

Abstracts and publications related to HIV and Aging by AgeVantage+ investigators:

Abstracts/Posters

Abdul Aziz S, Chong ML, McStea M, Ponnampalavanar S, Raja Azwa R, Kamarullzaman A, Rajasuriar R, Kamarulzaman S. Psychosocial domains contribute to frailty among HIV-infected individuals in Malaysia independent of assessment tool. 2018 Asia Pacific AIDS & Co-infection Conference, 28-30 June 2018, Hong Kong.

Abdul Aziz S, Chong ML, McStea M, Ponnampalavanar S, Raja Azwa R, Kamarullzaman A, Rajasuriar R, Kamarulzaman S. Patterns of health domains characterizing frailty in HIV-infected individuals receiving antiretrovirals in Malaysia. 4th Asian Conference for Sarcopenia and Frailty, 27-28 October 2018, South Korea.

R Rajasuriar, ML Chong, NS Ahmad Bashah, SA Abdul Aziz, M McStea, I Azwa, SF Omar, H Sulaiman, PSM Lai, S Ponnampalavanar, S Kamaruzaman, A Kamarulzaman. High prevalence of geriatric syndromes in young treated HIV-infected individuals. 21st International AIDS Conference, 18-22 July 2016, Durban, South Africa.

Chong ML, Rajasuriar R, Sakthivel R, Ahmad Bashah NS, McStea M, Azwa RI, Omar SF, Kamaruzzaman SB, Kamarulzaman A. Prevalence of depression, anxiety and stress and their association with social engagement among HIV-infected individuals. National HIV Treatment Update, 24-25 Sept 2016, Kuala Lumpur Malaysia.

Sakthivel R, Omar SFS, Rajasuriar R, Ahmad Bashah, McStea M, Wong KY, Chong ML, Ponnampalavanar S, Azwa RI, Kamaruzzaman SB, Kamarulzaman A. HIV-associated neurocognitive disorders (HAND) among HIV-infected individuals in Malaysia: A cross-sectional study. National HIV Treatment Update, 24-25 Sept 2016, Kuala Lumpur Malaysia.

Goh SSL, Lai PSM, Tan ATB, Rajasuriar R, Raja Azwa RIS, Syed Omar S, Sulaiman H, Ahmad Bashah NS, Chong ML, Kamaruzzaman SB, Kamarulzaman A. Prevalence of reduced bone mineral density in human immunodeficiency virus (HIV)-infected compared to uninfected individuals: Preliminary results. National HIV Treatment Update, 24-25 Sept 2016, Kuala Lumpur Malaysia.

Abdul Aziz SA, Ahmad Bashah NS, Naidu S, McStea M, Khoo SP, Ponnampalavanar S, Azwa RIR, Kamarulzaman A, Kamaruzzaman SB, Rajasuriar R. Sarcopenia in HIV-infected is more prevalent than HIV-uninfected. National HIV Treatment Update, 24-25 Sept 2016, Kuala Lumpur Malaysia.

Goh SL, Lai PSM, Ponnampalavanar S, Tan ATB, Rajasuriar R, Ahmad Bashah NS, Chong ML, Kamaruzzaman SB, Kamarulzaman A. Prevalence of osteoporosis in men and women infected with the human immunodeficiency virus compared to healthy community dwelling men and women: Preliminary results. Asia Pacific Primary Care Research Conference, 4-6 Dec 2015, Putrajaya, Malaysia.

Azdiah S, Kamarulzaman S, Rajasuriar R, Kamarulzaman A. Prevalence of frailty and sarcopenia among elderly urban community dwellers in Malaysia. 10th International Association of Gerontology and Geriatrics - Asia/Oceania 2015 Congress, 19-22 Oct 2015, Chiang Mai Thailand.

Zulhaimi N, Abdul Aziz S, Mcstea M, Shaharuddin S, Yap SH, Sulaiman H, Kamarulzaman A, Kamaruzzaman S, Rajasuriar R. Immunological correlates of sarcopenia in HIV-infected individuals on suppressive antiretroviral therapy. 2018 Asia Pacific AIDS & Co-infection Conference, 28-30 June 2018, Hong Kong.

Mukherjee T, Sakthivel R, Fong HY, McStea M, Faridah Omar S, Chin AV, Kamaruzzaman S, Rajasuriar R, Kamarulzaman A, Cysique LA. Detecting Mild HIV-Associated Neurocognitive Disorders in Multi-ethnic Malaysia. 9th IAS Conference in HIV Science (IAS 2017), 23-26 July 2017, Paris, France.

