

Publication List

2014

Journal Publications

1. Chan WS, Tang BS, Boost MV, Chow C, Leung PH. "Detection of methicillin-resistant *Staphylococcus aureus* using a gold nanoparticle-based colourimetric polymerase chain reaction assay." *Biosens Bioelectron* 2014 Mar, Vol. 53: 105-11.
2. Chan WS, Chan TM, Lai TW, Chan JF, Lai RW, Lai CK, Tang BS. "Complementary use of MALDI-TOF MS and real-time PCR-melt curve analysis for rapid identification of methicillin-resistant staphylococci and VRE." *J Antimicrob Chemother* 2015, Vol. 70: 441-447. doi: 10.1093/jac/dku411. Epub 2014 Oct 21.
3. Chang SM, Ng CM, Chan KC, and Law KP. "Visual Outcomes and Patient Satisfaction after Refractive Lens Exchange with a Single-Piece Diffractive Multifocal Intraocular Lens." *Journal of Ophthalmology* 2014, Vol. 2014, Article ID 458296, 8 pages.
4. Choi HHF, Ho JPY, Yang B, Cheung KY, Yu SK "Technical note: Correlation between TQA data trends and TomoHD Functional Status." *J Appl Clin Med Phys*. 2014 Mar, 15(2):345-349.
5. Felix G. Meinel, Ullrich Ebersberger, U. Joseph Schoepf, Gladys G. Lo, Yeon Hyeon Choe, Yining Wang, Jordan A. Maivelett, Aleksander W. Krazinski, Roy P. Marcus, Fabian Bamberg and Carlo Nicola De Cecco. "Global Quantification of Left Ventricular Myocardial Perfusion at Dynamic CT: Feasibility in a Multicenter Patient Population." *AJR* 2014 Aug, Vol. 203, No. 2: w174-180.
6. Ho CL, Chen SR, Leung YL, Cheng T, Wong KN, Cheung SK, Liang R, and Chim CS, "¹¹C-Acetate for Metabolic Characterization of Multiple Myeloma – A Comparative PET/CT Study with ¹⁸F-Fluorodeoxyglucose PET/CT," *The Journal of Nuclear Medicine* 2014, Vol. 55, No. 5: pp749-752.

7. Jong I, Chen SR, Leung YL, Cheung SK, and Ho CL, “¹¹C-Acetate PET/CT in a Case of Recurrent Haemangiopericytoma,” *Clinical Nuclear Medicine* 2014, Vol. 39, No. 5: pp478-9.
8. Lau SK, Tang BS, Teng JL, Chan TM, Curreem SO, Fan RY, Ng RH, Chan JF, Yuen KY, Woo PC. “Matrix-assisted laser desorption ionisation time-of-flight mass spectrometry for identification of clinically significant bacteria that are difficult to identify in clinical laboratories.” *J Clin Pathol.* 2014, Vol. 67, No. 4: 361-6.
9. Lee TH, Chan June, Lau WY, Lee WL, Lau PC, Lo MH. “Immunotherapy for peanut allergy.” *Hong Kong Med J.* 2014, Vol. 20: 325-30.
10. Lin C, Ho CL, Ng SH, Wang PN, Huang Y, Lin YC, Tang TC, Tsai SF, Rahmouni Alain, and Yen TC. “¹¹C-Acetate as a New Biomarker for PET/CT in Patients with Multiple Myeloma: Initial Staging and Post-Induction Response Assessment.” *European Journal of Nuclear Medicine and Molecular Imaging* 2014, Vol. 41: 41-49.
11. Lin SM, Chen M, Ma ES, Lam YH, Wong KY, Tang MH. “Intrauterine therapy in a fetus with congenital dyserythropoietic anaemia type 1.” *Journal of Obstetrics and Gynaecology* 2014, Vol. 34: 352-364.
12. Lo GG. “Clinical Breast MRI.” *Hong Kong Medical Diary* 2014 March, Vol. 19, No. 3: 17-19..
13. Lo GG, Stevenson C, Schuijt J. “White paper "coronary ct angiography with reduced radiation dose using the Aquilion ONE ViSION edition." *Toshiba Vision* April 2014.
14. Luo SY, Sit KY, Sihoe AD, Suen WS, Au WK, Tang X, Ma ES, Chan WK, Wistuba II, Minna JD, Tsao GS, Lam DC. “Aberrant large tumor suppressor 2 (LATS) gene expression correlates with EGFR mutation and survival in lung adenocarcinomas.” *Lung Cancer* 2014, Vol. 85: 282-292.
15. Ma KK, Lau SS, and Cheung SY. "Ductal carcinoma in situ in Chinese women undergoing opportunistic breast cancer screening." *Surgical Practice* 2014, Vol.

