

# Publication List

2017

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## Journal Publications

1. Ai QY, King AD, Law BK, Yeung DK, Bhatia KS, Yuan J, Ahuja AT, Wong LY, Ma BB, Mo FK, Kam MK. "Diffusion-weighted imaging of nasopharyngeal carcinoma to predict distant metastases." *European Archives of Oto-Rhino-Laryngology*, 2017 Feb, Vol. 274(2): 1045-1051.
2. Au CH, Ho DN, Kwong A, Chan TL, Ma ESK. "BAMClipper: removing primers from alignments to minimize false-negative mutations in amplicon next-generation sequencing." *Scientific Reports*, 2017, Vol. 7: 1567
3. Au CH, Leung AYH, Kwong A, Chan TL, Ma ESK. "INDELseek: detection of complex insertions and deletions from next-generation sequencing data." *BMC Genomics*, 2017, Vol. 18: 16.
4. Burton A et al. (Kwong A.) "Mammographic density and ageing: A collaborative pooled analysis of cross-sectional data from 22 countries worldwide." *PLoS Medicine*, 2017, Vol. 14(6): e1002335
5. Chan YHY, Yau WM, Cheung PSY. "Oncological Safety and Technical Feasibility of Nipple-Sparing Mastectomy for Breast Cancer: The Hong Kong Experience." *World Journal of Surgery*, 2017, DOI: <https://doi.org/10.1007/s00268-017-4197-y>, [Epub ahead of print].
6. Chang JS, Ng JC, Chan VK, Law AK. "Visual Outcomes, Quality of Vision, and Quality of Life of Diffractive Multifocal Intraocular Lens Implantation after Myopic Laser In Situ Keratomileusis: A Prospective, Observational Case Series." *Journal of Ophthalmology*, 2017, Vol. 2017: 6459504.
7. Chang RYK, Cheung PSY. "Nipple Preservation in Breast Cancer Associated with Nipple Discharge." *World Journal of Surgery*, 2017, Vol. 41(1): 176-183.

8. 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 & Infectious Disease*, 2017, <http://dx.doi.org/10.1016/j.diagmicrobio.2017.11.010> [Epub ahead of print].
9. Cheuk IW, Shin VY, Kwong A. "Detection of Methylated Circulating DNA as Noninvasive Biomarkers for Breast Cancer Diagnosis." *Journal of Breast Cancer*, 2017, Vol. 20(1): 12-19.
10. Cheung BM, Cheng CH, Lau CP, Wong CK, Ma RC, Chu DW, Ho DH, Lee KL, Tse HF, Wong AS, Yan BP, Yan VW. "2016 Consensus statement on prevention of atherosclerotic cardiovascular disease in the Hong Kong population." *Hong Kong Medical Journal*, 2017, Vol. 23(2): 191-201.
11. Cheung KKF, Ip WY, Lee V, Li CH, Yuen HL, Epstein JB. "Measuring Oral Mucositis of Pediatric Patients with Cancer: A Psychometric Evaluation of Chinese Version of the Oral Mucositis Daily Questionnaire." *Asia-Pacific Journal of Oncology Nursing*, 2017, Vol. 4(4): 330-335.
12. 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*, 2017, published online: 02 November 2017, <https://doi.org/10.1017/S1460396917000590>.
13. Dent E et al. (Leung E.) "The Asia-Pacific Clinical Practice Guidelines for the Management of Frailty." *The Journal of Post-Acute and Long-Term Care Medicine*, 2017, Vol. 18(7): 564-575.
14. Gomi H et al. (Chan ACW, Fan ST.) "Tokyo Guidelines 2018: antimicrobial therapy for acute cholangitis and cholecystitis." *Journal of Hepato-Biliary-Pancreatic Sciences*, 2017, doi: 10.1002/jhbp.518. [Epub ahead of print].
15. Hansapinyo L, Cheng AC, Chan NC, Chan CK. "Optic Disc and Macular Imaging in Blind Eyes from Non-glaucomatous Optic Neuropathy: A Study

