

Publication List

2016

Journal Publications

1. Au CH, Wa A, Ho DN, Chan TL, Ma ESK. "Clinical evaluation of panel testing by next-generation sequencing (NGS) for gene mutations in myeloid neoplasms." *Diagnostic Pathology*, 2016, Vol.11, 11.
2. Burton A et al. (Kwong A.) "Mammographic density assessed on paired raw and processed digital images and on paired screen-film and digital images across three mammography systems." *Breast Cancer Research*, 2016, Vol. 18(1):130.
3. Chan AWM, Chan JKC, Tam AYC, Leung TF, Lee TH. "Guidelines for allergy prevention in Hong Kong." *Hong Kong Medical Journal*, 2016, Vol. 22(3): 279-285.
4. Chan GC, Lam B, Yap DY, Ip MS, Lai KN, Tang SC. "Proteinuria is associated with sleep apnea in chronic kidney disease." *Nephrology Dialysis Transplantation*, 2016, Vol. 31(5): 772-779.
5. Chan HH, Lo G, Cheung PS. "Is pain from mammography reduced by the use of a radiolucent MammoPad? Local experience in Hong Kong." *Hong Kong Medical Journal*, 2016, Vol. 22(3): 210-215.
6. Chan J, Shin VY, Siu MT, Ho JC, Cheuk I, Kwong A. "miR-199a-5p confers tumor-suppressive role in triple-negative breast cancer." *BMC Cancer*, 2016, Vol. 16: 887.
7. Chanana BB et al. (Kwok OH.) "Current practices of Asia-Pacific cardiologists in the utilization of bioresorbable scaffolds." *International Journal of Cardiology*, 2016, Vol. 222: 832-840.
8. Chang JSM, Chan VKC, Ng JCM, Law AKP. "Visual Performance after Bilateral Implantation of a Four-Haptic Diffractive Toric Multifocal

Intraocular Lens in High Myopes.” *Journal of Ophthalmology*, 2016, Vol. 2016, Article ID 5320105, 12 pages.

9. Chang JSM, Law AKP, Ng JCM, Chan VKC. “Comparison of refractive and visual outcomes with centration points 80% and 100% from pupil center toward the coaxially sighted corneal light reflex.” *Journal of Cataract & Refractive Surgery*, 2016, Vol. 42(3): 412-419.
10. Chen JH, Lam HY, Yip CC, Wong SC, Chan JF, Ma ES, Cheng VC, Tang BS, Yuen KY. “Clinical Evaluation of the New High-Throughput Luminex NxTAG Respiratory Pathogen Panel Assay for Multiplex Respiratory Pathogen Detection.” *Journal of Clinical Microbiology*, 2016, Vol. 54(7): 1820-1825.
11. Chen SZ, Yuan J, Deng M, Wei J, Zhou J, Wang YXJ. “Chemical exchange saturation transfer (CEST) MR technique for in-vivo liver imaging at 3.0 tesla.” *European radiology*, 2016, Vol. 26(6): 1792-1800.
12. Cher CY, Leung GM, Au CH, Chan TL, Ma ES, Sim JP, Gill H, Lie AK, Liang R, Wong KF, Siu LL, Tsui CS, So CC, Wong HW, Yip SF, Lee HK, Liu HS, Lau JS, Luk TH, Lau CK, Lin SY, Kwong YL, Leung AY. “Next generation sequencing with a myeloid gene panel in core-binding factor AML showed KIT activation loop and TET2 mutations predictive of outcome.” *Blood Cancer Journal*, 2016, Vol. 6(7):e442
13. Cheung KY, Choi DKY, Lee AWM, Tung Y, Law CK. “The brief history of radiation oncology in Hong Kong.” *Chinese Journal of Radiation Oncology*, 2016, Vol. 25(1): 1-3.
14. Couch FJ et al. (Kwong A.) “Identification of four novel susceptibility loci for oestrogen receptor negative breast cancer.” *Nature Communications*, 2016, Vol. 7, Article no: 11375.
15. Deng M, Chen SZ, Yuan J, Chan Q, Zhou J, Wang YX. “Chemical Exchange Saturation Transfer (CEST) MR Technique for Liver Imaging at 3.0 Tesla: an Evaluation of Different Offset Number and an After-Meal and