18, Issue 1: pp8-14.

16. Ng EK, Li R, Shin VY, Siu JM, Ma ES, Kwong A. "MicroRNA-143 is downregulated in breast cancer and regulates DNA methyltransferase 3A in breast cancer cells." *Tumor Biol* 2014, Vol. 35: 2591-2598.
17. Ng EK, Shin VY, Leung CP, Chan VW, Law FB, Siu MT, Lang BH, Ma ES, Kwong A. "Elevation of methylated DNA in KILLIN/PTEN in the plasma of patients with thyroid and/or breast cancer." *Onco Targets Ther* 2014 Nov, Vol. 11, No. 7, 2085-92.
18. Tsz-Lung Ngan, Edward Ting-Hei Wong, Kris Lap-Shun Ng, Patrick Kwok-Shing Jeor, Maria Yuen-Yee Law, and Gladys Goh Lo. "Key Performance Indicators for Comparing the Performance of Portable Radiography: Direct Digital Radiography versus Conventional Machine Computed Radiography-A Study in a Nonacute Hospital." *Journal of Medical Imaging and Radiation Sciences* 2014, Vol. 45: 105-114.
19. So CC, Chan AY, Ma ES. "Novel point mutation of the alpha-2 globin gene (HBA2) and a rare 2.4 kb deletion of the alpha-1 globin gene (HBA1) identified in two Chinese patients with HbH disease." *Hemoglobin* 2014, Vol. 38, No.3: 213-215.
20. Wang AY, Fang F, Chan J, Wen YY, Qing S, Chan IH, Lo G, Lai KN, Lo WK, Lam CW, Yu CM. "Effect of paricalcitol on left ventricular mass and function in CKD – the OPERA trial", *J Am Soc Nephrol*. 2014 Jan, Vol. 25, No.1: 175-86
21. Wang Y X J, Lo GG, Yuan J, Larson PE, & Zhang X. "Magnetic resonance imaging for lung cancer screen." *Journal of thoracic disease* 2014. Vol. 6 No. 9: 1340 - 1348.
22. Whiley PJ, de la Hoya M, Thomassen M, Becker A, Brandão R, Pedersen IS, Montagna M, Menéndez M, Quiles F, Gutiérrez-Enríquez S, De Leeneer K, Tenés A, Montalban G, Tserpelis D, Yoshimatsu T, Tirapo C, Raponi M, Caldes T, Blanco A, Santamariña M, Guidugli L, de Garibay GR, Wong M, Tancredi M, Fachal L, Ding YC, Kruse T, Lattimore V, Kwong A, Chan TL, Colombo M, De Vecchi G, Caligo M, Baralle D, Lázaro C, Couch F, Radice P, Southey MC, Neuhausen S, Houdayer C, Fackenthal J, Hansen TV, Vega A, Diez O, Blok R,

Claes K, Wappenschmidt B, Walker L, Spurdle AB, Brown MA; ENIGMA consortium. "Comparison of mRNA splicing assay protocols across multiple laboratories: recommendations for best practice in standardized clinical testing." *Clin Chem* 2014 Feb, Vol. 60, No. 2: 341-352.

23. Wong H, Lau S, Cheung P, Wong TT, Parker A, Yau T, & Epstein RJ. "Lobular breast cancers lack the inverse relationship between ER/PR status and cell growth rate characteristic of ductal cancers in two independent patient cohorts: implications for tumor biology and adjuvant therapy." *BMC cancer* 2014, Vol. 14: 826.