- with Spectral-domain Optical Coherence Tomography.” *Neuroophthalmology*, 2017, Vol. 41(1): 1-6.
16. Iu LPL, Fan MCY, Chen IN, Lai JSM. “Predictability and stability of laser-assisted subepithelial keratectomy with mitomycin C for the correction of high myopia.” *Medicine (Baltimore)*, 2017, Vol. 96(22): e7076.
  17. Iwashita Y et al. (Chan ACW.) “Delphi consensus on bile duct injuries during laparoscopic cholecystectomy: an evolutionary cul-de-sac or the birth pangs of a new technical framework?” *Journal of Hepato-Biliary-Pancreatic Sciences*, 2017, doi: 10.1002/jhbp.503. [Epub ahead of print].
  18. Ka S, Lo G, Ai V, Au-Yeung P, Chan H. “The First Positron Emission Tomography-Magnetic Resonance Imaging in Hong Kong: Preliminary Experience.” *Hong Kong Journal of Radiology*, 2017, Vol. 20: 84-9.
  19. Kiriya S et al. (Chan ACW.) “Diagnostic and severity grading criteria for acute cholangitis in the Tokyo Guidelines 2018.” *Journal of Hepato-Biliary-Pancreatic Sciences*, 2017, doi: 10.1002/jhbp.512. [Epub ahead of print].
  20. Kuchenbaecker KB et al. (Kwong A) “Evaluation of Polygenic Risk Scores for Breast and Ovarian Cancer Risk Prediction in BRCA1 and BRCA2 Mutation Carriers.” *Journal of the National Cancer Institute*, 2017, Vol. 109(7): djw302.
  21. 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*, 2017, <https://doi.org/10.1016/j.cca.2017.12.013> [Epub ahead of print].
  22. Lau SK, Lo GC, Lam CS, Chow WN, Ngan AH, Wu AK, Tsang DN, Tse CW, Que TL, Tang BS, Woo PC. “In Vitro Activity of Posaconazole against *Talaromyces marneffe* by Broth Microdilution and Etest Methods and Comparison to Itraconazole, Voriconazole, and Anidulafungin.” *Antimicrobial Agents and Chemotherapy*, 2017, Vol. 61(3): e01480-16.

23. 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*, 2017, doi: 10.12932/AP-250817-0150 [Epub ahead of print].
24. Li YT, Cercueil JP, Yuan J, Chen W, Loffroy R, Wang YX. "Liver intravoxel incoherent motion (IVIM) magnetic resonance imaging: a comprehensive review of published data on normal values and applications for fibrosis and tumor evaluation." *Quantitative Imaging in Medicine and Surgery*, 2017, Vol. 7(1): 59-78.
25. Loke AY, Chan ACO, Wong YT. "Facilitators and barriers to the acceptance of human papillomavirus (HPV) vaccination among adolescent girls: a comparison between mothers and their adolescent daughters in Hong Kong." *BMC Research Notes*, 2017, Vol. 10(1): 390.
26. Ma ESK, Wan TSK, Au CH, Ho DN, Ma SY, Ng MHL, Chan TL. "Next-generation sequencing and molecular cytogenetic characterization of ETV6-LYN fusion due to chromosomes 1, 8 and 12 rearrangement in acute myeloid leukemia." *Cancer Genetics*, 2017, Vol. 218-219: 15-19.
27. Man VCM, Cheung PSY. "Neoadjuvant chemotherapy increases rates of breast-conserving surgery in early operable breast cancer." *Hong Kong Medical Journal*, 2017, Vol. 23(3): 251-257.
28. Marcet MM, Lau IHW, Chow SSW. "Avoiding the Hughes flap in lower eyelid reconstruction." *Current Opinion in Ophthalmology*, 2017, Vol. 28(5): 493-498.
29. Mayumi T et al. (Chan ACW, Fan ST.) "Tokyo Guidelines 2018: management bundles for acute cholangitis and cholecystitis." *Journal of Hepato-Biliary-Pancreatic Sciences*, 2017, doi: 10.1002/jhbp.519. [Epub ahead of print].
30. Meinel FG, Pugliese F, Schoepf UJ, Ebersberger U, Wichmann JL, Lo GG, Choe YH, Wang Y, Segreto S, Bamberg F, De Cecco CN. "Prognostic Value

of Stress Dynamic Myocardial Perfusion CT in a Multicenter Population With Known or Suspected Coronary Artery Disease.” *American Journal of Roentgenology*, 2017, Vol. 208: 761-769.

31. Meinel FG, Wichmann JL, Schoepf UJ, Pugliese F, Ebersberger U, Lo GG, Choe YH, Wang Y, Tesche C, Segreto S, Kunz WG, Thierfelder KM, Bamberg F, De Cecco CN. “Global quantification of left ventricular myocardial perfusion at dynamic CT imaging: Prognostic value.” *Journal of Cardiovascular Computed Tomography*, 2017, Vol. 11(1): 16-24.
32. Michailidou K et al. (Chan TL, Ho DN, Kwong A, Ma ESK.) “Association analysis identifies 65 new breast cancer risk loci.” *Nature*, 2017, Vol. 551(7678): 92-94.
33. Milne RL et al. (Kwong A.) “Identification of ten variants associated with risk of estrogen-receptor-negative breast cancer.” *Nature Genetics*, 2017, Vol. 49(12): 1767-1778.
34. 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*, 2017, doi: 10.1002/jhbp.509. [Epub ahead of print].
35. Ng KKC, Chok KSH, Chan ACY, Cheung TT, Wong TCL, Fung JYY, Yuen J, Poon RTP, Fan ST, Lo CM. “Randomized clinical trial of hepatic resection versus radiofrequency ablation for early-stage hepatocellular carcinoma.” *The British Journal of Surgery*, 2017, Vol. 104(13): 1775-1784.
36. Okamoto K et al. (Chan ACW, Fan ST.) “Tokyo Guidelines 2018: flowchart for the management of acute cholecystitis.” *Journal of Hepato-Biliary-Pancreatic Sciences*, 2017, doi: 10.1002/jhbp.516. [Epub ahead of print].
37. Phelan CM et al. (Kwong A.) “Identification of 12 new susceptibility loci for different histotypes of epithelial ovarian cancer.” *Nature Genetics*, 2017, Vol. 49(5): 680-691.

