



7TH ASIA PACIFIC PRIMARY CARE RESEARCH CONFERENCE

27TH - 29TH JUNE 2019
BAYVIEW HOTEL, GEORGETOWN
PENANG, MALAYSIA

**THEME: ENGAGING PATIENT IN RESEARCH
AND INNOVATION**

ACADEMY OF FAMILY PHYSICIANS OF MALAYSIA

ORGANISED BY

Malaysia Primary Care Research Group

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ACADEMY OF FAMILY
PHYSICIANS OF MALAYSIA

MPCRG

Malaysian Primary Care Research Group

IN COLLABORATION WITH



MINISTRY OF HEALTH
MALAYSIA



COLLEGE OF
FAMILY PHYSICIANS
SINGAPORE

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WELCOME MESSAGE FROM PRESIDENT, ACADEMY OF FAMILY PHYSICIANS OF MALAYSIA



May I congratulate the Malaysian Primary Care Research Group (MPCRG) led by Dr Verna Lee in organising the 7th Asia Pacific Primary Care Research Conference from the 27th-29th June 2019 at the Bayview Hotel Georgetown, Penang, with the theme “Engaging Patient in Research and Innovation”. This is truly a unique approach as it will provide a different but important perspective from our very own patients whose well-being are our concern.

I am particularly pleased at the co-involvement of colleagues from Singapore, Hong Kong and China in both the Organising and Scientific committees as this augurs very well for the future cooperation in primary care research in the Asia Pacific Region.

As the Honorary Secretary for the ASEAN Regional Primary Care Physicians group (ARPaC) and President-Elect of WONCA Asia Pacific Region; at the recent WONCA Asia Pacific Regional Conference in Kyoto in May last month, I had proposed to the WONCA AP Council that MPCRG will play a leading role in collaborating with other Member Organisations of the WONCA Asia Pacific region in enhancing primary care research . I am indeed very pleased to note that MPCRG has already taken the initiative to move forward. The Academy of Family Physicians of Malaysia is in full support of this positive step.

I wish everyone a successful and productive conference, and to our foreign delegates – enjoy Malaysian hospitality!

Best wishes,

A/Prof Dr Mohammad Husni Jamal

President, Academy of Family Physicians of Malaysia.

WELCOME MESSAGE FROM ORGANISING CHAIRPERSON (7TH APPCRC 2019)



Welcome to the 7th Asia Pacific Primary Care Research Conference 2019. This is the 4th time that the conference has been held in Malaysia, and is organized by the Academy of Family Physicians of Malaysia with collaboration with the Ministry of Health Malaysia and the College of Family Physicians of Singapore.

I believe this primary care research conference of this kind is unique in this region. It is challenging to organize it and I am delighted that about 80 delegates from Malaysia, Singapore, Hong Kong, China and Australia have registered by end April 2019. I am confident that all delegates to this conference will benefit enormously from the plenaries and workshops which will be delivered by eminent family medicine researchers from Malaysia, United Kingdom and Singapore. We have also received 50 abstracts for oral, short oral and poster free paper presentations. These are all of high relevance to family medicine and I am sure there will be very useful sharing of experiences among all delegates.

Engaging Patients in Research and Innovation, the theme of our conference, is essentially different as it involves the fusion of our own patients, with practical ethical research methods to innovate care and management for our patients. It is a full cycle, in the real world for better patient care. The entire programme for the conference provides opportunity for engagement in diverse areas of research methods, patient/person-centered practice and complex intervention in primary care.

The research championship continues to be a key feature of our conference. This year we have eight teams competing, and they are guided by experienced researchers to develop their research ideas into viable projects. We also continue the tradition of the Rajakumar Award for the Best Oral Free Paper Presentation. As we build family medicine research capacity in the Asia Pacific region, we are glad to be able to provide a platform for both academic and clinician researchers, to gather, to share, to network and to collaborate.