- Over-Night-Fast Comparison.” *Molecular Imaging and Biology*, 2016, Vol. 18(2): 274-282.
16. Deng M, Yuan J, Chen WT, Chan Q, Griffith JF, Wang YX. “Evaluation of Glycosaminoglycan in the Lumbar Disc Using Chemical Exchange Saturation Transfer MR at 3.0 Tesla: Reproducibility and Correlation with Disc Degeneration.” *Biomedical and Environmental Sciences*, 2016, Vol. 29(1): 47-55.
 17. Dunning AM et al. (Kwong A.) “Breast cancer risk variants at 6q25 display different phenotype associations and regulate ESR1, RMND1 and CCDC170.” *Nature Genetics*, 2016, Vol. 48(4): 374-386.
 18. Huang FY, Chan AO, Rashid A, Wong DK, Seto WK, Cho CH, Lai CL, Yuen MF. “Interleukin-1[beta] increases the risk of gastric cancer through induction of aberrant DNA methylation in a mouse model.” *Oncology Letters*, 2016, Vol. 11(4): 2919-2924.
 19. Kwong A, Shin VY, Au CH, Law FB, Ho DN, Ip BK, Wong AT, Lau SS, To RM, Choy G, Ford JM, Ma ES, Chan TL. “Detection of Germline Mutation in Hereditary Breast and/or Ovarian Cancers by Next-Generation Sequencing on a Four-Gene Panel” *Journal of Molecular Diagnostics*, 2016, Vol. 18(4): 580-594.
 20. Kwong A, Shin VY, Cheuk IW, Chen J, Au CH, Ho DN, Chan TL, Ma ES, Akbari MR, Narod SA. “Germline RECQL mutations in high risk Chinese breast cancer patients.” *Breast Cancer Research and Treatment*, 2016, Vol. 157(2): 211-215.
 21. Kwong A, Shin VY, Ho JCW, Kang E, Nakamura S, Teo SH, Lee ASG, Sng JH, Ginsburg OM, Kurian AW, Weitzel JN, Siu MT, Law FNF, Chan TL, Narod SA, Ford JM, Ma ESK, Kim SW. “Comprehensive spectrum of BRCA1 and BRCA2 deleterious mutations in breast cancer in Asian countries.” *Journal of Medical Genetics*, 2016, Vol. 53(1): 15-23.
 22. Lam HY, Wong AT, Tsao YC, Tang BS. “Prevalence and phylogenetic characterization of human enterovirus D68 among children with respiratory

- infection in Hong Kong.” *Diagnostic Microbiology and Infectious Disease*, 2016, Vol. 85(2): 174-176.
23. Lau SK, Lam CS, Ngan AH, Chow WN, Wu AKL, Tsang DNC, Tse CWD, Que TL, Tang BSF, Woo PCY. “Matrix-assisted laser desorption ionization time-of-flight mass spectrometry for rapid identification of mold and yeast cultures of *Penicillium marneffei*.” *BMC Microbiology*, 2016, Vol. 16: 36
24. Lam SSY, Ho ESK, He BL, Wong WW, Cher CY, Ng NKL, Man CH, Gill H, Cheung AMS, Ip HW, So CC, Tamburini J, So CW, Ho DN, Au CH, Chan TL, Ma ES, Liang R, Kwong YL, Leung AYH. “Homoharringtonine (omacetaxine mepesuccinate) as an adjunct for FLT3-ITD acute myeloid leukemia.” *Science Translational Medicine*, 2016, Vol. 8(359): 359ra129.
25. Lau SSS, Cheung PSY, Wong TT, Ma MKG, Kwan WH. “Comparison of clinical and pathological characteristics between screen-detected and self-detected breast cancers: a Hong Kong study.” *Hong Kong Medical Journal*, 2016, Vol. 22(3): 202-209.
26. Law BKH, King AD, Bhatia KS, Ahuja AT, Kam MKM, Ma BB, Ai QY, Mo FKF, Yuan J, Yeung DKW. “Diffusion-Weighted Imaging of Nasopharyngeal Carcinoma: Can Pretreatment DWI Predict Local Failure Based on Long-Term Outcome?” *American Journal of Neuroradiology*, 2016, Vol. 37(9): pp1706-1712
27. Lawrenson K et al. (Kwong A.) “Functional mechanisms underlying pleiotropic risk alleles at the 19p13.1 breast-ovarian cancer susceptibility locus.” *Nature Communications*, 2016, Vol. 7: 12675.
28. Leung RC, Yau TC, Chan MC, Chan SW, Chan TW, Tsang YY, Wong TT, Chao C, Yoshizawa C, Soong IS, Kwan WH, Kwok CC, Suen JS, Ngan RK, Cheung PS. “The Impact of the Oncotype DX Breast Cancer Assay on Treatment Decisions for Women With Estrogen Receptor-Positive, Node-Negative Breast Carcinoma in Hong Kong.” *Clinical Breast Cancer*, 2016, Vol. 16(5): 372-378.

