

# Publication List

2018

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## Journal Publications

1. Brainstorm Consortium et al. (Ng PW). "Analysis of shared heritability in common disorders of the brain." *Science*, 2018, Vol. 360: 6395.
2. Chan AW, Hon KL, Leung TF, Ho MH, Roda Dugue JS, Lee TH. "The effects of global warming on allergic diseases." *Hong Kong Medical Journal*, 2018, Vol. 24(3): 277-284.
3. Chan WS, Au CH, Ho DN, Chan TL, Ma ESK, Tang BSF. "Prospective study on human fecal carriage of Enterobacteriaceae possessing mcr-1 and mcr-2 genes in a regional hospital in Hong Kong." *BMC Infectious Diseases*, 2018, Vol. 18(1): 81.
4. Chan YH, Yau WM, Cheung PS. "Oncological Safety and Technical Feasibility of Nipple-Sparing Mastectomy for Breast Cancer: The Hong Kong Experience." *World Journal of Surgery*, 2018, Vol. 42(5): 1375-1383.
5. Chen JH, Lam HY, Yip CC, Cheng VC, Chan JF, Leung TH, Sridhar S, Chan KH, Tang BS, Yuen KY. "Evaluation of the molecular Xpert Xpress Flu/RSV assay vs. Alere i Influenza A & B assay for rapid detection of influenza viruses." *Diagnostic Microbiology and Infectious Disease*, 2018, Vol. 90(3): 177-180.
6. Cheung KW, Sang KK, Lam HI, Chan WM, Wu PM, Choi HF, Ho YW, Law MYY. "Imaging dose of megavoltage computed tomography (MVCT) for treatment verification in the tomotherapy of breast cancer." *Journal of Radiotherapy in Practice*, 2018, Vol. 17(2): 244-252.
7. Chow SSW, Chan TCY, Ng ALK, Kwok AKH. "Outcomes of presbyopia-correcting intraocular lenses after laser in situ keratomileusis."

*International Ophthalmology*, 2018, doi: 10.1007/s10792-018-0908-0. [Epub ahead of print]

8. Ho CL, Chen S, Cheung SK, Leung YL, Cheng KC, Wong KN, Wong YG, Leung TWT. "Radioembolization with 90Y glass microspheres for hepatocellular carcinoma: significance of pretreatment 11C-acetate and 18F-FDG PET/CT and posttreatment 90Y PET/CT in individualized dose prescription." *European Journal of Nuclear medicine and Molecular Imaging*, 2018, doi: 10.1007/s00259-018-4064-6. [Epub ahead of print]
9. Kwong A, Ho JCW, Shin VY, Kurian AW, Tai E, Esserman LJ, Weitzel JN, Lin PH, Field M, Domchek SM, Lo J, Ngan HYS, Ma ESK, Chan TL, Ford JM. "Rapid detection of BRCA1/2 recurrent mutations in Chinese breast and ovarian cancer patients with multiplex SNaPshot genotyping panels." *Oncotarget*, 2018, Vol. 9(8): 7832-7843.
10. Kwong KM, Tam CC, Chan R, Lee SWL, Ip P, Kowk J. "Comparison of Single Nucleotide Polymorphism genotyping of CYP2C19 by Loop-mediated isothermal amplification and real-time PCR melting curve analysis." *Clinica Chimica Acta*, 2018, Vol. 478: 45-50.
11. Law BKH, King AD, Ai QY, Poon DMC, Chen W, Bhatia KS, Ajuja AT, Ma BB, Yeung DKW, Mo FKF, Wang YX, Yuan J. "Head and Neck Tumors: Amide Proton Transfer MRI." *Radiology*, 2018, doi: 10.1148/radiol.2018171528. [Epub ahead of print]
12. 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*, 2018, doi: 10.1259/bjr.20170881. [Epub ahead of print]
13. Loong H, Raymond V, Shiotsu Y, Chua DTT, Teo PML, Yung T, Skrzypczak S, Lanman RB, Mok TSK. "Clinical Application of Genomic Profiling With Circulating Tumor DNA for Management of Advanced Non-Small-cell Lung Cancer in Asia." *Clinical Lung Cancer*, 2018, doi: 10.1016/j.clcc.2018.04.022. [Epub ahead of print]