We would like to thank our collaborators, private institutions, and industry sponsors for their support. We are greatly obliged to all our speakers, judges, reviewers and facilitators for taking their valuable time off in order to share their vast experiences with us. Last but not least, a big salute and heartfelt gratitude to my very hard-working members of the Organizing and Scientific Committees who worked tirelessly for almost a year to ensure that everything is in order.



Associate Professor Dr Verna Lee Kar Mun

Chairperson, Organizing Committee

Chair, Malaysian Primary Care Research Group, Academy of Family Physicians of Malaysia

ORGANISING COMMITTEES

CHAIRPERSON:	Assoc. Prof. Dr. Verna Lee
CO-CHAIRPERSON:	Dr Chean Kooi Yau
SECRETARY:	Dr Sheela Bai Pannir Selvam
TREASURER:	Assoc Prof Dr Noor Azimah
SCIENTIFIC COMMITTEE CHAIRMAN:	Prof Dr Lee Ping Yein Prof Dr Ng Chirk Jenn
RESEARCH CHAMPIONSHIP:	Prof Dr Tong Seng Fah
PUBLICITY:	Dr Iliza Idris Dr. Chin Ying Woei
LOGISTICS & RECEPTION:	Dr Irene Looi Dr. Delis Suzan Marshall
SPONSORSHIP:	Prof Dr Khoo Ee Ming
SOCIAL:	Assoc Prof Dr Adina Abdullah Dr Gnanasegaran Xavier

MEMBERS OF SCIENTIFIC COMMITTEE

CO- CHAIRS

- Professor Dr Ng Chirk Jenn
(Primary Care Department, Faculty of Medicine, University of Malaya)
- Associate Professor Dr Lee Ping Yein
(Department of Family Medicine, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia)

MEMBERS

- Associate Professor Dr Tan Ngiap Chuan
(SingHealth Duke Nus Academic Clinical Programme, SingHealth Polyclinics)
 - Dr Angnes Koong Ying Leng
(Marine Parade Polyclinic, SingHealth Polyclinics)
 - Professor Dr Helen Smith
(Lee Kong Chian School of Medicine, Nanyang Technological University, Singapore)
 - Professor Dr Khoo Ee Ming Khoo
(Department of Primary Care Medicine, Faculty of Medicine, University of Malaya)
 - Assistant Professor Dr Chin Weng Yee
(Department of Family Medicine & Primary Care, Bau Institute of Medical and Health Sciences Education, The University of Hong Kong)
 - Dr ZhiGang Pan
(Department of General Practice, Zhongshan Hospital of Shanghai Medical College Fudan University)
-

FACULTY OF SPEAKER

LOCAL FACULTY:

1. A/Professor Dr. Liew Su May, University of Malaya
2. Professor Dr Tong Seng Fah, The National University of Malaysia
3. Dr Liew Chee Sun, University of Malaya

INTERNATIONAL FACULTY:

1. Professor Christian Mallen, Keele University, United Kingdom
2. Prof Vikki Ann Entwistle, Centre for Biomedical Ethics, Yong Loo Lin School of Medicine (NUS Medicine), Singapore
3. A/Prof Dr Tan Ngiap Chuan, Singapore

SCIENTIFIC PROGRAM SUMMARY

Day 1: Thursday 27th June 2019

Pre-Conference Workshops:

1) Research Championship

0830 – 1700	Hands-on coaching in proposal preparation. Preliminary presentation of proposal at the end of the session.	
	Chairpersons:	Professor Dr Tong Seng Fah A/Professor Dr Tan Ngiap Chuan

2) Writing a research paper

0830 – 1700	Hands-on coaching in research paper writing. Aim to complete a draft manuscript at the end of the session.	
	Speaker :	A/Professor Dr Liew Su May
	Facilitators:	A/Professor Dr Sazlina Shariff Ghazali Dr Chew Boon How