24. Wong OL, Lo GG, Lee R, Li WW, Chan PL, Yu SK, & Noseworthy MD. "The Effect of Respiratory and Cardiac Motion in Liver Diffusion Tensor Imaging (DTI)." *Journal of computer assisted tomography* 2014, Vol. 38, No. 3: 352-359.

Review Article

25. Lee TH. "Allergy, environment and asthma." *Journal of Paediatric Respiriology and Critical Care* 2014 Mar, Vol. 10, No. 1.

Case Report

26. Chan JF, Yee KS, Tang BS, Cheng VC, Hung IF, Yuen KY. "Adult-onset immunodeficiency due to anti-interferon-gamma autoantibody in mainland Chinese." *Chin Med J (Engl)* 2014, Vol 127, No. 6: 1189-90.

27. Ma ES, Wan TS, Chan JC. "Large granular lymphocytic leukemia of gamma-delta T-cells: cytogenetics and fluorescence in-situ hybridization study." *Ann Hematol* 2014, Vol. 93: 1247-1250.

28. Tse CW, Curreem SO, Cheung I, Tang BS, Leung KW, Lau SK, Woo PC. "A novel MLST sequence type discovered in the first fatal case of *Laribacter hongkongensis* bacteremia clusters with the sequence types of other human isolates." *Emerging Microbes and Infections* 2014, Vol. 3, No. 6: e41. doi: 10.1038/emi.2014.39.

Professional Guideline

29. Ho M, Chan J, Lee TH. "Guideline for the diagnosis and management of cow's milk protein allergy (CMPA) in Hong Kong." October 2014. Retrieved from <http://www.allergy.org.hk/>

Book Chapter

30. Ho CL, Chen SR, and Cheung MK, "Chapter 10: Imaging of Tumor Metabolism: PET with Other Metabolites," in *Functional Imaging in Oncology*, Luna et al. (eds.), pp213-239, Springer-Verlag Berlin Heidelberg, 2014.

Oral & Poster Presentations

American Society for Radiation Oncology (ASTRO) 56th Annual Meeting

Oral Presentation

31. Poon SW, Cheng KF, Fung WK, and Chiu G. "Evaluation of deformed image-based dose calculations for adaptive radiotherapy of nasopharyngeal carcinoma." 56th *ASTRO Annual Meeting*, San Francisco, USA, Sep 2014.

Poster Presentations

32. Chiu G. "Acute skin reaction of whole breast irradiation in supine and prone position using tomotherapy." 56th *ASTRO Annual Meeting*, San Francisco, USA, Sep 2014.
33. Fung WK, Chiu G, and Lee WM. "Effect of residual non-rigid errors on actual delivered dose in prone breast tomotherapy." 56th *ASTRO Annual Meeting*, San Francisco, USA, Sep 2014.
34. Lam WW, Geng H, Kong CW, Yang B, Chiu TL, Cheung KY, and Yu SK. "Dosimetric Impact of Dose Servo Control on Long Helical Tomotherapy Treatment Delivery." 56th *ASTRO Annual Meeting*, San Francisco, USA, Sep 2014.
35. Mui WL, and Chiu G. "Dosimetric effect of binary multi-leaf collimator in helical tomotherapy to optic system in treatment nasopharyngeal carcinoma." 56th *ASTRO Annual Meeting*, San Francisco, USA, Sep 2014.

36. Yang B, Lam WW, Geng H, Wong WK, Chiu TL, Cheung KY, and Yu SK. "Application of Expectation-Maximization Method in kV X-Ray Spectrum Estimation From Transmission Measurements." *56th ASTRO Annual Meeting*, San Francisco, USA, Sep 2014.

American Society for Reproductive Medicine (ASRM) 2014 Annual Meeting

Oral Presentation

37. Wong TH, Lam TS, Rocha KA, Xue L, and Xia P. "Comparison of Pregnancy Outcomes of Frozen Embryos Thawed on the Same Or the Day Before." *ASRM*, October 2014, Honolulu, Hawaii.