38. Poon M, Holborn C, Cheng KF, Fung WWK, Chiu G. "Evaluation of deformed image-based dose calculations for adaptive radiotherapy of nasopharyngeal carcinoma." *Medical Dosimetry*, 2017, Vol. 42(4): 273-281.
39. Recto MT, Gabriel MT, Kulthanan K, Tantilipikorn P, Aw DC, Lee TH, Chwen CC, Mutusamy S, Hao NT, Quang VY, Canonica GW. "Selecting optimal second-generation antihistamines for allergic rhinitis and urticaria in Asia." *Clinical and Molecular Allergy*, 2017, Vol. 15: 19.
40. Ribassin-Majed L et al. (Chua DTT.) "What Is the Best Treatment of Locally Advanced Nasopharyngeal Carcinoma? An Individual Patient Data Network Meta-Analysis." *Journal of Clinical Oncology*, 2017, Vol. 35(5): 498-505.
41. Rotolo F et al. (Chua DT.) "Surrogate End Points for Overall Survival in Loco-Regionally Advanced Nasopharyngeal Carcinoma: An Individual Patient Data Meta-analysis." *Journal of the National Cancer Institute*, 2017, Vol. 109(4): djw239.
42. Smith C et al. (Chua D.) "Pre-emptive and therapeutic adoptive immunotherapy for nasopharyngeal carcinoma: Phenotype and effector function of T cells impact on clinical response." *OncImmunity*, 2017, Vol. 6(2): e1273311.
43. Suen LKP, Cheng HL, Yeung SKW, Au-Yeung CH, Lee JCY, Ho KKY, Lau NMY, Ng CKF, Chan IWS. "Qualitative insights into the experiences of living with moderate-to-severe lower urinary tract symptoms among community-dwelling ageing males." *PLoS One*, 2017, Vol. 12(10): e0187085
44. Tsang SW, Collins M, Wong JT, Chiu G. "A dosimetric comparison of craniospinal irradiation using TomoDirect radiotherapy, TomoHelical radiotherapy and 3D conventional radiotherapy." *Journal of Radiotherapy in Practice*, Published online: 22 June 2017, DOI: <https://doi.org/10.1017/S1460396917000309>
45. 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*, 2017, doi: 10.1002/jhbp.517. [Epub ahead of print].

46. 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*, 2017, DOI: 10.1177/0284185117717764 [Epub ahead of print].
47. Wong CK, Choi EP, Chan SW, Tsu JH, Fan CW, Chu PS, Cheung FK, Ma WK, Mah ISF, Yip SK, Hou SS, So HS, Lam CK. “Use of the International Prostate Symptom Score (IPSS) in Chinese male patients with benign prostatic hyperplasia.” *The Aging Male*, 2017, Vol. 20(4): 241-249.
48. Wong OL, Leung TW, Lo GG, Yuan J, Li WW, Noseworthy MD. “Intrasession and Intersession Repeatability of Diffusion Tensor Imaging in Healthy Human Liver.” *Journal of Computer Assisted Tomography*, 2017, Vol. 41(4): 578-585.
49. Wong OL, Lo GG, Yuan J, Chung WK, Ho WHB, Noseworthy MD. “Evaluation and Minimization of the Pseudohepatic Anisotropy Artifact in Liver Intravoxel Incoherent Motion.” *Journal of Computer Assisted Tomography*, 2017, Vol. 41(5): 679-687.
50. Wong OL, Yuan J, Yu SK, Cheung KY. “Image quality assessment of a 1.5T dedicated magnetic resonance-simulator for radiotherapy with a flexible radio frequency coil setting using the standard American College of Radiology magnetic resonance imaging phantom test.” *Quantitative Imaging in Medicine and Surgery*, 2017, Vol. 7(2): 205-214.
51. Wu JC, Chan AO, Chan YW, Cheung GC, Cheung TK, Kwan AC, Leung VK, Mak AD, Sze WC, Wong R. “The current treatment landscape of irritable bowel syndrome in adults in Hong Kong: consensus statements.” *Hong Kong Medical Journal*, 2017, Vol. 23(6): 641-647.
52. Yang B, Wong WK, Geng H, Lam WW, Ho YW, Kwok WM, Cheung KY, Yu SK. “Filmless methods for quality assurance of Tomotherapy using ArcCHECK.” *Medical Physics*, 2017, Vol. 44(1): 7-16.

