

NCCR 2021

**14th National Conference
for Clinical Research 2021**

"NICHE TO NORM"

**Conference
e-booklet**



NCCR 2021

18th - 20th AUGUST 2021

ORGANISED BY:



SUPPORTED BY:



EVENT MANAGED BY:



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Foreword

Former Minister of Health



YB Dato' Sri Dr. Adham Baba
Former Minister of Health, Malaysia

The Former Ministry of Health (MOH) prioritizes “Health for All”, and one way is by investing in clinical research that matters to the Malaysian people. Therefore, it is a privilege to be with clinicians to celebrate excellence in clinical research.

Malaysia strives for the conduct and translation of high-quality research by broadening human capital that is supported by a growing yet stable research ecosystem. Notably, the annual National Conference for Clinical Research (NCCR) serves as a gateway for researchers and clinicians worldwide to collaborate and share new ideas. I am therefore pleased that despite the challenges of COVID-19 pandemic, this year, the 14th NCCR will be held virtually to support researchers to present their findings.

The 14th NCCR 2021 features the theme “Niche to Norm”. In our COVID-19 time, we have witnessed the rapid development of COVID-19 vaccines, novel diagnostics, enhanced digital solutions, and adaptive clinical trials; all designed to help us recover from the pandemic. On that account, by highlighting these niche areas, the NCCR 2021 aspires to keep Malaysia abreast with the current progress in the global research scene. We look forward for this NCCR to enhance these niche areas.

On behalf of Former Ministry of Health, I would like to extend my appreciation and thanks to the Institute for Clinical Research, the Organizing Committee, the invited speakers, and to all those who contributed towards the success of this conference.

With that, I wish you all a great conference.

Foreword

Director General of Health



Tan Sri Dato' Seri Dr. Noor Hisham bin Abdullah
Director General of Health, Malaysia

I am delighted to be part of this year's 14th National Conference for Clinical Research (NCCR) themed, "Niche to Norm". This year's conference will address a triad of niche areas in medicine such as precision medicine, clinical research, and digital health. The update of the advances in these fields will sow the seed of reshaping and equipping the nation towards a sustainable future of health and healthcare.

The exponential growth in the global development of precision medicine in recent years is exhilarating, hence the 14th NCCR's focus on the niche is timely to provide the platform for us a glimpse through the future of healthcare. It is an exciting niche that will advance the sustainability of the healthcare system by maximizing the healthcare technologies in preserving the health of the nation. Therefore, the Malaysian healthcare industry will need to consider the myriads of issues such as the principle of ethics and legality, the cost and the value-added role, as well as the process of embedding data into workable action that has a meaningful impact on society.

Recently, Malaysia has attested to the world that we possess the quality in the clinical research that leads to the revolution of Hepatitis C's treatment and diagnosis. This historic clinical research breakthrough will reduce the overall cost and the duration of treatment of Hepatitis C desperately needed in the Low- and Middle-Income Countries (LMICs). In addition, the introduction of a rapid diagnostic kit will project Malaysia onto the right path in the road of eliminating Hepatitis C by 2030 by tackling the disease at the point of care. This achievement should aspire the medical fraternity into the culture of clinical research in enhancing the nation's health.

With the continuous battle against the COVID-19 pandemic, the world has adopted digital approaches in healthcare to ensure effective and efficient service delivery. The acceptance of the MySejahtera solution in the public health strategies particularly in the digital contact tracing, vaccination program, and recently, home quarantine order as well as the normalization of outpatient clinical teleconsultations to reduce the risks of COVID-19 are propelling Malaysia towards achieving high digital adaptation in healthcare. We can seize the digital opportunities presented by the COVID-19 crisis to rethink and innovate our ways of delivering value-based healthcare for better patient outcomes.

I trust the conference will offer delegates the opportunity to exchange research ideas and share knowledge that can greatly benefit Malaysia as a leading destination for clinical research. On that note, I congratulate the Institute for Clinical Research and the Organizing Committee for gathering promising Malaysian researchers and renowned international speakers to the 14th NCCR.

I wish you all an enjoyable conference.