29. Li Q, Chan SY, Wong KK, Wei R, Leung YO, Ding AY, Hui TC, Cheung C, Chua SE, Sham PC, Wu EX, McAlonan GM. "Tspyl2 Loss-of-Function Causes Neurodevelopmental Brain and Behavior Abnormalities in Mice." *Behavior Genetics*, 2016, Vol. 46(4): 529-537.
30. Ma ESK, Wang CLN, Wong ATC, Choy G, Chan TL. "Target fluorescence in-situ hybridization (Target FISH) for plasma cell enrichment in myeloma." *Molecular Cytogenetics*, 2016, Vol. 9: 63
31. Matthews NC, Pfeffer PE, Mann EH, Kelly FJ, Corrigan CJ, Hawrylowicz CM, Lee TH. "Urban Particulate Matter-Activated Human Dendritic Cells Induce the Expansion of Potent Inflammatory Th1, Th2, and Th17 Effector Cells." *American Journal of Respiratory Cell and Molecular Biology*, 2016, Vol. 54(2): 250-262.
32. McCormack VA et al. (Kwong A.) "International Consortium on Mammographic Density: Methodology and population diversity captured across 22 countries." *Cancer Epidemiology*, 2016, Vol. 40: 141-151.
33. Meeks HD et al. (Kwong A.) "BRCA2 Polymorphic Stop Codon K3326X and the Risk of Breast, Prostate, and Ovarian Cancers." *Journal of the National Cancer Institute*, 2016, Vol. 108(2): djv315.
34. Mok GSP, Zhang D, Chen SZ, Yuan J, Griffith JF, Wang YXJ. "Comparison of three approaches for defining nucleus pulposus and annulus fibrosus on sagittal magnetic resonance images of the lumbar spine." *Journal of Orthopaedic Translation*, 2016, Vol.6: 34-41.
35. Mok VC, Lam BY, Wang Z, Liu W, Au L, Leung EY, Chen S, Yang J, Chu WC, Lau AY, Chan AY, Shi L, Fan F, Ma SH, Ip V, Soo YO, Leung TW, Kwok TC, Ho CL, Wong LK, Wong A. "Delayed-onset dementia after stroke or transient ischemic attack." *Alzheimer's and Dementia*, 2016, Vol. 12(11): 1167-1176.
36. Nakamura S, Kwong A, Kim SW, Lau P, Patmasiriwat P, Dofitas R, Aryandono T, Hu Z, Huang CS, Ginsburg O, Rashid MU, Sarin R, Teo SH. "Current Status of the Management of Hereditary Breast and Ovarian Cancer

- in Asia: First Report by the Asian BRCA Consortium.” *Public Health Genomics*, 2016, Vol. 19(1): 53-60.
37. Ng AL, Chan TC, Cheng AC. “Conventional versus accelerated corneal collagen cross-linking in the treatment of keratoconus.” *Clinical & Experimental Ophthalmology*, 2016, Vol. 44(1): 8-14.
38. Ng DS, Kwok AK, Tong JM, Chan CW, Li WW. “Bevacizumab for neovascular age-related macular degeneration in Chinese patients in a clinical setting.” *International Journal of Ophthalmology*, 2016, Vol. 9(3): 424-430.
39. Peng X, Ying L, Liu Y, Yuan J, Liu X, Liang D. “Accelerated exponential parameterization of T2 relaxation with model-driven low rank and sparsity priors (MORASA).” *Magnetic Resonance in Medicine*, 2016, Vol. 76(6): 1865-1878.
40. Rebbeck TR et al. (Kwong A.) “Inheritance of deleterious mutations at both BRCA1 and BRCA2 in an international sample of 32,295 women.” *Breast Cancer Research*, 2016, Vol. 18(1): 112.
41. Shin VY, Kwong A. “Response to: Comment on 'Circulating cell-free miRNAs as biomarker for triple-negative breast cancer'.” *British Journal of Cancer*, 2016, Vol. 114(10): e6.
42. Silvestri V et al. (Kwong A.) “Male breast cancer in BRCA1 and BRCA2 mutation carriers: pathology data from the Consortium of Investigators of Modifiers of BRCA1/2.” *Breast Cancer Research*, 2016, Vol. 18(1): 15.
43. To KK, Lee KC, Wong SS, Sze KH, Ke YH, Lui YM, Tang BS, Li IW, Lau SK, Hung IF, Law CY, Lam CW, Yuen KY. “Lipid metabolites as potential diagnostic and prognostic biomarkers for acute community acquired pneumonia.” *Diagnostic Microbiology and Infectious Disease*, 2016, Vol. 85(2): 249-254
44. Vigorito E et al. (Kwong A) “Fine-Scale Mapping at 9p22.2 Identifies Candidate Causal Variants That Modify Ovarian Cancer Risk in BRCA1 and BRCA2 Mutation Carriers.” *PLoS One*, 2016, Vol. 11(7): e0158801.