53. 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*, 2017, doi: 10.1002/jhbp.515. [Epub ahead of print].
54. Yu HH, Cheung PS, Leung RC, Leung TN, Kwan WH. “Current management of pregnancy-associated breast cancer.” *Hong Kong Medical Journal*, 2017, Vol. 23(4): 387-394.
55. Yuen CY, Au WL, Chan WL, Yiu YT, Law YY, Wong TL. “Dosimetric comparison of simultaneous integrated boost versus concomitant electron boost in radiotherapy treatment of breast cancer.” *Journal of Radiotherapy in Practice*, 2017, Vol. 16(3): 334-341.

### **Case Report**

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

### **Commentary**

57. Lee TH, Ho HK, Leung TF. “Can Hong Kong take advantage of recent advances in allergy prevention?” *Hong Kong Medical Journal*, 2017, Vol.23 (5): 539-540.
58. Lee TH, Wu YY, Chan JKC, Ho HK, Li PH, Da Rosa Duque JS, Hong Kong Institute of Allergy. “Immunoglobulin G (IgG) testing in the diagnosis of food allergy and intolerance.”

### **Editorial Paper**

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

### **Review Article**



60. Chen LK et al. (Leung EM.) “Looking back to move forward: a twenty-year audit of herpes zoster in Asia-Pacific.” *BMC Infectious Diseases*, 2017, Vol. 17: 213.
61. Koh A, Lanzetta P, Lee WK, Lai CC, Chan WM, Yang CM, Cheung CMG. “Recommended Guidelines for Use of Intravitreal Aflibercept With a Treat-and-Extend Regimen for the Management of Neovascular Age-Related Macular Degeneration in the Asia-Pacific Region: Report From a Consensus Panel.” *Asia-Pacific Journal of Ophthalmology*, 2017, Vol. 6(3): 296-302.
62. Lee TH, Ho HK, Leung TF. “Genetically modified foods and allergy.” *Hong Kong Medical Journal*, 2017, Vol. 23(3): 291-5.

### **Book Chapter**

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

### **Oral & Poster Presentations**

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

#### Oral Presentation

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

#### Poster Presentation

65. Cheung W, Chen SR, Chan WK, Ho CL. “Hepatic epithelioid angiomyolipoma: a rare tumor shown up in 11C-acetate PET/CT.” *The 26<sup>th</sup>*

*Conference of the APASL Annual Meeting, Shanghai, China, 15-19 February 2017; Also appeared in Hepatology International, 2017, Vol. 11(Suppl 1): S542.*

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

Oral Presentation

66. Cheng KF, Fok PH, Yuan J, Wong OL, Chiu G. “Analysis of diaphragm motion at various levels of abdominal compression by dynamic MRI.” *ESTRO 36*, Vienna, Austria, 5-9 May 2017; also appeared in *Radiotherapy and Oncology*, 2017, Vol. 123(Suppl. 1): S38.
67. Fok PH, Fung WK, Ho CHP, Chiu G. “Assessment of Atlas based auto-segmentation in Breast Contouring.” *ESTRO 36*, Vienna, Austria, 5-9 May 2017; also appeared in *Radiotherapy and Oncology*, 2017, Vol. 123(Suppl. 1): S136.
68. Fung WWK, Man SY, Yuan J, Fung LH, Luk WP, Chiu G. “Optimizing sequences for MRI-guided radiotherapy in cranial and head and neck regions.” *ESTRO 36*, Vienna, Austria, 5-9 May 2017; also appeared in *Radiotherapy and Oncology*, 2017, Vol. 123(Suppl. 1): S83.
69. Ng SY, Fung WK, Ku KM, Wong OL, Chiu G. “Effect of cardiac motion on displacement of LAD artery in gated left breast treatment using MRI.” *ESTRO 36*, Vienna, Austria, 5-9 May 2017; also appeared in *Radiotherapy and Oncology*, 2017, Vol. 123(Suppl. 1): S240.

Poster Presentation

70. Chan KC, Lee WY, Chiu G. “A process and human factors engineering paradigm for radiation oncology.” *ESTRO 36*, Vienna, Austria, 5-9 May 2017; also appeared in *Radiotherapy and Oncology*, 2017, Vol. 123(Suppl. 1): S1016-S1017.
71. Chiu TL, Yang B, Geng H, Lam WW, Kong CW, Cheung KY, Yu SK. “Source dwell time and transit time measurement for a HDR afterloading