Foreword

Deputy Director General of Health



Datuk Dr. Hishamshah bin Mohd Ibrahim
Deputy Director General of Health, Malaysia
(Research and Technical Support)

The 14th National Conference for Clinical Research (NCCR) follows an annual tradition organized by the Institute for Clinical Research (ICR) NIH. This year, the NCCR spotlights the theme “Niche to Norm” which features precision medicine, clinical trials, and digital health.

Through the National Institutes of Health (NIH) the Ministry of Health Malaysia propels research ranging from clinical, biomedical, public health, health management, to health systems. As we chart individualized disease treatments with precision medicine, there is a need to advance digitalization in healthcare for both patient empowerment and facilitate clinical trials. With these special fields of interest in place, the NIH research ecosystem can keep pace with global research development, funding and support.

I look forward to the NCCR fostering professional development across diverse disciplines, widening research collaborations and developing new research in biomedical engineering. By working together, we can generate higher value and outcomes for policy and practice.

I would like to congratulate the Institute for Clinical Research and the Organizing Committee of 14th NCCR for their excellent scientific program. I also wish that the NCCR continues to galvanize the next generation of clinical researchers in Malaysia.

Foreword

Organizing Chairpersons



Dr. Kalaiarasu M. Peariasamy & Dr. Akhmal Yusof

Director of Institute for Clinical Research & CEO of Clinical Research Malaysia

The National Conference for Clinical Research (NCCR) is built on a strong heritage of clinical research dating back to our first NCCR in 2007. Despite the challenges of the pandemic, we have strived to bring virtual experiences that match the conventional way of conferencing.

Revolving around the theme “Niche to Norm,” the 14th NCCR 2021 features keynotes and plenaries in precision medicine, clinical trial, and digital health. Precision medicine is taking a foothold in patient management, especially in Malaysia with a diverse population such as ours. Additionally, the richness of existing biobanks in Malaysia can be a catalyst in furthering precision medicine research in the Southeast Asia region. By leveraging on strong collaborative efforts between researchers and clinicians from multiple disciplines, we are able to conduct clinical trials at a rate comparable with that of pre-pandemic years. The pandemic also provides unique research opportunities. For instance, in the field of digital health, the Institute for Clinical Research is undertaking research incorporating remote sensing biosensors and Artificial Intelligence for monitoring COVID-19 patients in quarantine.

It delights us that NCCR 2021 is continuing the tradition of the Dr. Wu Lien-Teh “Young Investigator Awards” to showcase and celebrate the efforts of our researchers. The Scientific Committee has worked hard to bring together internationally renowned speakers for plenary and symposiums, exhibitions and e-posters presentations from 179 accepted abstracts. We also would like to extend our utmost gratitude to all participants and sponsors for their invaluable support. On behalf of the Institute for Clinical Research and Clinical Research Malaysia, we are honored to welcome you to the 14th NCCR 2021. May you have an excellent and enjoyable conference.

Organizing Committees

Advisor

Datuk Dr. Hishamshah Mohd Ibrahim

Deputy Director General of Health (Research & Technical Support),
Ministry of Health, Malaysia

Chairperson

Dr. Kalaiarasu M. Peariasamy

Director, Institute for Clinical Research (ICR),
Ministry of Health, Malaysia

Co-Chairperson

Dr. Akhmal Yusof

CEO, Clinical Research Malaysia (CRM)

Scientific Committee Chairperson

Dr. Nor Fariza Ngah

Deputy Director, Institute for Clinical Research (ICR),
Ministry of Health, Malaysia

Secretary

Ms. Aida Basri

Mr. Zahid Hamidi

Ms. Naja Mohammad

CREST

Secretariat for Scientific Committee

Dr. Woon Yuan Liang (Lead)

Ms. Teh Hoon Shien (Lead)

Dr. Leong Chin Tho

Dr. June Lau Fei Wen

Ms. Yip Yan Yee

Institute for Clinical Research (ICR)

Organizing Committees

Scientific Reviewers

Dr. Nor Fariza Ngah (Lead)

