgery is expensive but improves co-morbidity: 5-year assessment of patients with obesity and type 2 diabetes.” *British Journal of Surgery*, 2021, Vol. 108(8): e281

#### **Correspondence**

87. Lai ISW, Chan NCY, Ling A, Baig NB, Chan PP, Wang YM, Tham CCY. “Reply to "Re: Lai et al.: Combined phacoemulsification-endoscopic cyclophotocoagulation versus phacoemulsification alone in primary angle-closure glaucoma: a pilot randomized controlled trial (Ophthalmol Glaucoma. 2021;4:589-596)""” *Ophthalmology Glaucoma*, 2021, Vol. 4(6): e10-e11

#### **Commentary**

88. Lam STS, To CH, Leung KW, Yip SP, Lo IFM, Tsang KP. “Lessons learnt from a genetic disease registry in Hong Kong.” *Hong Kong Medical Journal*, 2021, Vol. 27(3): 226-228

## Letter to Editor

89. Chu AMY, Tiwari A, Chan JNL, So MKP. Chu AMY, Tiwari A, Chan JNL, So MKP. “Are travel restrictions helpful to control the global COVID-19 outbreak?” *Travel Medicine and Infectious Disease*, 2021, Vol. 41: 102021.
90. Leung KKY, Hon KL, Wang MHT, Ng DKK, Ip P. “Paediatric multisystem inflammatory syndrome and COVID-19: another novel syndrome?” *Hong Kong Medical Journal*, 2021, Vol. 27(2): 161-162.
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93. Zee JST, Lai KTW, Ho MKS, Leung ACP, Fung LH, Luk WP, Kwok LF, Kee KM, Chan QWL, Tang SF, Ma ESK, Lee KH, Lau CC, Yung RWH. “Serological response to mRNA and inactivated COVID-19 vaccine in healthcare workers in Hong Kong: decline in antibodies 12 weeks after two doses” *Hong Kong Medical Journal*, 2021, Vol. 27(5): 380-383

## Supplement Article

94. Poon DM, Chan CK, Chan K, Chu WH, Kwong PW, Lam W, Law KS, Lee EK, Liu PL, Sze HC, Wong JH, Chan ES. “Consensus statements on the management of metastatic renal cell carcinoma from the Hong Kong Urological Association and the Hong Kong Society of Uro-Oncology 2019.” *Asia-Pacific Journal of Clinical Oncology*, 2021, Vol.17(Suppl 3):27-38.
95. Poon DM, Chan CK, Chan TW, Cheung FY, Ho LY, Kwong PW, Lee EK, Leung AK, Leung SY, So HS, Tam PC, Ma WK. “Hong Kong Urological Association-Hong Kong Society of Uro-Oncology consensus statements on

the management of advanced prostate cancer-2019 Updates.” *Asia-Pacific Journal of Clinical Oncology*, 2021, Vol.17(Suppl 3):12-26.

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### **Educational & Teaching Material**

98. Li PH, Chua GT, Leung ASY, Chan YC, Chan KKL, Cheung KH, Chong PCY, Ho PPK, Kwan MYW, Lai JCH, Lam KK, Lam TSK, Leung TF, Li TY, Duque JSR, So JLT, Wan KA, Wong HCY, Wu AYY, Lee TH, Ho MHK, Siu AYC. “Hong Kong Anaphylaxis Consortium Consensus Statements on prescription of adrenaline autoinjectors in the acute care setting.” *Asia Pacific Allergy*, 2021, Vol. 11(1): e1.

### **Editorial**

99. Yuan J, Poon DMC, Lo G. “Editorial for "Multi-site concordance of diffusion weighted imaging quantification for assessing prostate cancer aggressiveness"” *Journal of Magnetic Resonance Imaging*, 2021, doi: 10.1002/jmri.27994. [Online ahead of print.]
100. Zhou Y, Wang H. “Editorial for "Glutamate Chemical Exchange Saturation Transfer Imaging and Functional Alterations of Hippocampus in Rat Depression Model: A Pilot Study"” *Journal of Magnetic Resonance Imaging*, 2021, Vol. 54(6): 1977-1978

### **Positional Paper**

101. Kwok AKH, Lam WC, Fong AHC, Fung NSK, Ho M, Iu LPL, Ko CKL, Mohamed S, Ng DSC, Tang HHY, Wong IYH, Wong RLM, Lai TYY, Tsoi CT. “Recommendations of the treat-and-extend regimen for neovascular age-related macular degeneration: 2020 updates” *Hong Kong Journal of Ophthalmology*, 2021, Vol. 25(2), Available from: <https://hkjo.hk/index.php/hkjo/article/view/306>

### **Oral & Poster Presentations**

#### International Society for Magnetic Resonance in Medicine (ISMRM) & Society for MR Radiographers & Technologists (SMRT) Annual Meeting & Exhibition, 2021

##### Poster Presentation

102. Liu MCW, LO GG, Xue C, Lee R, Chung WK, Chan CKM, Kong FKS, Chan PPL, Li WW, Yuen CT, Tang J. “Inter-observer and intra-observer agreement on the MRI-based left-ventricular contractility using compress-sensing accelerated cardiac MRI” *ISMRM & SMRT Annual Meeting & Exhibition 2021*, Online, 15-20 May, 2021.
103. Wong OL, Yuan J, Poon DMC, Zhou YH, Yu SK, Cheung KY. “Subject-specific positional probability volume mapping for internal target volume determination in Radiotherapy.” *ISMRM & SMRT Annual Meeting & Exhibition 2021*, Online, 15-20 May, 2021.