Asia-Pacific Association of Cataract & Refractive Surgeons

38. Chang SM. "Toric Multifocal IOL for High/ Extreme Myopes." *APACRS*, November 2014, Jaipur, India.

Annual Scientific Meeting of the Obstetrical and Gynecological Society of Hong Kong

39. Xia P. Symmetric Dividing Determines the Day-3 Embryo Quality and Pregnancies in ICSI patients." *4th ASM of OGS HK*, May 2014, Hong Kong.

The fourth Asian and Oceanic Congress on Radiation Protection

Oral Presentation

40. Cheung KY. "Establishing a Radiation Safety Culture in Health Care." *AOCR-4*, May 2014, PWTC, Kuala Lumpur, Malaysia.

Asian Pacific Association for the Study of the Liver (APASL) 24th Annual Meeting
2014 – Hepatology: The New Era Begins

Poster Presentations

41. Chen SR, Cheung SK, Leung YL, Cheng KC, Wong KN, and Ho CL, “PET/CT Assessment of Biodistribution of Yttrium-90-Microspheres in Selective Intrahepatic Radionuclide Therapy for Patients with Inoperable Liver Tumors,” *Hepatology International*, Vol. 8 (suppl.):ppS264, 2014.
42. Chen SR, Cheung SK, Leung YL, Cheng KC, Wong KN, and Ho CL, “¹⁸F-FDG and ¹¹C-Acetate PET/CT Predict Treatment Response of Yttrium-90-Microspheres Liver-Directed Therapy in Patients with Inoperable HCC,” *Hepatology International*, Vol. 8 (suppl.):ppS274, 2014.

9th European Breast Cancer Conference (EBCC 9)

Poster Presentation

43. Kwong A, Lau S, Fung T and Luk L. “Breast-conserving surgery in BRCA1/2 mutation carriers.” *EBCC9, Glasgow, Scotland, the U.K.*, March 2014.

East West Alliance (EWA) Meeting on Big Data and Precision Medicine

44. Au CH, Wa WY, Ho N, Chan TL, Ma SK. “Panel testing for gene mutations in acute myeloid leukaemia by next-generation sequencing.” *EWA, Hong Kong, October 2014.*

European Hematology Association (EHA) 19th Congress

45. Ma SK, Liang HS, Ho N, Au CH, Chan TL. “Next generation sequencing of NBEAL2 gene mutations in Gray Platelet Syndrome.” *EHA, Milan, Italy, June 2014.*

European Society for Radiotherapy & Oncology (ESTRO) 33

Oral Presentations

46. Lee MC and Wu WC. "A study to evaluate the different PET-CT based target volume delineation method in radiotherapy planning of non-small cell lung carcinoma." *ESTRO 33, Vienna, Austria, April 2014.*
47. Mui WL and Chiu G. "Dosimetric comparisons of helical tomotherapy, VMAT and sliding window IMRT in thyroid cancer." *ESTRO 33, Vienna, Austria, April 2014.*
48. Wong ST, Fung WK, Chiu G, and Attyco J. "Comparison of 5 different workflows for auto-contouring MIM software for the purpose of adaptive radiotherapy." *ESTRO 33, Vienna, Austria, April 2014.*

Poster Presentations

49. Cheung KY, Geng H, Yang B, Yu SK, Chiu G and Cheung KFF. "Dosimetric effects on radiotherapy of a patient transportation couch top" *ESTRO 33, Vienna, Austria, April 2014.*
50. Fung WK, Chiu G, and Mui WL. "A novel approach to implement dose-guided ART for HN cases treated with tomotherapy." *ESTRO 33, Vienna, Austria, April 2014.*
51. Geng H, Yang B, Cheung KY and Yu SK. "The angular response of a plane parallel ionization chamber in high energy photon beam" *ESTRO 33, Vienna, Austria, April 2014.*
52. Kong CW, Geng H, Lam WW, Wong WK, Yu S and Cheung KY. "Effect of couch sag on treatment beam width measurement of Tomotherapy machine using solid water slab" *ESTRO 33, Vienna, Austria, April 2014.*
53. Lam WW, Geng H, Kong CW, Cheung KY and Yu SK. "The efficacy of applying heterogeneity correction factors on ArcCHECK for IMRT and VMAT pre-treatment verification" *ESTRO 33, Vienna, Austria, April 2014.*