- unit.” *ESTRO 36*, Vienna, Austria, 5-9 May 2017; also appeared in *Radiotherapy and Oncology*, 2017, Vol. 123(Supp. 1): S95-S96.
72. Kong CW, Geng H, Ho YW, Lam WW, Cheung KY, Yu SK. “Quantitative study on position margin in Intraluminal Brachytherapy Planning for lung treatment.” *ESTRO 36*, Vienna, Austria, 5-9 May 2017; also appeared in *Radiotherapy and Oncology*, 2017, Vol. 123(Supp. 1): S94.
73. Wong OL, Yuan J, Yu SK, Cheung KY. “Phantom image quality evaluation under 3 coil settings for abdominal MR-simulation at 1.5T.” *ESTRO 36*, Vienna, Austria, 5-9 May 2017; also appeared in *Radiotherapy and Oncology*, 2017, Vol. 123(Supp. 1): S946-S947.
74. Yang B, Chiu TL, Cheung CW, Geng H, Lam WW, Cheung KY, Yu SK. “QA test of MLC speed using a fluorescent screen-CCD based dosimetry system.” *ESTRO 36*, Vienna, Austria, 5-9 May 2017; also appeared in *Radiotherapy and Oncology*, 2017, Vol. 123(Supp. 1): S503-S504.
75. Yuan J, Wong OL, Yu SK, Cheung KY. “Inter-observer agreement of ACR MRI phantom Test on a 1.5T MR-simulator with Flexible Coil setting.” *ESTRO 36*, Vienna, Austria, 5-9 May 2017; also appeared in *Radiotherapy and Oncology*, 2017, Vol. 123(Supp. 1): S945.
76. Zhou YH, Fung WWK, Yuan J, Wong OL, Chiu G, Cheng KF, Cheung KY, Yu SK. “Setup uncertainty in head and neck assessed by a 1.5T MR-sim with thermoplastic mask immobilization.” *ESTRO 36*, Vienna, Austria, 5-9 May 2017; also appeared in *Radiotherapy and Oncology*, 2017, Vol. 123(Supp. 1): S895-S896.

International Society for Magnetic Resonance in Medicine (ISMRM) 25<sup>th</sup> Annual Meeting & Exhibition

Oral Presentation

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

## Poster Presentation

78. Lee R, Lo GG, Chan KF. "To quantitatively investigate the contrast ratio of prostate cancer of computed high diffusion-weighted imaging (DWI) from DWIs acquired from lower b-values and correlation to tumour aggressiveness." *25th ISMRM Annual Meeting & Exhibition*, Honolulu, HI, USA, 22-27 April 2017.
79. Law MWK, Yuan J, Wong OL, Yu SK. "Comprehensive analysis of MR geometric distortion of multiple pulses sequence for radiotherapy applications." *25th ISMRM Annual Meeting & Exhibition*, Honolulu, HI, USA, 22-27 April 2017.
80. Law MWK, Yuan J, Wong OL, Yu SK. "Longitudinal Monitoring of MRI Image Distortion of a dedicated MR-Simulator for Radiotherapy over a 6-month Period." *25th ISMRM Annual Meeting & Exhibition*, Honolulu, HI, USA, 22-27 April 2017.
81. Wong OL, Lo GG, Yuan J, Chan HHL, Wong TT, Cheung PSY. "Is ADC heterogeneity helpful in characterizing ductal carcinoma in situ (DCIS) at 3.0T breast MRI" *25th ISMRM Annual Meeting & Exhibition*, Honolulu, HI, USA, 22-27 April 2017.
82. Yuan J, Zhou YH, Wong OL, Fung WWK, Chiu G, Cheung KY, Yu SK. "Positional variation of parotid glands in the treatment position of head and neck radiotherapy with immobilization: a pilot study on health volunteers using high spatial resolution 3D MRI at 1.5T." *25th ISMRM Annual Meeting & Exhibition*, Honolulu, HI, USA, 22-27 April 2017.
83. Zhou YH, Wong OL, Yuan J, Chiu G, Cheung KY, Yu SK. "A Novel Retrospective Sorting Strategy Utilizing both Respiratory Profile and Internal Surrogate Position for Generating Free-Breathing Abdominal 4D-MRI." *25th ISMRM Annual Meeting & Exhibition*, Honolulu, HI, USA, 22-27 April 2017.
84. Zhou YH, Yuan J, Wong OL, Fung WWK, Chiu G, Cheung KY, Yu SK. "Accelerating 3D Head-and-Neck MR Imaging Using Compressed Sensing with Structure-Guided Total Variation for MR-Guided Multi-Fractional

Radiotherapy.” *25th ISMRM Annual Meeting & Exhibition*, Honolulu, HI, USA, 22-27 April 2017.

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

Poster Presentation

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

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

Oral Presentation

87. Chen SR, Cheung W, Cheng K, Leung YL, Wong KN, Wong YH, Ho CL. “Incremental value of <sup>11</sup>C-acetate over <sup>68</sup>Ga-PSMA PET/CT for diagnosis of primary prostate cancer patients with low-risk clinical factors.” *SNMMI 2017 Annual Meeting*, Denver, Colorado, June 10-14, 2017. Also appeared in *The Journal of Nuclear Medicine*, Vol. 58 (suppl. 1): 543.
88. Chen SR, Leung YL, Cheng K, Wong KN, Cheung W, Wong YH, Ho CL. “<sup>11</sup>C-acetate PET/CT for early detection of HCC originating from the caudate lobe with negative or indeterminate CT/MRI findings.” *SNMMI 2017 Annual Meeting*, Denver, Colorado, June 10-14, 2017. Also appeared in *The Journal of Nuclear Medicine*, Vol. 58 (suppl. 1): 426.