14. Ma J, Wang Y, Chan TCY. "Possible Risk Factors and Clinical Outcomes of Black Areas in Small-Incision Lenticule Extraction." *Cornea*, 2018, doi: 10.1097/ICO.0000000000001649. [Epub ahead of print]
15. Mak YW, Kao AHF, Tam LWY, Tse VWC, Tse DTH, Leung DYP. "Health-promoting lifestyle and quality of life among Chinese nursing students." *Primary Health Care Research & Development*, 2018, doi: 10.1017/S1463423618000208. [Epub ahead of print]
16. Ng ALK, Chan TCY, Cheng ACK. "Comparison of Different Corneal Power Readings From Pentacam in Post-laser In Situ Keratomileusis Eyes." *Eye Contact Lens*, 2018, doi: 10.1097/ICL.0000000000000503. [Epub ahead of print]
17. Rebbeck TR et al. (Kwong A). "Mutational spectrum in a worldwide study of 29,700 families with BRCA1 or BRCA2 mutations." *Human Mutation*, 2018, Vol. 39(5): 593-620.
18. Shin VY, Siu MT, Liu X, Ng EKO, Kwong A, Chu KM. "MiR-92 suppresses proliferation and induces apoptosis by targeting EP4/Notch1 axis in gastric cancer." *Oncotarget*, 2018, Vol. 9(36): 24209-24220.
19. Tan K, Cheung CL, Yeung CY, Siu D, Leung J, Pang HK. "Genetic screening for familial hypercholesterolaemia in Hong Kong." *Hong Kong Medical Journal*, 2018, Vol. 24(Suppl 3): 7-10.
20. Tiwari A, Cheung DST, Hui V. "Improving mental health outcomes of Chinese women survivors of intimate partner violence through advocacy interventions." *Global Mental Health (Cambridge)*, 2018, Vol. 5: e15.
21. Wang YXJ, Deng M, Lo GG, Liang D, Yuan J, Chen W. "Breath-hold black-blood T1rho mapping improves liver T1rho quantification in healthy volunteers." *Acta Radiologica*, 2018, Vol. 59(3):257-265.
22. Wong RSM, Yu EYT, Guo VY, Wan EY, Chin WY, Wong CKH, Fung CSC, Tung KTS, Wong WH, Ip P, Tiwari AFY, Lam CLK. "A prospective cohort study to investigate parental stress and child health in low-income Chinese families: protocol paper." *BMJ Open*, 2018, Vol. 8(2): e018792.

23. Whitworth J et al. (Kwong A). “Comprehensive Cancer-Predisposition Gene Testing in an Adult Multiple Primary Tumor Series Shows a Broad Range of Deleterious Variants and Atypical Tumor Phenotypes.” *The American Journal of Human Genetics*, 2018, doi: 10.1016/j.ajhg.2018.04.013. [Epub ahead of print]
24. Wing YK, Lam SP, Mok VC, Zhang J, Tsoh JM, Leung EY. “Early neurodegenerative biomarkers and clinical outcome in psychiatric patients with rapid eye movement sleep behaviour disorder: a prospective study.” *Hong Kong Medical Journal*, 2018, Vol. 24(Suppl 3):24-28.
25. 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*, 2018, doi: 10.1016/j.meddos.2018.02.008. [Epub ahead of print]
26. Zhang LJ, Shin VY, Chai X, Zhang A, Chan TL, Ma ESK, Rebbeck TR, Chen J, Kwong A. “Breast and ovarian cancer penetrance of BRCA1/2 mutations among Hong Kong women.” *Oncotarget*, 2018, Vol. 9(38):25025-25033.

### **Short Paper**

27. Cheung SK, Ho IC, Chen SR, Wong YH, Ho CL. “Critique on Linear-No-Threshold model in assessment of radiation risk for medical imaging.” *National Medical Journal of China*, 2018, Vol. 98(13):1028-1029

### **Review Article**

28. Chang JSM. “Femtosecond laser-assisted astigmatic keratotomy: a review.” *Eye and Vision (London)*, 2018, Vol. 5:6
29. Yan MK, Chang JS, Chan TC. “Refractive regression after laser in situ keratomileusis.” *Clinical & Experimental Ophthalmology*, 2018, doi: 10.1111/ceo.13315. [Epub ahead of print]