MENTORS OF PRE-CONFERENCE WORKSHOP – RESEARCH CHAMPIONSHIP

Malaysia

Prof Dr Ng Chirk Jenn
Assoc Prof Dr Verna Lee Kar Mun
Assoc Prof Dr Noor Azimah Muhammad
Assoc Prof Dr Cheong Ai Theng
Assoc Prof Dr Nik Sherina Haidi Hanafi
Assoc Prof Dr Adina Abdullah
Dr Irmi Zarina Ismail
Dr Sheela Bai A/P Pannir Selvam
Dr Chean Kooi Yao

Singapore

Assoc Prof Dr Tan Ngiap Chuan
Dr. Low Lian Leng
Dr. Agnes Koong Ying Leng

Day 2: Friday 28th June 2019

0830 – 0900	Welcome Speech by Organizing Chairperson Associate Professor Dr Verna Lee Kar Mun		
0900 – 0945	Plenary 1: Complex Intervention in Primary Care Professor Christian Mallen, Keele University, United Kingdom		
0945 – 1015	Morning Tea		
1015 – 1230	Concurrent Workshops A		
	Workshop 1A	Workshop 2A	Workshop 3A
	Using Mix Methods in Primary Care Research	Researching (for) Person-centred Practice in Primary Care in Asia Pacific Regions	Designing and Evaluating Complex Intervention in Primary Care
	Speaker : A/Prof Dr Tan Ngiap Chuan	Speaker : Prof Vikki Ann Entwistle	Speaker : Prof Christian Mallen
	Facilitators: Prof Dr Noor Azimah Muhammad A/ Prof Dr Adina Abdullah	Facilitators: Dr Sheela Bai Pannir Selvam Dr. Chean Kooi Yau	Facilitators: Prof Dr Khoo Ee Ming Dr Iliza binti Idris
1230 – 1430	Lunch and Poster Judging		

1430 – 1515	Plenary 2: Researching (for) Person-centred Practice Professor Vikki Ann Entwistle, Centre for Biomedical Ethics, Yong Loo Lin School of Medicine (NUS Medicine), Singapore		
1515 – 1645	Concurrent Workshops B		
	Workshop 1B	Workshop 2B	Workshop 3B
	Using Mix Methods in Primary Care Research	Researching (for) Person-centred Practice in Primary Care in Asia Pacific Regions	Designing and Evaluating Complex Intervention in Primary Care
	Speaker : A/Prof Dr Tan Ngiap Chuan	Speaker : Prof Vikki Ann Entwistle	Speaker : Prof Christian Mallen
	Facilitators: Prof Dr Noor Azimah Muhammad A/ Prof Dr Adina Abdullah	Facilitators: Dr Sheela Bai Pannir Selvam Dr. Chean Kooi Yau	Facilitators: Prof Dr Khoo Ee Ming Dr Iliza binti Idris
1645 – 1730	Evening Tea		
1900 –	Gala Dinner		

Day 3: Saturday 29th June 2019

0730 – 0830	Short Oral presentation with poster (3 tracks)		
0830 – 0915	Plenary 3: Implementing Digital Health in Primary Care Dr Liew Chee Sun – University of Malaya, Malaysia		
0915 – 1030	Concurrent Workshops C		
	Workshop 1C	Workshop 2C	Workshop 3C
	Using Mix Methods in Primary Care Research	Researching (for) Person-centred Practice in Primary Care in Asia Pacific Regions	Designing and Evaluating Complex Intervention in Primary Care
	Speaker : A/Prof Dr Tan Ngiap Chuan	Speaker : Prof Vikki Ann Entwistle	Speaker : Prof Christian Mallen
	Facilitators: Prof Dr Noor Azimah Muhammad A/ Prof Dr Adina Abdullah	Facilitators: Dr Sheela Bai Pannir Selvam Dr. Chean Kooi Yau	Facilitators: Prof Dr Khoo Ee Ming Dr Iliza binti Idris
1030 – 1100	Morning Tea		
1100 – 1200	Research Championship Presentation		
1200 – 1300	Oral Presentation		
1300 – 1330	Award Ceremony & Closing		

ABSTRACT

PRE-CONFERENCE WORKSHOP: WRITING A RESEARCH PAPER

Speaker:



ASSOCIATE PROFESSOR DR. LIEW SU MAY

Department of Primary Care Medicine, Faculty of Medicine,
University of Malaya, MALAYSIA.