45. Wang L, Yuan J, Zhang SJ, Gao M, Wang YC, Wang YX, Ju S. "Myocardial T1 rho mapping of patients with end-stage renal disease and its comparison with T1 mapping and T2 mapping: A feasibility and reproducibility study." *Journal of Magnetic Resonance Imaging*, 2016, Vol. 44(3): 723-731.
46. Wong A, Lau AY, Yang J, Wang Z, Liu W, Lam BY, Au L, Shi L, Wang D, Chu WC, Xiong Y, Lo ES, Law LS, Leung TW, Lam LC, Chan AY, Soo YO, Leung EY, Wong LK, Mok VC. "Neuropsychiatric Symptom Clusters in Stroke and Transient Ischemic Attack by Cognitive Status and Stroke Subtype: Frequency and Relationships with Vascular Lesions, Brain Atrophy and Amyloid." *PLoS One*, 2016, Vol. 11(9): e0162846.
47. Wong AS, Lao TT, Cheung CW, Yeung SW, Fan HL, Ng PS, Yuen PM, Sahota DS. "Reappraisal of endometrial thickness for the detection of endometrial cancer in postmenopausal bleeding: a retrospective cohort study." *BJOG*, 2016, Vol. 123(3): 439-446
48. Yang B, Geng H, Kong CW, Lam WW, Cheung KY, Yu SK. "Dose rate versus gantry speed test in RapidArc commissioning: a feasibility study using ArcCHECK." *Biomedical Physics & Engineering Express*, 2016, Vol. 2(6): 067003
49. Yuan J, Lo G, King AD. "Functional magnetic resonance imaging techniques and their development for radiation therapy planning and monitoring in the head and neck cancers." *Quantitative Imaging in Medicine and Surgery*, 2016, Vol. 6(4): 430-448.
50. Yuan J, Wong OL, Lo GG, Chan HL, Wong TT, Cheung SY. "Statistical assessment of bi-exponential diffusion weighted imaging signal characteristics induced by intravoxel incoherent motion in malignant breast tumors." *Quantitative Imaging in Medicine and Surgery*, 2016, Vol. 6(4): 418-429
51. Zeng C et al. (Kwong A.) "Identification of independent association signals and putative functional variants for breast cancer risk through fine-scale mapping of the 12p11 locus." *Breast Cancer Research*, 2016, Vol. 18(1): 64.

52. Zhao F, Yuan J, Lu G, Zhang LH, Chen ZY, Wang YXJ. "T1 ρ relaxation time in brain regions increases with ageing: an experimental MRI observation in rats." *The British Journal of Radiology*, 2016, Vol. 89(1057): 20140704.

Review Article

53. Kwong A. "Genetic testing for hereditary breast cancer in Asia-moving forward." *Chinese Clinical Oncology*, 2016, Vol. 5(3): 47.
54. Lai KN, Leung JC, Tang SC. "Recent advances in the understanding and management of IgA nephropathy." *F1000Research*, 2016, Vol.5: 161
55. Lai KN, Tang SC, Schena FP, Novak J, Tomino Y, Fogo AB, Glassock RJ. "IgA nephropathy." *Nature Reviews Disease Primers*, 2016, Vol. 2: 16001.
56. Shih KC, Chan TC, Ng AL, Lai JS, Li WW, Cheng AC, Fan DS. "Use of Atropine for Prevention of Childhood Myopia Progression in Clinical Practice." *Eye & Contact Lens: Science & Clinical Practice*, 2016, Vol. 42(1): 16-23.
57. Tang SC, Chan GC, Lai KN. "Recent advances in managing and understanding diabetic nephropathy." *F1000Research*, 2016, Vol.5: 1044.