### **Guideline**

30. Gomi H et al. (Chan ACW, Fan ST). “Tokyo Guidelines 2018: antimicrobial therapy for acute cholangitis and cholecystitis.” *Journal of Hepato-Biliary-Pancreatic Sciences*, 2018, Vol. 25(1): 3-16.
31. Kiriyaama S et al. (Chan ACW). “Tokyo Guidelines 2018: diagnostic criteria and severity grading of acute cholangitis (with videos).” *Journal of Hepato-Biliary-Pancreatic Sciences*, 2018, Vol. 25(1): 17-30.
32. Mayumi T et al. (Chan ACW, Fan ST). “Tokyo Guidelines 2018: management bundles for acute cholangitis and cholecystitis.” *Journal of Hepato-Biliary-Pancreatic Sciences*, 2018, Vol. 25(1): 96-100.
33. Miura F et al. (Chan ACW). “Tokyo Guidelines 2018: initial management of acute biliary infection and flowchart for acute cholangitis.” *Journal of Hepato-Biliary-Pancreatic Sciences*, 2018, Vol. 25(1): 31-40.
34. Okamoto K et al. (Chan ACW, Fan ST). “Tokyo Guidelines 2018: flowchart for the management of acute cholecystitis.” *Journal of Hepato-Biliary-Pancreatic Sciences*, 2018, Vol. 25(1): 55-72.
35. Wakabayashi G et al. (Chan ACW). “Tokyo Guidelines 2018: surgical management of acute cholecystitis: safe steps in laparoscopic cholecystectomy for acute cholecystitis (with videos).” *Journal of Hepato-Biliary-Pancreatic Sciences*, 2018, Vol. 25(1): 73-86.
36. Yokoe M et al. (Chan ACW). “Tokyo Guidelines 2018: diagnostic criteria and severity grading of acute cholecystitis (with videos).” *Journal of Hepato-Biliary-Pancreatic Sciences*, 2018, Vol. 25(1): 41-54.

### **Case Report**

37. Seto A, Botelho MG, Ho EH, Jagannathan N. “Bilateral Condylar Hyperplasia-Nonsurgical Management: A Clinical Report.” *The Journal of Contemporary Dental Practice*, 2018, Vol. 19(4): 463-467.

### **Oral & Poster Presentations**

Asian Pacific Association for the Study of the Liver (APASL) Single Topic Conference on HCC, 2018

Oral Presentation

38. Chen SR, Cheung SK, Leung WT, Leung YL, Cheng KC, Wong KN, Wong YH, Ho CL. "Correlation of treatment response with grades of cellular differentiation for hepatocellular carcinoma (HCC) undergoing 90Y-glass-microspheres radioembolization." *APASL Single Topic Conference on HCC*, Yokohama, Japan, May 11-13, 2018.
39. Chen SR, Leung WT, Leung YL, Cheng KC, Wong KN, Cheung SK, Wong YH, Ho CL. "Validation of pretreatment 99mTc-MAA-based dosimetry by post-treatment 90Y-PET/CT in HCC patients after 90Y glass-microspheres radioembolization." *APASL Single Topic Conference on HCC*, Yokohama, Japan, May 11-13, 2018.

1<sup>st</sup> UK Interdisciplinary Breast Cancer Symposium, 2018

Poster Presentation

40. Kwong A, Shin V, Au CH, Chan T, Ma E. "Identification of germline mutation using a 30-gene sequencing in breast cancer patients not found to carry BRCA mutations." *1st UK Interdisciplinary Breast Cancer Symposium*, January 15-16, 2018; also appeared on *Breast Cancer Research and Treatment*, 2018, Vol. 167(1):338-339.

American Society of Clinical Oncology (ASCO) Annual Meeting, 2018

Poster Presentation

41. Kwong A, Shin V, Au CH, Ho C, Chan TL, Ma ESK. "Multigene panel testing for hereditary breast and ovarian cancers: an analysis of 1303 BRCA-negative Chinese patients." *American Society of Clinical Oncology Annual Meeting 2018*, Chicago, IL, USA, June 1-5, 2018; also appeared on *Journal of Clinical Oncology*, 2018, Vol. 36(15\_suppl): e13625.

European Society of Radiotherapy & Oncology (ESTRO 37), 2018

## Oral Presentation

42. Cheng KF, Fok PH, Chiu G. “Reproducibility of head and neck setup in MR Simulator environment.” *ESTRO 37*, Barcelona, Spain, April 20-24, 2018; also appeared on *Radiotherapy & Oncology*, 2018, Vol. 127(Supp. 1): S105-S106.
43. Chui KY, Fung WK, Yuan J, Mui WL, Chiu G. “An evaluation of variabilities in organ-at-risk delineation for MR-only head and neck radiotherapy.” *ESTRO 37*, Barcelona, Spain, April 20-24, 2018; also appeared on *Radiotherapy & Oncology*, 2018, Vol. 127(Supp. 1): S221-S222.