Academic Qualifications:

DPhil, OXFORD UNIVERSITY
MMED (Family Medicine), UNIVERSITY OF MALAYA (UM)
MBBS, UNIVERSITY OF MALAYA (UM)

Facilitators:



ASSOCIATE PROFESSOR DR. CHEW BOON HOW

Associate Editor,
Malaysian Family
Physician



ASSOCIATE PROFESSOR DR. SAZLINA SHARIFF GHAZALI

Associate Editor,
Malaysian Family

Abstract:

Medical scientific writing and publication is an important component of evidence based medicine and should be an important part of clinical work. Yet many clinicians find this task challenging. The aim of this workshop is to introduce medical publication writing to participants. The workshop will consist of short interactive lectures and small group work. We will provide a step-by-step guide on how to write for publication. The facilitators will also lead a discussion on the challenges of writing and how to overcome these difficulties.

0830-0900	Introduction and overview
0900-0930	How to write the Introduction section
0930-1000	Small group work
1000-1030	Tea break
1030-1100	How to write the Method section
1100-1200	Small group work
1200-1230	How to write the Results section
1230-1300	Small group work
1300-1400	Lunch
1400-1500	Small group work
1500-1530	How to write the Discussion section
1530-1630	Small group work
1630-1700	Wrap-up

Keywords:

Medical writing, research, publishing



PROFESSOR DR. VIKKI ENTWISTLE

Professor of Bioethics and Director of the Centre for Biomedical Ethics (CBmE) at the Yong Loo Lin School of Medicine, National University of Singapore.

Professor of Health Services Research and Ethics at the University of Aberdeen, Scotland.

Plenary Lecture

Title: **Researching (for) person-centred practice**

Abstract: Health services often commit to be 'person centred' (or similar) in their value statements, and 'person centredness' features alongside safety and effectiveness as a key aspect of healthcare quality. In practice, experiences of healthcare suggest services often fall short of person-centred ideals, but it is not clear what should happen to improve things.

In this lecture I will consider some of the core ideas that underpin the advocacy of person-centred practice. I will suggest that as health services and practitioners work to help prevent and address health problems in their communities, they should (be equipped and able to) treat the people they serve with compassion and respect, recognising the full range of ways in which human beings can suffer and flourish, and taking seriously each person's own perspectives on what matters and how they should live their lives.

I will illustrate how several different types of research, including a study of health professionals' experiences of supporting people with diabetes and other long-term conditions, have contributed to the development of more ethically grounded and practically useful understandings of person centred practice. I will also show how some attempts to develop and assess the effectiveness of interventions to promote person-centred practice have seemed to lose sight of the values that underpin the concept. Stressing the importance of taking the social-relational complexity of human experiences and capabilities seriously, I will end by opening up some questions about a future research agenda for research to support person-centred practice in primary care contexts in the Asia-Pacific Region.

Workshops

Title: **Researching (for) person-centred practice in primary care in the Asia Pacific region**

Abstract: This series of three workshops will engage participants in small group activities and larger group discussions that aim (a) to develop ideas about an agenda and considerations for the design and conduct of research to investigate and support person-centred practice in primary care contexts in the Asia-Pacific region; and (b) provide opportunities to learn from and with each other and develop skills to recognise and navigate some of the challenges of such research.

There will be some flexibility, depending on participant interest and where initial activities and discussions lead us, but in outline the three sessions will consider:

1) *Research agenda setting: what kinds of questions should research help us tackle in the pursuit of person-centred practice?*

Participants will share ideas about the experiences and concerns of health professionals, patients and communities in our various Asia Pacific contexts, consider how well ideas and studies of person centred practice from elsewhere resonate, and engage in an exercise to propose and prioritise research questions to take forward.