Interesting Image

58. Chen SR, Cheung SK, Wong KN, Wong KK, Ho CL. "68Ga-DOTATOC and 68Ga-PSMA PET/CT Unmasked a Case of Prostate Cancer With Neuroendocrine Differentiation." *Clinical Nuclear Medicine*, 2016, Vol. 41(12): 959-960.

Case Report

59. Chang JSM, Ng JCM, Chan VKC, Law AKP. "Cataract Surgery with a New Fluidics Control Phacoemulsification System in Nanophthalmic Eyes." *Case Reports in Ophthalmology*, 2016, Vol.7:218-226

Author's reply

60. Chan AW, Chan JK, Tam AY, Leung TF, Lee TH. "Authors' reply to 'Physical activity is also an allergy prevention measure'" *Hong Kong Medical Journal*, 2016, Vol. 22(5):514

Oral & Poster Presentations

The Royal College of Pathologists of Australasia, Pathology Update 2016

61. Lo VM. "Unusual cause of Pseudohyperkalaemia in primary care clinic." *RCPA Pathology Update*, Melbourne, Australia, 26-28 February 2016; also appeared in *Pathology*, 2016, Vol. 48(S1): S13.

European Society of Radiology, European Congress of Radiology 2016

Oral Presentation

62. Lee R, Lo GG, Ai V, Chan K, Yuen C, Chung W, Hung M. "3 Tesla MRI Evaluation of Pectus Carinatum with Breath-hold Imaging." *European Congress of Radiology*, Vienna, Austria, 2-6 March 2016.

Poster Presentation

63. Yang B, Geng H, Lam WW, Wong WKR, Cheung KY, Yu SK. "Influence of X-ray energy spectrum in the post-reconstruction method for beam hardening correction in polyenergetic CT reconstruction." *European Congress of Radiology*, Vienna, Austria, 2-6 March 2016.

European Society for Radiotherapy & Oncology (ESTRO 35)

Poster Presentation

64. Chiu TL, Yang B, Geng H, Lam WW, Kong CW, Cheung KY, Yu SK. "Development of a fluorescent screen based QA system for dose verification of afterloading HDR unit." *ESTRO 35*, Turin, Italy, 29 April - 3 May 2016;

also appeared in *Radiotherapy and Oncology*, 2016, Vol. 119(Supp. 1): S470-S471.

65. Geng H, Lam WW, Yang B, Cheung KY, Yu SK. "Feasibility of MLC dosimetric leaf gap measurement using OCTAVIUS 4D system." *ESTRO 35*, Turin, Italy, 29 April - 3 May 2016; also appeared in *Radiotherapy and Oncology*, 2016, Vol. 119(Supp. 1): S715 - S716 .
66. Kong CW, Lam WW, Wong WKR, Lo SG, Chiu TL, Yu SK. "Dosimetric impact of target separation in craniocaudal direction with TomoDirect Dynamic Jaw." *ESTRO 35*, Turin, Italy, 29 April - 3 May 2016; also appeared in *Radiotherapy and Oncology*, 2016, Vol. 119(Supp. 1): S716
67. Yang B, Geng H, Lam WW, Cheung KY, Yu SK. "An empirical post-reconstruction method for beam hardening correction in CT reconstruction." *ESTRO 35*, Turin, Italy, 29 April - 3 May 2016; also appeared in *Radiotherapy and Oncology*, 2016, Vol. 119: S856-S857.

International Society for Magnetic Resonance in Medicine (ISMRM) 24th Annual Meeting & Exhibition

Poster Presentation

68. Ding AY, Wong OL, Yuan J, Law MWK, Cheng KF, Chan KT, Lo GG, Cheung KY, Yu SK. "Tissue positional repeatability in head and neck revealed by a dedicated MR simulator: Is positioning verification using bony landmarks adequate in radiotherapy treatment?" *24th ISMRM Annual Meeting & Exhibition*, Singapore, 7 - 13 May 2016.
69. Law MWK, Lee CMH, Lo GG, Yuan J, Wong OL, Ding AY, Yu SK. "Automatic MR-based Skull Segmentation using Local Shape and Global Topology Priors." *24th ISMRM Annual Meeting & Exhibition*, Singapore, 7 - 13 May 2016.
70. Wong OL, Yuan J, Lo GG, Leung TWT, Chung WK, Ho BWH. "Statistical evaluation of bi-exponential IVIM effect in healthy human liver and its dependence on the cut-off b-value for segmented biexponential fit." *24th ISMRM Annual Meeting & Exhibition*, Singapore, 7 - 13 May 2016.