Wong PL, Chong ML, Chang CY, Neelamegam M, Kukreja A, Rajasuriar R. Aging with Human Immunodeficiency Virus (HIV) in Malaysia: What matters most to the HIV community? 19th International Congress on Infectious Diseases (ICID), 10-13 September 2020, Kuala Lumpur, Malaysia.

Chong ML, Wong PL, Chang CY, Neelamegam M, Kukreja A, Rajasuriar R. Community Perspectives on function and quality of life in people living with HIV in Malaysia: Are we measuring it right? 23rd International AIDS Conference (AIDS 2020), 6-10 July 2020.

Rajasuriar R, Chong ML, Fong JY, Raj D, Wong PL, Syed Azwa I, Syed Omar SF, Kamarulzaman A. Aging with HIV: Using treatment cascades to identify gaps in the provision of care to people living with HIV (PLWH). 23rd International AIDS Conference (AIDS 2020), 6-10 July 2020.

Neelamegam M, Ahmad A, Chong ML, Wong PL, Kukreja A, Syed Omar SF, Kamarulzaman A, Kamaruzzaman SB, Rajasuriar R. Psychosocial risk factors and cognitive decline in people living with HIV: results from the Malaysian HIV and Aging cohort. Asia-Pacific AIDS & Co-infection Conference (APACC 2021), 17-19 June 2021.

Neelamegam M, N Mohamad Nawawi, Ahmad Bashah NS, Chong ML, Syed Omar SF, Kamaruzzaman S, Kamarulzaman A, Rajasuriar R, Ramli N. Loss of retinal nerve fiber layer and contrast sensitivity in people living with HIV (PLWH) with well controlled disease. 11th IAS Conference on HIV Science, 18-21 July 2021.

Wong PL, Tan XW, Chong ML, Stockton M, Wainberg M, Sohn A, Rajasuriar R. Preliminary findings from a pre-implementation study on integrating screening for HIV-associated Neurocognitive Disorders (HAND) into routine HIV care in Malaysia. Asia-Pacific AIDS and Co-infections Conference (APACC 2022), 16-18 June 2022.

Ho WY, Neelamegam M, Earnshaw V, Chong V, Lee HG, Rajasuriar R. Poor HIV-related Knowledge, Perceived Risks and Attitudes among Urban-dwelling Malaysian Older

Adults. Asia-Pacific AIDS and Co-infections Conference (APACC 2022), 16-18 June 2022.

A. Kukreja, A. Salleh, Y.S. Ong, R. Rajasuriar. Gaps in physical and mental health care of women living with HIV (WLWH) in a tertiary care hospital. Asia Pacific AIDS and Co-Infections Conference (APACC) 16-18 June 2022.

M.L. Chong, S.R. Hanis, M. Neelamegam, A. Kukreja, S.F. Omar, H.G. Lee, Y.K. Lee, R. Rajasuriar. A cross-sectional study on the preference of mental health screening among people living with HIV at a tertiary care hospital in Malaysia. Asia-Pacific AIDS & Co-Infections Conference (APACC) 2022 (Poster), 16-18 June 2022

Hoi Yee Wong; Pui Li Wong; Abdul Kahar Bador Maria Kahar; Meng Li Chong Meng; Shenoi Sheela; Rozanova Julia; Syed Omar Sharifah Faridah; Neelamegam Malinee; Yew Kong Lee; Rajasuriar Reena. Poor HIV Outcomes among Older Adults Newly Diagnosed with HIV in Malaysia: A Four-Year Retrospective Analysis. Asia-Pacific AIDS & Co-Infections Conference (APACC) 2022, Virtual Conference.

Hoi Yee Wong, Yew Kong Lee, Pui Li Wong, Rajasuriar Reena. Exploring Factors Contributing to Late HIV Testing and Diagnosis among Older Adults in Malaysia. Asia-Pacific AIDS & Co-Infections Conference (APACC) 2022, Virtual Conference.

M.L. Chong , X.W. Tan , P.L. Wong , M. Stockton , M. Wainberg , A. Sohn , Y.K. Lee , R. Rajasuriar. Facilitators and barriers to the integration of substance use screening and linkage to care among people living with HIV in a tertiary care hospital in Malaysia: A qualitative study. Asia-Pacific AIDS & Co-Infections Conference (APACC) 2023 (Poster), 8-10 June 2023

Wong PL, Tan XW, Chong ML, Stockton M, Wainberg M, Rajasuriar R. Barriers and facilitators to implementing neurocognitive impairment screening among people living with HIV in Malaysia. Asia-Pacific AIDS and Co-infections Conference (APACC 2023), 8-10 June 2023.