2) *Researching patients', communities' and practitioners' perspectives: how can we take diverse views seriously?*

Participants will consider some of the practical and ethical challenges of finding out and thinking critically about the experiences of a diverse range of key stakeholders (including people who are particularly socially vulnerable) and their implications for the pursuit of person-centred practice.

3) *Evaluation research: how can we assess progress in person-centred practice?*

Participants will need to think critically about criteria and methods for evaluating interventions to promote person-centred practice as they work together to design an evaluation study.



PROFESSOR DR. CHRISTIAN MALLEN

NIHR Research Professor in General Practice and Director of the Institute for Primary Care and Health Sciences. He leads Keele Universities Global Health Research and is Director of the Wellcome Trust Doctoral Programme for Primary Care.

Mallen trained in clinical medicine in Nottingham, completing general practice training in 2003. He has attracted research income in excess of £40 million and published in journals including the BMJ, JAMA, CMAJ and PLoS Medicine.

He has expertise in epidemiology, clinical trials and qualitative research with his research focusing on improving the diagnosis and management of musculoskeletal and mental health disorders.

Professor Mallen is a Fellow of the Royal College of General Practitioners, Fellow of the Faculty of Public Health and a Founding Fellow of the Faculty of Clinical Informatics. He is the only GP to have been awarded both the Yvonne Carter and John Fry Awards for primary care research.

Plenary Lecture

Title: **Complex solutions to straight forward questions? Highlighting complex interventions in primary care**

Abstract: Life is rarely straightforward, especially in primary care where patients are increasingly challenging to manage. An aging population and a growing reliance on the community to deliver key health services has resulted in a population where multi-morbidity is the norm rather than the exception.

Research to improve outcomes for this group can be difficult to design and conduct, especially in general practice where there may not be a strong research traditional and conventional infrastructure is lacking. Seemingly straight forward research questions can require a large multi-disciplinary team approach to provide the evidence needed to improve outcomes for patients, their families and our wider society.

Complex interventions are widely used in clinical practice – indeed very few of the interventions we use in primary care are simple! There are many other definitions of complex intervention which usually highlight interacting components, and non-linear causal pathways.

This plenary lecture will approach complex interventions from a primary care perspective, using research conducted at the Institute for Primary Care and Health Sciences as examples to explore and explain the Medical Research Council Complex Intervention Framework.

Workshop abstract

Title: **Designing complex interventions in primary care**

Background: Complex interventions are widely used in clinical practice – indeed very few of the interventions we use in primary care are simple! Conventionally defined as interventions with several interacting components, they present a number of special problems for evaluators, in addition to the practical and methodological difficulties that any successful evaluation must overcome. Developing, piloting, evaluating, reporting and implementing a complex intervention can be a lengthy process. All of the stages are important, and too strong a focus on the main evaluation, to the neglect of adequate development and piloting work, or proper consideration of the practical issues of implementation, will result in weaker interventions, that are harder to evaluate, less likely to be implemented and less likely to be worth implementing [MRC 2008].

By the end of this workshop participants will:

- Identify the different phases of the Medical Research Council Complex Intervention Framework and have an appreciation of the importance of each phase in study design
- Develop an understanding of from the perspective of people using the intervention to improve its feasibility and uptake
- Design a primary care based intervention using all phases of the complex intervention
- Present your study using a complex intervention design to an expert assessment panel

Format: This workshop will build on the previous plenary lecture 'Complex solutions to straight forward questions? Highlighting complex interventions in primary care'. A variety of techniques will be used including mini-lectures, interactive small group work and research 'speed dating'. Expert facilitators will be present to support participants. Handouts and other resources will be made available to participants.



ADJUNCT ASSOCIATE PROFESSOR (DR) TAN NGIAP CHUAN

MBBS (S'pore), M Med (Fam Med), FCFP(S), MCI (NUS), FAMS

Director, Research, Senior Consultant, SingHealth Polyclinics (SHP)

Academic Vice Chair, Research (FM ACP), SingHealth Duke-NUS Family Medicine Academic Clinical Programme

A/P Ngiap Chuan Tan is the Director of Research in SHP and is the sub-editor for the SingHealth journal: Proceedings of the Singapore Healthcare. He serves as a reviewer for various local and international medical journals and grant applications.