71. Yuan J, Lo GG, Wong OL, Chan HL, Wong TT, Cheung SY. “Distinguishing pure ductal carcinoma in situ grade using quantitative DWI biomarkers at 3 Tesla.” *24th ISMRM Annual Meeting & Exhibition*, Singapore, 7 - 13 May 2016.

The 55th Annual Conference of the Particle Therapy Co-operative Group (PTCOG 55)

Poster Presentation

72. Cheung CW, Lo SG, Law MWK, Lam WW, Kong CW, Yang B, Cheung KY, Yu SK. “Monte Carlo study of concrete activation in a synchrotron based proton treatment room.” *PTCOG 55*, Prague, Czech Republic, 22 - 28 May 2016.
73. Ho YW, Choi HHH, Cheung KY, Yu SK. “Dosimetric advantages of intensity-modulated proton therapy over photon stereotactic radiosurgery in treatment of small intracranial lesions.” *PTCOG 55*, Prague, Czech Republic, 22 - 28 May 2016.
74. Lam WW, Geng H, Kong CW, Ho YW, Yang B, Chiu TL, Cheung KY, Yu SK. “Dosimetric benefits of intensity-modulated proton therapy as compared with helical tomotherapy in the treatment of nasopharyngeal carcinoma.” *PTCOG 55*, Prague, Czech Republic, 22 - 28 May 2016.

Society of Nuclear Medicine and Molecular Imaging (SNMMI) 2016 Annual Meeting

Oral Presentation

75. Chen SR, Cheung W, Leung WT, Leung YL, Cheng K, Wong KN, Wong YH, Ho CL. “Response prediction in HCC patients treated with 90Y glass microspheres based on metabolic parameters: post-radioembolization 90Y PET/CT tumor dose and pretreatment 11C-acetate & 18F-FDG PET/CT metabolic grading.” *SNMMI 2016 Annual Meeting*, San Diego, California; also appeared in *The Journal of Nuclear Medicine*, Vol. 57(5) suppl. 2: 296.

76. Chen SR, Leung WT, Cheung W, Cheng K, Wong KN, Leung YL, Wong YH, Ho CL. "90Y PET/CT for dosimetry measurement and quantitative optimization in inoperable HCC patients treated by 90Y glass microspheres radioembolization." *SNMMI 2016 Annual Meeting*, San Diego, California; also appeared in *The Journal of Nuclear Medicine*, Vol. 57(5) suppl. 2: 303.

Poster Presentation

77. Chen SR, Leung YL, AU Yeung KM, Cheung W, Wong KN, Cheng K, Wong YH, Lo G, Ho CL. "Comparative study of 18F-DOPA PET/MR and PET/CT in quantification accuracy and clinical applicability for Parkinson's disease: A static and dynamic data analysis." *SNMMI 2016 Annual Meeting*, San Diego, California; also appeared in *The Journal of Nuclear Medicine*, Vol. 57(5) suppl. 2: 1830.

MEDICON 2016

Invited talk

78. Cheung KY. "Systems Medicine for the Delivery of Better Healthcare Services- IUPESM Perspective." Plenary speaker in *MEDICON 2016*, Paphos, Cyprus, 31 March - 2 April 2016

RSNA 102th Scientific Assembly and Annual Meeting

Oral Presentation

79. Wong OL, Lo GG, Yuan J. "Inter-scan positional variability of head and neck soft tissue on a dedicated 1.5T MR simulator with open-face immobilization." *the RSNA 102th Scientific Assembly and Annual Meeting*, November 27 - December 2, 2016, McCormick Place, Chicago, Illinois.

Poster Presentation

80. Chen SR, Wong C, Cheung W, Leung YL, Cheng KC, Wong KN, Lo GG, Ho CL. "Quantification accuracy in detection of primary breast cancer and axillary lymph node metastasis by whole-body (WB) and prone breast PET/MR compared with PET/CT." *the RSNA 102th Scientific Assembly and*

Annual Meeting, November 27 - December 2, 2016, McCormick Place, Chicago, Illinois.