## Poster Presentation

44. Chiu ST, Wu PM, Cheng KF, Fok PH, Chiu G. “Dosimetric quality and delivery time of Dynamic Jaw Mode in TomoTherapy for Breast Cancer Patients.” *ESTRO 37*, Barcelona, Spain, April 20-24, 2018; also appeared on *Radiotherapy & Oncology*, 2018, Vol. 127(Supp. 1): S601-S602.
45. Chiu TL, Yang B, Cheung CW, Lam WW, Cheung KY, Yu SK. “Performance of fluorescent screen based quality assurance system for Cyberknife M6.” *ESTRO 37*, Barcelona, Spain, April 20-24, 2018; also appeared on *Radiotherapy & Oncology*, 2018, Vol. 127(Supp. 1): S916-S917.
46. Geng H, Lam WW, Kong CW, Yang B, Yu SK, Cheung KY. “Influence of metallic implant on different dose calculation algorithm in Cyberknife planning system.” *ESTRO 37*, Barcelona, Spain, April 20-24, 2018; also appeared on *Radiotherapy & Oncology*, 2018, Vol. 127(Supp. 1): S1033.
47. Ho YW, Kong CW, Geng H, Cheung KY, Yu SK. “Efficacy of rectal spacer to reduce rectum dose in HDR brachytherapy for carcinoma of uterine cervix.” *ESTRO 37*, Barcelona, Spain, April 20-24, 2018; also appeared on *Radiotherapy & Oncology*, 2018, Vol. 127(Supp. 1): S1231-S1232.
48. Kong CW, Ding Y, Cheung CW, Geng H, Lam WW, Chiu TL, Cheung KY, Yu SK. “Dose verification of Cyberknife MLC FSPB calculation algorithm in different treatment regions.” *ESTRO 37*, Barcelona, Spain, April 20-24, 2018;

also appeared on *Radiotherapy & Oncology*, 2018, Vol. 127(Supp. 1): S941-S942.

49. Lee TY, Choi HHF, Wong WKR, Ho YW, Cheung KY, Yu SK. “Robustness of the TomoTherapy Exit Detector for Verifying MLC fluence Post-Irradiation.” *ESTRO 37*, Barcelona, Spain, April 20-24, 2018; also appeared on *Radiotherapy & Oncology*, 2018, Vol. 127(Supp. 1): S940-S941.
50. Wong OL, Cheng KF, Yuan J, Fok PH, Zhou Y, Chiu G, Yu SK, Cheung KY. “Abdominal compression for SBRT: influence on 3D MRI image quality and diaphragm motion reduction.” *ESTRO 37*, Barcelona, Spain, April 20-24, 2018; also appeared on *Radiotherapy & Oncology*, 2018, Vol. 127(Supp. 1): S1169-S1170.
51. Wong OL, Cheng KF, Zhou Y, Yuan J, Chiu G, Yu SK, Cheung KY. “Compatibility test of a newly-designed patient transfer system with a 1.5T MR-simulator.” *ESTRO 37*, Barcelona, Spain, April 20-24, 2018; also appeared on *Radiotherapy & Oncology*, 2018, Vol. 127(Supp. 1): S1202.

Joint Annual Meeting International Society for Magnetic Resonance in Medicine (ISMRM) – European Society for Magnetic Resonance in Medicine & Biology (ESMRMB), 2018

Poster Presentation

52. Ding Y, Ho CL, Chan KT, Yuan J, Cheung KY, Yu SK. “Reduction of susceptibility artifacts in MR of permanent prostate gold seed for radiotherapy.” *Joint Annual Meeting ISMRM-ESMRMB 2018*, Paris, France, June 16-21, 2018.
53. Law MWK, Yuan J, Wong OL, Yu SK. “Skull Segmentation for MR-Only Radiotherapy Simulation using An Unsupervised-Learning Multi-Sequence Analysis Framework.” *Joint Annual Meeting ISMRM-ESMRMB 2018*, Paris, France, June 16-21, 2018.
54. Yuan J, Lo G, Ho CL, Chen SR, Chan H, Ai V, Cheung W, Wong C, Cheung P, Wong TT. “A study of correlation of the SUVmax and ADC in malignant



breast tumors using simultaneous PET-MRI.” *Joint Annual Meeting ISMRM-ESMRMB 2018*, Paris, France, June 16-21, 2018.

55. Yuan J, Zhou Y, Wong OL, Cheng KY, Yu SK. “Development of a fast 4D-MRI with sub-second volumetric frame rate for respiratory motion tracking in abdominal radiotherapy.” *Joint Annual Meeting ISMRM-ESMRMB 2018*, Paris, France, June 16-21, 2018.