A/P Tan's research focuses on the self-management of non-communicable diseases such as type 2 diabetes mellitus, hypertension and dyslipidaemia, dementia and asthma, including the use of digital health, point-of-care devices and mobile applications to support patients in self-care. He has published over 80 articles in local and international medical journals such as SMJ, ERJ, npj PCRM, Lancet Respiratory Medicine, Medicine, JMIR, JAMDA and JAMA.

A/P Tan is a facilitator for the in-house research training and runs basic and qualitative research workshops regularly for the multidisciplinary staff in SHP and FM ACP. He coaches medical students from the three local medical schools, novice primary care researchers and trainees in the College of Family Physicians of Singapore Fellowship programme.

A/P Tan has secured research grants from public and private funding agencies such as Singapore National Medical Research Council, Abbott Laboratories and has recently been awarded the AI-SG Grant which aims to leverage on artificial intelligence to develop evidence-based person-centered primary care services.

ORAL PRESENTATION

ORAL ABSTRACT

- 1. Roles and Recommendations from Primary Care Physicians' Towards Managing Breast Cancer Survivors In A Shared-Care Model With Specialists In Singapore: A Qualitative Study**
Fok R.W.Y., Low L.L., Quah J.H.M., Vasanwala F.F., Low S.G., Soh L.L., et al
- 2. The Prevalence of multimorbidity in Singapore: An Epidemiology Study based on Administrative Data**
Xie Y, Lee SPS, Koh HL, Lee ES
- 3. Impact of Lifestyle on Allostatic Load of the Hong Kong Population**
Yu EYT, Yeung CHN, Tang EHM, Wan EYF, Lam CLK
- 4. Determinants associated with the intention to undergo cardiovascular disease health checks among men and women**
Cheong AT, Tong SF, Karuthan C, Khoo EM, Liew SM
- 5. The ethnic and gender differences in the patterns of multimorbidity in Singapore Primary Care Patients**
Lee ES, Xie Y, Stewart M

SHORT ORAL ABSTRACT

1. **PACE-D Training: Coaching healthcare professionals to partner patients in diabetes through Care and Support Planning conversations**
Loh, VWK, Tan WH, Choong ST, SH Ahmad, HL Yap, et al
2. **Factors Associated With Sexual Intention Towards Pre-Marital Sex Activity Among School-Going Late Adolescents In Kuantan, Pahang**
Abdullah Fa'iza, Zainuddin NA, Draman S, A.Rahman NA, Muhammad NA
3. **A Study to Prevent Severe Neonatal Jaundice in Port Dickson**
Nurazura MY, Azainorsuzila MA, Khalili MA, Maizura B
4. **The Use of Medication Packaging Aids in Improving Adherence and Clinical Outcomes**
Mah CS, Lee ES, Kee KW, Nair P., Yip A.
5. **Using video recordings in primary care to stimulate consultation recall: the importance of patient and public involvement in research design**
Bartlam, B, Luna Puerta, L, Smith, H
6. **Medical Publishing in Evidence Based Era: What Predicts a Scientifically Productive Clinician?**
Ganasegeran K, Ch'ng ASH, Jamil MFA, Looi I
7. **Promoting a community-based shared-care survivorship model for breast cancer patients in Singapore: a nationwide qualitative study among primary care physicians**
Ke Y., Fok R.W.Y., Soong Y.L., Loh K.W.J., Harunal Rashid M.F.
8. **Understanding of cardiovascular disease among patients with hypercholesterolemia – a qualitative exploration**
Samsudin S, Md Arifin SR, Md Aris MA, Abdullah F
9. **Predisposing Factors to Men Have Sex With Men (MSM) in Penang, Malaysia.**
Sudin N, Ismaliza I, Wong KK, Azlina S, Azianey Y, et al
10. **Development and Validation of the PATIENT-Medication Adherence Instrument (P-MAI) and the HEALTHCARE PROFESSIONAL-Medication Adherence Instrument (H-MAI) in Malaysia**
Goh SSL, Lai PSM, Liew SM, Tan KM, Chua SS
11. **Patient Morbidity And Management Patterns in Primary Care Clinics in Singapore**
Lim FS, Goh LH, Loh Victor, Young Doris
12. **Cross-cultural adaptation and validation of the Satisfaction Questionnaire for Osteoporosis Patients (SQOP) in Malaysia**
Sandhu AK, Lai PSM, Toh LS, Lee YK, Tan ATB, et al