54. Wong WK, Lo SG, Cheung KY and Yu SK. “The effect of the frequency of absolute dose calibration on the performance of ArcCHECK in helical TomoTherapy DQA.” *ESTRO 33, Vienna, Austria, April 2014.*

55. Yang B, Geng H, Cheung KY, Yu SK, Chiu G, Cheng KFF, Mui WLA. “Study of skin sparing effect of a patient transportation couch top” *ESTRO 33, Vienna, Austria, April 2014.*

International conference on Radiation Protection in Medicine (RPM) 2014

Oral Presentation

56. Cheung KY. “Setting up a proton therapy facility – Radiation protection aspect.” *Medical Physics International Journal, Vol. 2, No.1, pp234, 2014.*

International Symposium on Hereditary Breast and Ovarian Cancer

Poster Presentation

57. Law BF, Au CH, Ho N, Ip BK, Wong TC, Choy G, Chan TL, Ma SK, Kwong A. “Enhancement of VUS interpretation by multifactorial algorithm in familial breast cancer.” *The 5th International Symposium on Hereditary Breast and Ovarian Cancer, Montreal, Canada, April 2014.*

International Breast Cancer Symposium

Poster Presentation

58. Ip BK, Ho N, Au CH, Law BF, Choy G, Chu A, Shin V, Wong A, Chan TL, Ma SK, Kwong A. “Insight from a breast and ovarian cancer patient with double BRCA1 mutations.” *The 3rd International Breast Cancer Symposium, Jeju, Korea, April 2014.*

Joint Annual Meeting International Society for Magnetic Resonance in Medicine (ISMRM) – European Society for Magnetic Resonance in Medicine and Biology (ESMRMB) 2014

Poster Presentations

59. Lee R, Lo GG, Chan KF, Li WW, Chan PO, Liu CW, Chan KM, and Hung ML. “Regional Differences and Age-Related Changes of Apparent Diffusion Coefficient (ADC) in Vertebral Bone Marrow of Healthy Adult.” *Joint Annual Meeting ISMRM-ESMRMB 2014*, Milan Italy, May 2014.
60. Wong OL and Noseworthy MD. “IVIM-DTI of Healthy Human Liver.” *Joint Annual Meeting ISMRM-ESMRMB 2014*, Milan Italy, May 2014.
61. Wong OL, Lo GG, Lee R, Chan PL, Li WW, Yu SK and Noseworthy MD. “The effect of cardiac phase on liver diffusion tensor imaging (DTI).” *Joint Annual Meeting ISMRM-ESMRMB 2014*, Milan Italy, May 2014.

International Society of Radiographers & Radiological Technologists (ISRRT)

Oral Presentation

62. LEE WM, Fung WK, and Chiu G. “Daily dose variation during prone breast helical tomotherapy for large-breast patients: planned dose verses actual delivered dose.” *18th ISRRT World Congress*, Helsinki, Swedish.

Korean Congress of Radiology (KCR)

Poster Presentations

63. Li WW, Lee R, Chan KM, Yuen CT, Tang J, Kong KS. “MR Liver Imaging Using Gadoteric Acid: Experiences and Challenges.” *70th KCR*, October 2014, Seoul, Korea

Radiological Society of North America (RSNA) 100th Scientific Assembly and Annual Meeting