A. Kukreja, A. Salleh, K. Hasmukharay, J. Ross, K. Lovero, R. Rajasuriar. Gaps in Mental Health Screening and Linkage to Care Amongst Women Living with HIV in a Malaysian Tertiary Teaching Hospital. Asia Pacific AIDS and Co-Infections Conference (APACC) 8-10 June 2023.

M.A.H. Zakria, A. Salleh, R. Rigaud, R. Rajasuriar, A. Kukreja, The Disconnect between ASCVD Scores and Cardiovascular Comorbidities in an Aging Cohort of HIV-Positive Malaysian Women. International Workshop on HIV & Aging 2023

Syaza Fatnin Hisham, Anjanna Kukreja, Siew Hwei Yap, John Son Lim, Wen Ying Ho, Meng Li Chong, Jean Yi Cehong, Anisa Salleh, Malinee Neelamegam, Pui Li Wong, Reena Rajasuriar. Health Outcomes Among Ageing Women Living with HIV on Antiretroviral Therapy in Malaysia. Asia Pacific AIDS and Co-Infections Conference (APACC) 26-29 June 2024.

Syaza Fatnin Hisham, Kiirtaara Aravindhana, Kejal Hasmukharay, Malinee Neelamegam, Xin Woen Tan, Sharifah Faridah Syed Omar, Anjanna Kukreja, Han Cheng Ong, Siti Azdiah Abdul Aziz, Shahrul Bahyah Kamaruzzaman, Meng Li Chong, Pui Li Wong, Reena Rajasuriar. Incidence, Predictors and Health Outcomes Associated with Cognitive Frailty in People Ageing with HIV. 25th International AIDS Conference (AIDS 2024), 22-26 July 2024.

Pui Li Wong, Syaza Hisham, Sazali Basri, Kejal Hasmuk, Lee Ling Lim, Quan Hziung Lim, Nicholas Ken Yoong Hee, Soo Kun Lim, Wan Ahmad Hafiz Wan Md Adnan, Ching Hooi Tan, Mohamed Afiq Mohamed Fauzi, Sharifah Faridah Syed Omar, Reena Rajasuriar. A multidisciplinary team meeting approach for the care of persons ageing with HIV in a resource-limited setting. Asia Pacific AIDS and Co-Infections Conference (APACC) 26-29 June 2024.

Salleh, A.Kukreja, R. Rajasuriar, K. Hasmukharay, J. Ross, K. Lovero. Mental Health-seeking Behaviour and Literacy among Women Living with HIV: An Exploratory Qualitative Study at a Tertiary Teaching Centre. Asia Pacific AIDS and Co-Infections Conference (APACC) 2024

K. Hasmukharay, M.H. Ho, N.A Mohd Mahyudin, A. Salleh, P.L. Wong, A. Kukreja, ML Chong, X.W. Tan, S. Hisham, K. Lovero, J. Ross, R. Rajasuriar. Cognitive Health Matters: Facilitators and Barriers to The Integration of A Multi-Disciplinary Cognitive Rehabilitation Programme for Persons Living with HIV(PWH) in an HIV Clinic in Malaysia: A Pre-Implementation, Qualitative Study. Asia Pacific AIDS and Co-Infections Conference (APACC) 2024

A. Kukreja, M.A.H Zakria, A. Salleh, A.S. Anak Abeng, Q.H. Lim, R. Rajasuriar. Bone health in Malaysian women living with HIV: uncovering the pores in osteoporosis screening and management in a high-risk population. AIDS 2024

Oral presentations

Lim LM, Kamaruzaman S, Chua SS, Rajasuriar R. Polypharmacy and risk factors among urban community dwelling elderly in Malaysia. Malaysian Pharmaceutical Society-Pharmacy Scientific Conference (MPS-PSC), 13-15 Nov 2015, Kuala Lumpur, Malaysia.

Lau YY, Ponampalavanar S, Sulaiman H, Kamarulzaman A, Rajasuriar R. Polypharmacy and risk factors among older HIV-infected individuals in University Malaya Medical Centre (UMMC). Malaysian Pharmaceutical Society-Pharmacy Scientific Conference (MPS-PSC), 13-15 Nov 2015, Kuala Lumpur, Malaysia.