Society of Nuclear Medicine and Molecular Imaging (SNMMI) 2018 Annual Meeting

Oral Presentation

56. Chen SR, Cheung W, Leung YL, Cheng KC, Wong KN, Wong C, Ho CL. “<sup>177</sup>Lu-DOTATATE radionuclide therapy for pediatric patients with relapsed high-risk neuroblastoma negative on <sup>131</sup>I-MIBG imaging – a pilot study.” *SNMMI 2018 Annual Meeting*, Philadelphia, Pennsylvania, June 23-26, 2018.
57. Chen SR, Lee G, Cheng KC, Leung YL, Wong KN, Cheung W, Wong C, Ho CL. “Biphasic exponential dosimetry model for <sup>177</sup>Lu-DOTATATE peptide receptor radionuclide therapy.” *SNMMI 2018 Annual Meeting*, Philadelphia, Pennsylvania, June 23-26, 2018.
58. Ho CL, Chan D, Chen SR, Leung YL, Chen E. “Patlak analysis of striatal dopamine synthesis capacity in earlier and later-onset psychotic illnesses with <sup>18</sup>F-DOPA brain PET/MR.” *SNMMI 2018 Annual Meeting*, Philadelphia, Pennsylvania, June 23-26, 2018.

Global Breast Cancer Conference (GBCC), 2018

59. Ho CYS, Au CH, Ho DN, Shin VY, Chan TL, Ma ESK, Kwong A. “Somatic mutation profiling of breast cancer by next-generation sequencing.” *Global Breast Cancer Conference 2018*, Incheon, Korea, April 5-7 2018.
60. Ho DN, Au CH, Law FBF, Wong EYL, Chung Y, Lau J, Shin V, Chan TL, Ma ESK, Kwong A. “Long-Read Next Generation Sequencing Approach to Close the Gaps of Short-Read Sequencing in Hereditary Breast and/or Ovarian Cancer.” *Global Breast Cancer Conference 2018*, Incheon, Korea, April 5-7 2018.

46th Annual Scientific Meeting of the Hong Kong Society of Haematology, 2018

Poster Presentation

61. Ng MK, Au CH, Ip BK, To MYR, Choy G, Lam HY, Chan TL, Ma ESK. “Comparative study between CALR+ and JAK2 V617F+ myeloproliferative neoplasms.” *46th Annual Scientific Meeting of the Hong Kong Society of Haematology 2018*, Hong Kong, April 7, 2018.

XXXIst International Symposium on Technological Innovations in Laboratory Hematology, 2018

Poster Presentation

62. Ng EHY, Chan THC, Lau YS, Ma ESK. “PT and APTT-based clot waveform analysis of patient samples on direct oral anticoagulants.” *XXXIst International Symposium on Technological Innovations in Laboratory Hematology 2018*, Brussels, Belgium, May 10-12, 2018.

London Calling, 2018

Poster Presentation

63. Ho DN, Au CH, Law FBF, Wong EYL, Chung Y, Lau J, Wong ATC, Shin V, Chan TL, Ma ESK, Kwong A. “Long-Read Next Generation Sequencing Approach to Close the Gaps of Short-Read Sequencing in Hereditary Breast and/or Ovarian Cancer.” *London Calling 2018*, London, UK, May 24-15, 2018.

6<sup>th</sup> MR in RT Symposium, 2018

Oral Presentation

64. Zhou Y, Yuan J, Cheung KY, Yu SK. “Accelerating 3D head-and-neck MR imaging using convolutional neural network for MR-guided radiotherapy.” *6<sup>th</sup> MR in RT Symposium*, Utrecht, Netherlands, June 30 – July 3, 2018

20<sup>th</sup> International Society of Radiographers and Radiological Technologists (ISRRT), World Congress

## Oral Presentation

65. Ku KM, YP Ng. "To evaluate the use of a Self-Held Respiration Monitoring Device (SHRMD) for Deep Inspiration Breath Hold (DIBH) radiotherapy to left breast cancer patients." *20<sup>th</sup> ISRRT World Congress*, Port of Spain, Trinidad and Tobago, April 12-15, 2018.

## European Congress of Radiology (ECR), 2018

### Poster Presentation

66. Cheung CW, Ding Y, Kong CW, Yang B, Lam WW, Geng H, Yu SK. "Effect of Metal Artifact Reduction on Estimation of Relative Electron Density." *ECR 2018*, Vienna, Austria, Feb 28 - Mar 4, 2018.
67. Lee R, Lo GG, Chan KF, Yuen CT, Chan KM, Liu MCW, Chan PLP. "Multi-parametric MRI (MP-MRI) in prostate- Experience and Technical Challenges." *ECR 2018*, Vienna, Austria, Feb 28 - Mar 4, 2018.