#### 59<sup>th</sup> Annual Conference of the Particle Therapy Co-Operative Group (PTCOG), 2021

##### Poster Presentation

104. Chiu TL, Cheung CW, Ding Y, Lam WY, Chan CWK, Lam WW, Kong CW, Yang B, Geng H, Yu SK. “Analyzing dynamics of poles for Nonlinear Schrodinger Equation of charged-particle beams in accelerators.” *59<sup>th</sup> Annual Conference of PTCOG*, Online, 4-7 June, 2021.

##### Oral Presentation



105. Lam WW, Lee HFV, Cheung KY, Yu SK. “A Comprehensive Dosimetric Evaluation for Intensity Modulated Proton Therapy (IMPT) and Volumetric-Modulated Arc Therapy (VMAT) on Advanced-Stage Nasopharyngeal Carcinoma (NPC).” *59<sup>th</sup> Annual Conference of PTCOG*, Online, 4-7 June, 2021.

16th Elekta MR-Linac Consortium Meeting

Poster Presentation

106. Yang B, Geng H, Lam WW, Cheung KY, Yu SK. “Validation of effective point of measurement for commonly used ionization chambers in a 1.5 T MR-Linac using a MR-compatible 3D scanning watertank.” *16th Elekta MR-Linac Consortium Meeting*

Hong Kong Society of Haematology Annual Scientific Meeting, 2021

Poster Presentation

107. Lau MYH, Lau YS, Chan HC, Choi WL, Ma ESK. “Establishment of newborn reference range for complete blood counts in Hong Kong.” *Hong Kong Society of Haematology Annual Scientific Meeting*, Online, 10 April 2021

31<sup>st</sup> European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), 2021

Poster Presentation

108. Lam HY, Ip BBK, Ng MK, To RMY, So RYW, Chan TL, Leung A, Zee JST, Ma ESK. “Performance evaluation of Simplexa COVID-19 Direct for detection of SARS-CoV-2 on deep throat saliva and other upper respiratory tract specimens” *31<sup>st</sup> ECCMID*, 2021, Online, 9-12 July 2021.
109. Lam HY, Ng MK, Tang BSF “Evaluation of GenomEra Norovirus for detection and differentiation of norovirus genogroup I and II in fecal specimens.” *31<sup>st</sup> ECCMID*, 2021, Online, 9-12 July 2021.

110. Zee JST, Au CH, Chan WS, Lam HY, Chan TL, Hung RLM, Yu BPW, Chan JWC, Chan QWL, Ma ESK, Yung RYH. “The application of next-generation sequencing in the epidemiological investigation of nosocomial clusters of COVID-19: experience in a private hospital in Hong Kong.” *31<sup>st</sup> ECCMID*, 2021, Online, 9-12 July 2021.

63<sup>rd</sup> American Society of Hematology (ASH) Annual Meeting & Exposition, 2021

Oral Presentation

111. Au Yeung KHR et al. (Choi W) “ALK-Negative Anaplastic Large Cell Lymphomas Encompass Distinct Subgroups Including an ALK-Positive-like Subgroup with Favorable Prognosis” *63<sup>rd</sup> ASH Annual Meeting & Exposition*, 2021, Atlanta, GA, USA, December 11-14, 2021; also available on *Blood*, 2021, Vol. 138(Suppl 1): 2403

European Society for Radiotherapy and Oncology (ESTRO) congress, 2021

Poster Presentation

112. Cheng KF, Lam OTH “Dosimetric comparison of Cranium SRS among VMAT, Tomotherapy and three Cyberknife techniques” *ESTRO 2021*, Madrid, Spain, August 27-31, 2021
113. Fung WW, Man SY, Leung WC, Cheng KF, Wong OL, Yuan J, Chiu G, Cheung KY, Yu SK. “Feasibility of MR-guided tomotherapy on cranial and head-and-neck cases” *ESTRO 2021*, Madrid, Spain, August 27-31, 2021
114. Mui ML, Lee AWM, Lee VHF, Ng WT, Vardhanabhuti V, Man SY, Chua DTT, Guan XY. “Correlations of tumour permeability parameters from DCE-MRI with ADC in nasopharyngeal carcinoma” *ESTRO 2021*, Madrid, Spain, August 27-31, 2021
115. Yip PL, Chan P, Cheung K, Chow C, Lai W, Lee H, Lam K, Chiang C, Wong C, Poon M, Tong M, AU K, Ng W, Ngan K, Lee A, Yung Y. “External validation of a nomogram for chemoirradiation in stage 2 nasopharyngeal carcinoma with IMRT” *ESTRO 2021*, Madrid, Spain, August 27-31, 2021