Naidu S, Ponnampalavanar S, Kamaruzzaman SB, Rajasuriar R, Bashah S, Syed Omar SF, Azwa RI, Lai PSM, Kamarulzaman A. Metabolic Syndrome among Malaysian HIV-Infected Patients: Preliminary Results from the HIV & Ageing Cohort. Asia Pacific AIDS & Co-infection Conference (APACC 2016), 17-19 May 2016, Hong Kong, China.

Abdul Aziz SA, Ahmad Bashah NS, Chong ML, Naidu S, McStea M, Khoo SP, Ponnampalavanar S, Raja Azwa RI, Kamarulzaman A, Kamaruzzaman SB, Rajasuriar R. Prevalence of sarcopenia and associated risk factors among HIV-infected individuals receiving suppressive antiretroviral therapy. 2017 Asia Pacific AIDS & Co-infection Conference (APACC 2017), 1-3 June 2017, Hong Kong.

Chong ML, Lim S, Sakthivel R, McStea M, Lau YY, Syed Omar SF, Wong PL, Firdaus A, Kamaruzzaman S, Kamarulzaman A, Rajasuriar R. Drivers for mental health issues among young and old HIV-infected individuals and opportunities for intervention. 2018 Asia Pacific AIDS & Co-infection Conference (APACC 2018), 28-30 June 2018, Hong Kong.

M.L. Chong , X.W. Tan , P.L. Wong , M. Stockton , M. Wainberg , A. Sohn , Y.K. Lee , R. Rajasuriar. Facilitators and barriers to the integration of depression and substance use screening and linkage to care among people living with HIV in a tertiary-care hospital in Malaysia: A qualitative study. Asia-Pacific AIDS & Co-Infections Conference (APACC) 2022, 16-18 June 2022

Syaza Fatnin Hisham, John Son Lim, Jean Yi Cheong, Wen Ying Ho, Xin Woen Tan, Grace Chung-Yan Lui, Malinee Neelamegam, Sharifah Faridah Syed Omar, Meng Li Chong, Pui Li Wong, Reena Rajasuriar. Measuring intrinsic capacity: A screening tool for integrated care in ageing people living with HIV. Asia-Pacific AIDS and Co-infections Conference (APACC 2023), 8-10 June 2023, Singapore.

Lui G, Chen Y, Wong PL, Hung CC, Wong CS, Rajasuriar R. Disability in PLWH in Asia: a prospective multi-centre case-control study. Asia-Pacific AIDS & Co-Infections Conference (APACC) 2023 (Poster), 8-10 June 2023, Singapore.

A.Kukreja, A. Salleh, K. Hasmukharay, J. Ross, K. Lovero, R. Rajasuriar. Facilitators and Barriers to Mental Health Service Integration in Outpatient HIV Care: Insights from Women Living with HIV in Malaysia. Asia Pacific AIDS and Co-Infections Conference (APACC) 2024

Peer review publications

Rajasuriar R, Chong ML, Ahmad Bahshah NS, Abdul Aziz SA, McStea M, Erica Lee CY, Wong PL, Azwa I, Syed Omar SF, Pauline Lai SM, Ponnampalavanar S, Crowe SM, Lewin SR, Kamaruzzaman SB, Kamarulzaman A. Significant health impact of accelerated aging in young HIV-infected individuals on antiretroviral therapy in Malaysia. *AIDS* 2017; 31(10): 1393-1403.

Naidu S, Ponnampalavanar S, Kamaruzzaman S, Kamarulzaman A. Prevalence of metabolic syndrome among people living with HIV in developing countries: A systematic review. *AIDS Patients Care STD* 2017; 31(1): 1-13.

Aziz SAA, McStea M, Ahmad Bahshah NS, Chong ML, Ponnampalavanar S, Syed Omar SF, Sulaiman H, Azwa I, Tan MP, Kamarulzaman A, Rajasuriar R, Kamaruzzaman SB. Assessment of sarcopenia is virally suppressed HIV-infected Asians receiving treatment. *AIDS* 2018; 32(8): 1025-1034.

Mukherjee T, Sakthivel R, Ho YF, McStea M, Chong ML, Syed Omar SF, Chin AV, Kamaruzzaman S, Kamarulzaman A, Rajasuriar R, Cysique L. Utility of using the Montreal Cognitive Assessment (MoCA) as a screening tool for HIV-associated neurocognitive disorders (HAND) in multi-ethnic Malaysia. *AIDS and Behavior* 2018; 22:3226-3233 .