81. Lee R, Lo GG, Chan JK, Chan K, Hung B. "Whole Body MRI Imaging in Oncology Patients: Experience & Challenges." *the RSNA 102th Scientific Assembly and Annual Meeting*, November 27 - December 2, 2016, McCormick Place, Chicago, Illinois.

The 68th AACC Annual Scientific Meeting & Clinical Lab Expo

Poster Presentation

82. Lo VM, Lee TH. "Molecular Allergology – A 'MUST' Clinical Laboratory Service for Allergy Diagnosis and Targeted Patient Management (Peanut as an Example)." *The 68th AACC Annual Scientific Meeting & Clinical Lab Expo*, July 31 – August 4, 2016, Philadelphia; also appeared in *Clinical Chemistry*, 2016, Vol. 62(S10): S89
83. Lo VM. "Point of Care Glucose Testing – Five-Years Performance Review with an In-house Established Quality Assessment Framework." *The 68th AACC Annual Scientific Meeting & Clinical Lab Expo*, July 31 – August 4, 2016, Philadelphia; also appeared in *Clinical Chemistry*, 2016, Vol. 62(S10): S192
84. Lo VM. "Sigma Metrics as Performance Indicator Contributes to Effective Cost and Man-hour Saving in Chemical Pathology Laboratory." *The 68th AACC Annual Scientific Meeting & Clinical Lab Expo*, July 31 – August 4, 2016, Philadelphia; also appeared in *Clinical Chemistry*, 2016, Vol. 62(S10): S159

The ISPD 20th International Conference on Prenatal Diagnosis and Therapy

Poster Presentation

85. Ho DN, Au CH, Lau J, Ma ES, Chan TL. "Preimplantation genetic diagnosis by haplotype enabled allele identification on whole-genome-amplification product from single biopsy." *The ISPD 20th International Conference on*

Prenatal Diagnosis and Therapy, 10-13 Jul 2016, Berlin, Germany; also appeared in *Prenatal Diagnosis*, 2016, Vol.36(Suppl. 1): 23-84 (P-199)

Association for Molecular Pathology Annual Meeting 2016

Poster Presentation

86. Au CH, Ho DN, Chan TL, Kwong A, Ma ES. "A 'best of both worlds' primer trimming approach for NGS data: improving detection of mutations at and near primer binding sites in a breast cancer gene panel." *Association for Molecular Pathology Annual Meeting*, Nov 10-12, 2016, Charlotte, NC; also appeared in *Journal of Molecular Diagnostics*, 2016, Vol.18(6): 987

87. Au CH, Chan TL, Kwong A, Ma ES. "High-throughput screening of polymorphisms in PCR primer binding sites using public and private catalogs of human variation data." *Association for Molecular Pathology Annual Meeting*, Nov 10-12, 2016, Charlotte, NC; also appeared in *Journal of Molecular Diagnostics*, 2016, Vol.18(6): 987

88. Au CH, Chan TL, Kwong A, Ma ES. "Evaluation of bioinformatics pipeline by semi-simulated mutation controls for accurate germline and somatic mutation detection." *Association for Molecular Pathology Annual Meeting*, Nov 10-12, 2016, Charlotte, NC; also appeared in *Journal of Molecular Diagnostics*, 2016, Vol.18(6): 988

19th International Society of Radiographers and Radiological Technologists (ISRRT),
World Congress

Oral presentation

89. Luo WM. "First Clinical Experience of Using Multichannel Vaginal Cylinder in High-dose-rate Brachytherapy." *19th ISRRT World Congress*, Oct 20-22, 2016, Seoul, Korea

90. Ng SY. "Investigation On Left Anterior Descending (LAD) Coronary Artery Motion In Respiratory and Cardiac Cycles For Left-sided Breast Irradiation Using Magnetic Resonance Imaging." *19th ISRRT World Congress*, Oct 20-22, 2016, Seoul, Korea

Poster presentation

91. Chan CK, Luo WM, Lam CP. “The Use of Educational Video Prior to Radiation Therapy Planning Procedure to Improve Patient Knowledge and Satisfaction: A Randomized Controlled Study.” *19th ISRRT World Congress*, Oct 20-22, 2016, Seoul, Korea