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

European Congress of Radiology (ECR) 2017

Poster Presentation

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

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

Abstract

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

Global Breast Cancer Conference (GBCC), 2017

Poster Presentation

92. Chiu J, Leung R, Shin V, Au CH, Wong L, Chan TL, Lo J, Ma ESK, Kwong A. “A pilot study of molecular-guided Neoadjuvant Chemotherapy (NAC) in patients with Triple Negative Breast Cancer (TNBC).” *GBCC 2017*, Jeju Island, Korea, 20-22 April, 2017
93. Au CH, Ho DN, Ho CYS, Chan TL, Ma ESK, Kwong A. “Comprehensive in silico validation of gene panel next-generation sequencing with supercomputer.” *GBCC 2017*, Jeju Island, Korea, 20-22 April, 2017

5<sup>th</sup> MR in RT Symposium 2017

94. Cheng KF, Fok PH, Chiu G. "Assessment of intrafraction motion in pelvic region by MRI." *5<sup>th</sup> MR in RT Symposium*, Sydney, Australia, 20-23 June 2017.

95. Fung WK, Li CH, Fung LH, Luk WP, Chiu G. "Contouring variability of the organs at risk in head region using contrast T1-weighted MR images." *5<sup>th</sup> MR in RT Symposium*, Sydney, Australia, 20-23 June 2017.

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

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

27<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), 2017

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

Annual Congress of the European Association of Nuclear Medicine (EANM), 2017

Poster Presentation

98. Chen SR, Cheung W, Cheng KC, Leung YL, Wong KN, Wong C, Ho CL. "Significance of 11C-acetate PET/CT in the evaluation of post-treatment recurrence for Gastrointestinal Stromal Tumor." *Annual Congress of the European Association of Nuclear Medicine*, 2017, Vienna, Austria, 21-25 October 2017. Also appeared in *European Journal of Nuclear Medicine and Molecular Imaging*, 2017, Vol. 44(Suppl 2): S679.

99. Cheung MK, Ng N, Liu K, Ho CL. "A Modified Procedure for the Synthesis of a Potential Tau Imaging Agent 11C-PBB3." *Annual Congress of the European Association of Nuclear Medicine*, 2017, Vienna, Austria, 21-25

October 2017. Also appeared in *European Journal of Nuclear Medicine and Molecular Imaging*, 2017, Vol. 44(Suppl 2): S518.

100. Cheung MK, Ng N, Liu K, Ho CL. “A Modified Procedure for the Synthesis of a Potential Tau Imaging Agent 18F-T807 Employing a Neutral Mobile Phase Containing Acetonitrile and a Buffer for Semi-preparative HPLC Purification.” *Annual Congress of the European Association of Nuclear Medicine*, 2017, Vienna, Austria, 21-25 October 2017. Also appeared in *European Journal of Nuclear Medicine and Molecular Imaging*, 2017, Vol. 44(Suppl 2): S517.

The 103<sup>th</sup> Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA), 2017

Poster Presentation

101. Tsoi TT, Chen SR, Cheung W, Ho CL. “Incremental diagnostic value of Ga-68-PSMA-HBED-CC PET imaging over Transrectal ultrasound-guided prostate biopsy for prostate carcinoma.” *the RSNA 103th Scientific Assembly and Annual Meeting*, 2017, McCormick Place, Chicago, Illinois, 26 November – 1 December 2017.

The 59<sup>th</sup> Annual Meeting & Exhibition of the American Association of Physicists in Medicine (AAPM), 2017

Oral Presentation

102. Wong OL, Lo GG, Yuan J, Chung W, Ho B. “The Anatomical Distribution of the Intravoxel Incoherent Motion Parameterics in Healthy Human Liver.” *the 59<sup>th</sup> AAPM Annual Meeting & Exhibition*, 2017, Denver, CO, 30 July – 3 August 2017.

Poster Presentation

103. Choi HHF, Ho YW, Law MYY, Wu PM, Cheung KY, Yu SK. “Quantification of the Increase in Risk of Pneumonitis and Ischemic Heart Disease Among Left Breast Cancer Patients Due to Megavoltage Imaging



Beam in TomoTherapy.” *the 59<sup>th</sup> AAPM Annual Meeting & Exhibition*, 2017, Denver, CO, 30 July – 3 August 2017.

104. Ding Y, Yuan J, Cheung K, Yu S. “Can MR Image Acquisition with Stereotactic Head Frame Improve Image Fusion Consistency in SRS Treatment Planning?” *the 59<sup>th</sup> AAPM Annual Meeting & Exhibition*, 2017, Denver, CO, 30 July – 3 August 2017.