13. **Outcome Measurements Used In Randomised Controlled Trials Of Teledermatology: A Systematic Mapping Review**
Chow A, Soon C, Smith HE, Apfelbacher C
14. **Do Primary Care Doctors' Personal Health Beliefs and Habits Regarding Smoking Influence Their Clinical Practice?**
Abdullah N, Khoo EM, Liew SM, Ramdzan SN, Abu Bakar AI
15. **Identifying vulnerability in grief: implications for primary care.**
Bartlam, B, Machin, L
16. **The Risk of Fall Associated with Glycemic Control in Community-living Elderly with Diabetes Mellitus**
Lee KarMun, Chong Zi Ching Sharon, Lee Tzun Kit, Kang EnYi, Ahmad Kousaibati, et al
17. **Audiology evaluation among Vector-Control Workers exposed to noise and organophosphate in Penang**
Zulkifli MNK, Siti Fatimah, AG, Nurrul Hidayu A
18. **DietLens, an innovative mobile application - a pilot study of the user experience by Singapore primary healthcare workers**
Ming ZY, Young D, Goh LH, Chua TS
19. **Exploring the potential of public involvement in research in Singapore: the perspective of the local public**
Luna Puerta, Lidia, Smith, Helen
20. **Outcomes of the NHGP Teamlet care model on Chronic Disease Management in Singapore**
Wong S, Lim Z, Chang T, Ramasamy JR, Koh I, et al
21. **Bibliometric study to track the impact of the WReN Spider, an instrument to measure health professionals' experience of research**
Luna Puerta, Lidia, Apfelbacher, Christian, Smith, Helen
22. **Unlysed Hyperkalemia – the Unseen Burden (UHUB)**
Boo Alicia Ying Ying, Tan Ngiap Chuan Hu PL, KohYL Eileen, Hu PL
23. **PACE-D Implementation: Partnering patients in diabetes through Care and Support Planning, lessons from a Tertiary Centre for Primary Care**
Yew TW, Tai ES, Ding LI, Lee L, Tang E, et al
24. **Challenges to Developing a Primary Care System in Rural China: Aging Populations and Divergent Perceptions of Healthcare**
Chen, Shiwei
25. **Research In Ambulatory Care Setting In Malaysia: Where does primary care stand?**
Teng CL, Chew WZ, Khoo EM, Mastura I, Ng CJ

26. Identifying and addressing ethical and practical challenges when video recording in the primary care consultation for specific medical conditions.

Bartlam, B, Luna Puerta, L, Smith, HE, Saunders, B

27. Challenges arising from the healthcare system in pre pregnancy care to women with diabetes (WD) in Malaysia: The healthcare providers' experience