Abstract

92. Yuen K, Law MYY. “Practical assessment using Virtual Simulation.” *19th ISRRT World Congress*, Oct 20-22, 2016, Seoul, Korea

American Association of Physicists in Medicine (AAPM) 58th Annual Meeting & Exhibition

Oral Presentation

93. Yang B, Wong WK, Ho YW, Geng H, Lam WW, Cheung KY, Yu SK. “Precision QA Measurement of Gantry Angle and Speed in Tomotherapy Using ArcCheck.” *AAPM 58th Annual Meeting & Exhibition*, Jul 31 – Aug 4, 2016, Washington, DC, USA; also appeared in *Medical Physics*, 2016, Vol. 43(6): pp3634

Poster Presentation

94. Chiu TL, Yang B, Law MWK, Lam WW, Kong CW, Geng H, Cheung KY, Yu SK. “An Extraction Method for Correction of Detector Volume Effect in Small Field Profile Measurement.” *AAPM 58th Annual Meeting & Exhibition*, Jul 31 – Aug 4, 2016, Washington, DC, USA; also appeared in *Medical Physics*, 2016, Vol. 43(6): pp3589
95. Law M, Yuan J, Wong O, Yu S. “MR Geometric Distortion Dependency On Imaging Sequence, Acquisition Orientation and Receiver Bandwidth of a Dedicated 1.5T MR-Simulator.” *AAPM 58th Annual Meeting & Exhibition*, Jul 31 – Aug 4, 2016, Washington, DC, USA; also appeared in *Medical Physics*, 2016, Vol. 43(6): pp3646
96. Wong O, Yuan J, Law M, Ding A, Yu S, Cheung K. “Influence of the Elevated Posterior Position by Using the Customized Vacuum-Bag On the

- Abdominal MR Image Quality: A Quantitative Phantom Study.” *AAPM 58th Annual Meeting & Exhibition*, Jul 31 – Aug 4, 2016, Washington, DC, USA; also appeared in *Medical Physics*, 2016, Vol. 43(6): pp3444
97. Yang B, Wong WK, Lam WW, Geng H, Cheung KY, Yu SK. “Tomotherapy MLC Synchronization and Leaf Open Time Measurements Using ArcCheck.” *AAPM 58th Annual Meeting & Exhibition*, Jul 31 – Aug 4, 2016, Washington, DC, USA; also appeared in *Medical Physics*, 2016, Vol. 43(6): pp3568
98. Yang B, Wong WK, Geng H, Lam WW, Cheung KY, Yu SK. “A Filmless Method for Measurement of Couch Translation Per Gantry Rotation and Couch Speed for Tomotherapy Using ArcCheck.” *AAPM 58th Annual Meeting & Exhibition*, Jul 31 – Aug 4, 2016, Washington, DC, USA; also appeared in *Medical Physics*, 2016, Vol. 43(6): pp3568
99. Yuan J, Wong OL, Cheung KY, Yu SK. “ACR MRI Phantom Test On a 1.5T MR-Simulator with Flexible Coils Setting and Performance Comparison to Volumetric Head Coil Setting.” *AAPM 58th Annual Meeting & Exhibition*, Jul 31 – Aug 4, 2016, Washington, DC, USA; also appeared in *Medical Physics*, 2016, Vol. 43(6): pp3442-3443

American Society for Radiation Oncology (ASTRO) 58th Annual Meeting

Poster Presentation

100. Kong CW, Geng H, Lam WW, Lo SG, Cheung CW, Chiu TL, Yu SK, Cheung KY. “A Complexity-Based Correction Factor for a Commercial 4-Dimensional Ionization Chamber Array System on IMRT Dosimetry Quality Assurance Measurements.” *ASTRO 58th Annual Meeting*, Sep 25 – 28, 2016, Boston, Massachusetts, USA; also appeared in *International Journal of Radiation Oncology*, Vol. 96(2): Supplement, E609-E610
101. Lee VH, Lam TW, Ng SC, Szeto MH, Lam KO, Leung TW. “Effect of Titanium Hardware on Radiation Dosimetry in Postoperative Proton Versus Photon Spinal Stereotactic Body Radiation Therapy After Surgical Decompression for Spinal Cord Compression.” *ASTRO 58th Annual Meeting*,

Sep 25 – 28, 2016, Boston, Massachusetts, USA; also appeared in *International Journal of Radiation Oncology*, Vol. 96(2): Supplement, E80-81

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