105. Yang B, Geng H, Cheung C, Ding Y, Kong C, Lam W, Cheung K, Yu S. “Feasibility of using octavius 4D phantom in dose rate versus gantry speed test for rapidarc commissioning.” *the 59<sup>th</sup> AAPM Annual Meeting & Exhibition*, 2017, Denver, CO, 30 July – 3 August 2017.

106. Yang B, Geng H, Chiu T, Lam W, Wong W, Cheung K, Yu S. “KV X-ray spectrum estimation from transmission measurements using quadratic programming.” *the 59<sup>th</sup> AAPM Annual Meeting & Exhibition*, 2017, Denver, CO, 30 July – 3 August 2017.

107. Yang B, Wong W, Geng H, Lam W, Cheung K, Yu S. “Constancy Check of Longitudinal Beam Profile for Helical Tomotherapy Using ArcCHECK.” *the 59<sup>th</sup> AAPM Annual Meeting & Exhibition*, 2017, Denver, CO, 30 July – 3 August 2017.

The 59<sup>th</sup> Annual Meeting of the American Society for Radiation Oncology (ASTRO), 2017

Poster Presentation

108. Cheng KF, Fok PH, Chiu G, Mui WL. “Position Accuracy of Using Patient Positioning and Transfer System With Head and Neck Immobilization.” *the 59<sup>th</sup> ASTRO Annual Meeting*, 2017, San Diego, CA, 24 – 27 September 2017. Also appeared in *International Journal of Radiation Oncology\*Biography\*Physics*, 2017, Vol. 99(2S): E647.

109. Chiu TL, Yang B, Geng H, Lam WW, Kong CW, Cheung KY, Yu SK. “Transit Dose Measurement of a HDR Afterloading Brachytherapy Source by a Fluorescent Screen Based QA System.” *the 59<sup>th</sup> ASTRO Annual Meeting*, 2017, San Diego, CA, 24 – 27 September 2017. Also appeared in

*International Journal of Radiation Oncology\*Biology\*Physics*, 2017, Vol. 99(2S): E648-E649.

110. Kong CW, Geng H, Ho YW, Lam WW, Wong WKR, Lee TY, Lee MHC, Cheung KY, Yu SK. “The Effect of Lead Heterogeneity on the Commercial Electron Monte Carlo Dose Calculation for High Energy Electron Beam.” *the 59<sup>th</sup> ASTRO Annual Meeting*, 2017, San Diego, CA, 24 – 27 September 2017. Also appeared in *International Journal of Radiation Oncology\*Biology\*Physics*, 2017, Vol. 99(2S): E679-E680.

111. Lee WM, Wong MS, Cheung CW, Law WK, Lee WY, Yu SK, Chiu G. “An Analysis of Actual Occupancy Versus Routine Schedule of a Linear Accelerator in a Radiation Therapy Department.” *the 59<sup>th</sup> ASTRO Annual Meeting*, 2017, San Diego, CA, 24 – 27 September 2017. Also appeared in *International Journal of Radiation Oncology\*Biology\*Physics*, 2017, Vol. 99(2S): E404.

112. Li CH, Fung WK, Chiu G. “Investigation of organ-at-risk contouring accuracy for MR-only radiotherapy in cranial region.” *the 59<sup>th</sup> ASTRO Annual Meeting*, 2017, San Diego, CA, 24 – 27 September 2017. Also appeared in *International Journal of Radiation Oncology\*Biology\*Physics*, 2017, Vol. 99(2S): S174-S175.

113. Man SY, Fung WWK, Chiu G, Wong O, Luk WP, Fung LH. “The Optimization of Isotropic 3D TSE (SPACE) MR Sequence for Daily Verification Imaging in Radiation Therapy of the Pelvis.” *the 59<sup>th</sup> ASTRO Annual Meeting*, 2017, San Diego, CA, 24 – 27 September 2017. Also appeared in *International Journal of Radiation Oncology\*Biology\*Physics*, 2017, Vol. 99(2S): E695.

International Society for Experimental Hematology 46th Annual Scientific Meeting, 2017

Poster Presentation

114. Cher CY, Ng NKL, Lam SSY, He BL, Ying D, Chung BHY, Au CH, Chan TL, Ma ESK, Liang RHS, Kwong YL, Leung AYH. “Whole exome

sequencing identified candidate gene mutations in a pedigree of familial myeloproliferative neoplasm.” *International Society for Experimental Hematology 46th Annual Scientific Meeting*, Frankfurt, Germany, 24 – 27 August 2017. Also appeared in *Experimental Hematology*, 2017, Vol. 53: S116.

European Society for Medical Oncology 2017 Congress

Poster Presentation

115. Kwong A, Shin VY, Au CH, Ho CYS, Chan TL, Ma ESK. “Identification of germline mutation by 30-gene sequencing and clinical characteristic of Chinese with hereditary breast cancer.” *European Society for Medical Oncology 2017 Congress*, Madrid, Spain, 8 – 12 September 2017. Also appeared in *Annals of Oncology*, 2017, Vol. 28(Suppl. 5): 40-41.