Irmi Zarina Ismail, Ng Chirk Jenn, Lee Ping Yein, Norita Hussein

28. Transition to independent self-management among children with asthma

Ramdzan SN, Pinnock H, Liew SN, Sukri N, Salim H, et al

POSTER PRESENTATION

POSTER ABSTRACT

1. **Factors Associated With Successful Fasting During Ramadan Among Type 2 DM Patients: A Retrospective Recall**
Leow Shing Ni, Tong Seng Fah
2. **Menopausal Experience Among Postmenopausal Women In Kuantan, Pahang – A Qualitative Study**
Jamani NA, Mohamad Ishak NN, Abdul Hadi A, Abdul Aziz KH, Mohd Ariffin SR
3. **Body weight perception and physical activity level among late adolescents in Kuantan, Pahang : A cross-sectional study**
Abd Rahman MA, Jamani NA, Said AH, Abdul Aziz KH
4. **Prevalence of Depression Among Elderly And Its Predictors; A Cross Sectional Study In Community Felda Bukit Goh, Kuantan, Pahang.**
Sulaiman NS, Md Aris MA, Che' Man M, Yusof MZ
5. **Effectiveness Of 2016/17 Seasonal Influenza Vaccine In Preventing Laboratory-Confirmed Influenza Infection In Elderlies, New Territories West Cluster, Hong Kong, A Test-Negative Design Case-Control Study**
KH Chan, TK Chu, KP Tam, J Liang
6. **Prevalance And Associated Factors Of Diabetic Foot At Risk Among Type 2 Diabetes Mellitus Patients Attending Primary Health Clinics In Kuantan.**
Azmi NH, Mad Aris MA, Abdul Hadi A, Nasreen EH, Che Ahmad A
7. **Systematic Review of Primary Care Research Activity in Singapore**
Smith HE, Apfelbacher C, Mah C, Burrell S, Chua J, et al
8. **Assessing the Effectiveness of an Educational Brochure in Increasing the Knowledge, Attitude and Practice of Osteoporosis amongst Singaporean Women Aged 65 Years and above.**
Lulla D, Koh SA, Teo CW, Quek KW, Lis HLA, et al
9. **Impact of Parent and Child Factors on Behavioural Problems of Children from Low Income Chinese Families**
Yu EYT, Chen S, Liu SN, Tang EHM, Wong RSM
10. **A Comparative Study of Respiratory Health Status among Firefighters, Police Officers and Other Occupations**
Chean KY, Abdulrahman S, Chan MW, Tan KC

11. Demographic Characteristic Of Domiciliary Patients Admitted To Hospital Seberang Jaya

Marshall DS, Looi Irene, Rajagopal MD

12. Use of a new tool in food allergy to monitor self-efficacy

Burrell S., Patel N., Vazquez-Ortiz M., Abrantes G., Bartra J, et al

13. Clinical Characteristics, Risk Factors & Aetiology Of Young Stroke in Hospital Seberang Jaya, Penang, Malaysia

Suppiah PD, Looi I

14. The effectiveness of “prompt sheet” in initiating discussion of sexual dysfunction among male patients with diabetes in a primary care setting: an open-label control trial

Nazihah MK, Tong SF, Ezura M. MM

15. Understanding female health professionals’ decisions to remain, return to, or exit the professional workforce

Leong LZ, Toh C, Smith HE

16. Detecting COPD in high risk primary care patients using PUMA score in Hong Kong - A pilot study

Carmen Wong, Phillip Au-Doung, Maria Leung, Samuel Wong

17. What is the Utility of Posters?

Soon C, Tudor Car L, Ng CJ, Tan NC, Smith H

PANEL OF JUDGES

Dr. Chew Boon How	Associate Professor Department of Family Medicine, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia
Dr. Cindy LK Lam	Professor Department of Family Medicine and Primary Care, The University of Hong Kong
Dr. Christian Mallen	Professor Keele University, United Kingdom
Dr. Danny D B Ho	Professor Family Medicine Department of Family Medicine and Primary Care, The University of Hong Kong
Dr. Doris Young Yee Ling	Professor Division of Family Medicine, University Medicine Cluster, Yong Loo Lin School of Medicine, National University of Singapore
Dr. Helen Smith	Professor College Dean's Office, Lee Kong Chian School of Medicine, Nanyang Technological University, Singapore
Dr. John Furler	Associate Professor Department of General Practice, Faculty of Medicine, Dentistry and Health Science, The University of Melbourne, Australia
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