Goh SSL, Lai PSM, Tan ATB, Ponnampalavanar S. Reduced bone mineral density in human immunodeficiency virus-infected individuals: a meta-analysis of its prevalence and risk factors. *Osteoporos Int* 2018, 29(3): 595-613.

Lim LM, McStea M, Chung WW, Nor Azmi N, Abdul Aziz SA, Alwi S, Kamarulzaman A, Kamaruzzaman SB, Chua SS, Rajasuriar R. Prevalence, risk factors and health outcomes associated with polypharmacy among urban community-dwelling older adults in multi-ethnic Malaysia. *PlosOne* 2017; 12(3):e0173466.

Rajasuriar R, Palmer C, Abdel-Mohsen M, Kamaruzzaman S. Integrative biomarkers of biologic aging in HIV. *AIDS* 2019; 33(2): 345-347.

Chong ML, Ying FJ, Raj D, Wong PL, Kukreja A, Syed Omar SF, Kamarulzaman A, Rajasuriar R. A retrospective analysis of the care cascades for non-communicable disease and mental health among people living with HIV at a tertiary-care centre in Malaysia: Opportunities to identify gaps and optimize care. *J Int AIDS Soc* 2020; 23(11):e25638.

Ahsan A, Neelamegam M, Rajasuriar R. Ageing with HIV: Health implications and evolving care needs. *J Int AIDS Soc* 2020; 23(9):e25621.

Abdul Aziz SA, Chong ML, McStea, Wong PL, Ponnampalavanar S, Azwa I, Kamarulzaman A, Kamaruzzaman S, Rajasuriar R. Significant psychosocial influence in frail HIV-infected individuals independent of frailty instrument used. *J Frailty Aging* 2021; 11(2):190-198.

Lazarus JV, Safreed-Harmon K, Kamarulzaman A, Dedes N, Leite RB, Anderson J, Behrens B, Bekker LG, Bhagani S, Brown D, Brown G, Buchbinder S, Caceres C, Cahn PE, Carrieri P, Caswell G, Cooke G, Monforte A, Amo J, Elliott R, El-Sadr WM, José Fuster M, Guaraldi G, Hallett T, Harding R, Hellard M, Jaffar S, Kall M, Klein M, Lewin S, Mayer K, Pérez-Molina J, Moraa D, Nanche D, Nash D, Noori T, Pozniak A, Rajasuriar A, Reiss P, Rizk N, Rockstroh J, Romero D, Sabin C, Serwadda D, Waters L. Consensus statement on the role of health systems in advancing the long-term well-being of people living with HIV. *Nat Com* 2021 Jul 16;12(1):4450.

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Tusek M, Tavares M, Vasconcelos M, Fernandes N, Gianotti N, Langebeek N, Anjos P, Couto R, Fernandes R, Rajasuriar R, Serrão R, Watson S, Branco T, Teixeira T, Soriano V. Development of the HIV360 international core set of outcome measures for adult living with HIV: A consensus process. *HIV Med* 2022; 23(6):639-649.

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Wong HY, Wong PL, Bador MK, Chong ML, Shenoi S, Rozanova J, Syed Omar SF, Neelamegam M, Lee YK, Rajasuriar R. Poor HIV-related outcomes in older adults newly diagnosed with HIV: A four-year retrospective analysis from a single site in Asia. *J Acquir Immune Defic Syndr* 2023; 93(1): 64-72.

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Neelamegam M, Nawi N, Bashah NSA, Hwei YS, Zulhaimi NS, Kamarulzaman A, Kamaruzzaman SB, Ramli N and Rajasuriar R (2023) Significant loss of retinal nerve fibre layer and contrast sensitivity in people with well controlled HIV disease: implications for aging with HIV. *Front. Ophthalmol* 2023. doi: 10.3389/fopht.2023.1251126.

Rajasuriar R, Chong ML, Ross JL, Jiamsakul A, Avihingsanon A, Lee MP, Ditangco R, Choi JY, Gatechompol S, Chan I, Melgar MIE, Kim JH, Sohn AH, Law M; Substance use, Stigma, Depression and Disability (S2D2) study group of IeDEA Asia-Pacific. Factors associated with reduced function and quality of life among adult people with HIV with depression and substance use in the Asia-Pacific region. *AIDS*. 2023 Apr 1;37(5):823-835.

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