Oral Presentations

64. Chen SR, Leung YL, Cheng KC, Wong KN, Cheung SK, Cheung MK, Mok V, and Ho CL, “¹¹C-PIB PET for Evaluation of Concurrent AD in Poststroke Dementia,” *the RSNA 100th Scientific Assembly and Annual Meeting*, November 30 - December 5, 2014, McCormick Place, Chicago, Illinois.
65. Chen SR, Cheung SK, Leung YL, Cheng KC, Wong KN, Chim CS, and Ho CL, “Comparison of ¹¹C-Acetate PET/CT for the Evaluation of Newly Diagnosed and Relapsed Myeloma,” *the RSNA 100th Scientific Assembly and Annual Meeting*, November 30 - December 5, 2014, McCormick Place, Chicago, Illinois.
66. Yip KC, Lau YC, Chen SR, Cheung SK, and Ho CL, “Comparison in Diagnostic Performance between Single Semi-Supine Acquisition and 2-Position (Upright and Supine) Acquisition in Myocardial Perfusion Imaging with a Solid State Dedicated Cardiac Scanner,” *the RSNA 100th Scientific Assembly and Annual Meeting*, November 30 - December 5, 2014, McCormick Place, Chicago, Illinois.

Poster Presentations

67. Rex Kim Ping Wong, G Lo, B Lam. “Xenon Ventilation CT: Ventilation Changes After Treatment in Patients with Emphysema.” *the RSNA 100th Scientific Assembly and Annual Meeting*, November 30 - December 5, 2014, McCormick Place, Chicago, Illinois.

Society of Nuclear Medicine and Molecular Imaging (SNMMI) 2014 Annual Meeting

Oral Presentation

68. Chen SR, Leung YL, Cheng KC, Wong KN, Cheung SK, and Ho CL, “Milan Criteria Based on Dual-Tracer PET/CT Evaluation Predict 5-Year Disease-Free Survival for Liver Transplant Candidates with HCC,” *The Journal of Nuclear Medicine*, Vol. 55, No. 5 (suppl.): 573, 2014.

Poster Presentations

69. Chen SR, Leung YL, Cheng KC, Wong KN, Cheung SK, and Ho CL, “ ^{18}F -FDG PET/CT is More Sensitive in Detection of Relapsed than Newly Diagnosed Myeloma,” *The Journal of Nuclear Medicine*, Vol. **55**, No. 5 (suppl.): 1578, 2014.
70. Chen SR, Leung YL, Cheng KC, Wong KN, Cheung SK, and Ho CL, “Dual-Time-Point Quantitative Cortical ^{11}C -PIB Distribution Pattern Shows Similarity Between MCI Converter and Early AD,” *The Journal of Nuclear Medicine*, Vol. 55, No. 5 (suppl.): 1866, 2014.
71. Chen SR, Leung YL, Cheng KC, Wong KN, Cheung SK, and Ho CL, “Early Scan Time is Possible in Routine Static ^{18}F -DOPA PET for Parkinson’s Disease - Through Multiple Time Frames Analysis,” *The Journal of Nuclear Medicine*, Vol. 55, No. 5 (suppl.): 1836, 2014.
72. Cheung MK, Chen SR, and Ho CL, “Modified N-Regioselective Synthesis of [^{11}C]rifampicin Employing [^{11}C]methyl Triflate,” *The Journal of Nuclear Medicine*, Vol. **55**, No. 5 (suppl.):ppP, 2014.
73. Lau YC, Yip KC, Chen SR, and Ho CL, “Comparison of Quantitative Measurements in Myocardial Perfusion Imaging Between Solid-state and Anger Scanners,” *The Journal of Nuclear Medicine*, Vol. **55**, No. 5 (suppl.):ppP, 2014.

South-east Asian Radiographers Conference (2014)

74. Law MYY, “Innovation beyond medical imaging and radiation therapy”, South-east Asian Radiographers Conference, Malacca, Malaysia, August 2014

22nd Scientific Congress and International Forum (2014)

75. Law MYY, “Global education in radiography”, 22nd Scientific Congress and International Forum, Chengdu, China, September 2014

Annual Scientific Meeting of Macau Society of Radiological Technologists (2014)

76. Law MYY, “A global overview of radiography education and professional status”, Annual Scientific Meeting of Macau Society of Radiological Technologists, October 2014