European Society of Cardiology Congress, 2017

116. Goh V, Cheng TKC, Kwan BWY, Wong AHC, Leung HHM. “7 years' experience of shockwave therapy as an alternative coronary artery disease treatment modality.” *European Society of Cardiology Congress 2017*, Barcelona, Spain, 26 – 30 August 2017. Also appeared in *European Heart Journal*, 2017, Vol. 38(Suppl\_1): ehx502.P1802.

The 69<sup>th</sup> American Association for Clinical Chemistry (AACC) Annual Scientific Meeting, 2017

Oral Presentation

117. Lo VMH. “Sigma Value - A Performance Indicator and Quality Improvement Tool.” *the 69<sup>th</sup> AACC Annual Scientific Meeting*, San Diego, CA, 30 July – 3 August 2017.

Poster Presentation

118. Lo VMH. “Glucose-6-Phosphate Dehydrogenase Activity Deficiency - A Critical Indicator for Appropriate Interpretation of 'Normal' Haemoglobin A1c Result.” *the 69<sup>th</sup> AACC Annual Scientific Meeting*, San Diego, CA, 30 July – 3 August 2017. Also appeared in *Clinical Chemistry*, 2017, Vol. 64: S78.

119. Lo VMH. “Point of Care Testing (POCT) Five Years Performance Review Evidenced Connectivity is Essential for the Establishment and Appraisal of an Effective Quality Management (QM) System for the Best of Patient Care.” *the 69<sup>th</sup> AACC Annual Scientific Meeting*, San Diego, CA, 30 July – 3 August 2017. Also appeared in *Clinical Chemistry*, 2017, Vol. 64: S259.

120. Lo VMH. “Sigma metric Quality Framework - Analyte Performance Indicator and Quality Improvement Tool.” *the 69<sup>th</sup> AACC Annual Scientific Meeting*, San Diego, CA, 30 July – 3 August 2017. Also appeared in *Clinical Chemistry*, 2017, Vol. 64: S218.

HKSH Symposium on Advances in Cancer Management, 2017

121. Yang B. “Evaluation of CyberKnife in real-time target tracking during treatment delivery.” *HKSH Symposium on Advances in Cancer Management: Confidence in Motion – CyberKnife SBRT*, 2017, Hong Kong, 13 August 2017.

Radiology 2017, Macau Association of Radiological Technologists

122. Law MYY. “Accidents in Radiotherapy.” *Macau Association of Radiological Technologists Radiology*, 2017

Chinese Society of Imaging Technology Annual Meeting, 2017

Oral Presentation

123. Law MYY. “Surviving the Future in the Aftermath of Radiological Technology Development.” *Chinese Society of Imaging Technology Annual Meeting*, Tianjin, China, 28 – 30 September 2017.

IAEA Technical Meeting on Strengthening of Safety Culture in Radiotherapy through the Use of Incident Learning System, 2017

Oral Presentation

124. Law MYY. “Components of a strong safety culture in medicine, the ISRRT effort.” *IAEA Technical Meeting on Strengthening of Safety Culture in*

*Radiotherapy through the Use of Incident Learning System, Vienna, Austria,  
10 – 13 October 2017.*

The 17<sup>th</sup> Annual Meeting and 2017 TAMRT International Forum, 2017

Oral Presentation

125. Law MYY. “Role evolution and specialties in radiography and radiation therapy in Hong Kong.” *the 17th Annual Meeting and 2017 TAMRT International Forum, Kaohsiung, Taiwan, 4 November 2017.*

The First International Symposium on Advances in Radiation Oncology, 2017

Oral Presentation

126. Law MYY. “Training of Therapists in Hong Kong and Opportunities for PRC trainees.” *The First International Symposium on Advances in Radiation Oncology, Shenzhen, China, 2 – 3 December 2017.*

Ovarian Club X and CoGEN in Asia, 2017

Poster Presentation

127. Au CH, Ho DN, Lau J, Wong EYL, Lam STS, Chan TL, Ma ESK. “Nanopore ultra-long read sequencing enables rapid development of patient-specific genetic marker for pre-implantation diagnosis of ectrodactyly.” *Ovarian Club X and CoGEN in Asia, Hong Kong, 16 – 17 December 2017.*
128. Ho DN, Lau J, Wong EYL, Au CH, Rocha KA, Xue L, Shum TW, Law YC, Ng YY, Lok IH, Tang OS, Ho PC, Chai J, Ma ESK, Chan TL. “Next Generation Sequencing coupled with Haplotyping facilitate Allele Identification in Preimplantation Genetic Diagnosis.” *Ovarian Club X and CoGEN in Asia, Hong Kong, 16 – 17 December 2017.*

Diabetes Summit 2017

129. Lo VMH. “Algorithm for Identification and Reporting of 'Discrepant' HbA1c Result - Local Laboratory Sharing.” *Diabetes Summit 2017.*