Dr. Amy Hwong Wen Yea

Dr. Woon Yuan Liang

Dr. Loo Ching Ee

Dr. Wong Wen Jun

Dr. Kuan Pei Xuan

Dr. Ng Sock Wen

Ms. Lim Wei Yin

Ms. Yang Su Lan

Mr. Hing Yee Liang

Ms. Shridevi Subramaniam

Ms. Cheah Kit Yee

Institute for Clinical Research (ICR)

Poster & Presentation Judges

Prof. Dr. Sanjay Rampal Lekhraj Rampal

University of Malaya

Dr. Feisul Idzwan Mustapha

Disease Control Division, Ministry of Health, Malaysia

Dr. Cheah Wee Kooi

CRC Hospital Taiping

Coordinator

Dr. Norizan Rosli (Lead)

Dr. Sharifah Sarah Syed Mohamad Alwi

Ms. Syahirah Farhana Mohd Saleh

Institute for Clinical Research (ICR)

Master of Ceremony

Dr. Syarifah Nurul Ain Syed Badaruddin

CRC Hospital Sungai Buloh

Dr. Aimi Nadiah Jamel

Institute for Clinical Research (ICR)

Dr. Ooi Cheng Lee

Institute for Clinical Research (ICR)

Organizing Committees

Doa Reciter

Mr. Muhammad Zharul Nizam Bin Mutazah

Institute for Clinical Research (ICR)

Conference e-booklet

Dr. Aimi Nadiah Jamel

Dr. Ooi Cheng Lee

Dr. Nur Liana Md Nasir

Ms. Teh Hoon Shien

Ms. Nur Ain Zahidah Zainudin

Institute for Clinical Research (ICR)

Conference Registration & Payment

Mr. Law Wen Feng

Mrs. Farah Alicia Aeria

Ms. Leong Yien Yi

Ms. Chan Yinnfy

Infront Consulting Group APAC

Floor Manager

Dr. Nur Liana Md Nasir

Ms. Nurakmal Baharum

Ms. Nur Ain Zahidah Zainudin

Institute for Clinical Research (ICR)

Technical Support

Mrs. Hasnita Md Jaafar@Jaafar (Lead)

Mr. Ahmad Firdaus Zaidi

Mr. Alfian Zaidi Mohamad Yusof

Mr. Khusaini Mohd Daron

Mr. Mohamad Rizal Mohamad Rodzi

Mr. Mohd Azranshah Hassan

Mr. Muhammad Dzulfadli Muhammad Ishak

Mr. Shariful Izwan Sharifudin

Mr. Sulaiman Harun

Mr. Zulqarnain Baharau

Mrs. Rafidah Hanem Md Dalil

Mrs. Zurriyati Yakub

Ms. Fadzlana A. Rahim

National Institutes of Health (NIH)

Organizing Committees

Secretariat for Organizing Committee

Dr. Siti Sabrina Kamarudin

Mr. Muhammad Zharul Nizam Mutazah

Mr. Muhamad Rasydan Zainal

Mrs. Nur Khairul Bariyyah Mohd Hatta

Mrs. Nur Khalisah Kaswan

Mrs. Rozila Harun

Mrs. Hazlinda Jamalludin

Ms. Airil Liyana Shakirah Yusof Khairan Nizar

Ms. Ainul Ashyikin Tan Ahmad Farid Tan

Ms. Khairul Nisa' Ishak

Ms. Anis Suraya Muhamad Nawawai

Ms. Roslina Husaini

Institute for Clinical Research (ICR)

Conference Programme

Day 1: 18th August 2021
Wednesday

0900 – 0930

Registration of Delegates

0930 – 0935

Welcome Speech

Dr Nor Fariza Ngah

Deputy Director, Institute for Clinical Research

0935 – 1000

Keynote Address

YBhg Tan Sri Dato' Seri Dr Noor Hisham Abdullah

Director General of Health, Ministry of Health, Malaysia

1000 – 1045

CRM Named Lecture

COVID-19 mRNA Vaccine Development

Professor Dr Kiat Ruxrungtham

Professor of Medicine, Department of Medicine
Chulalongkorn University & Scientific Chair of the
Chula Vaccine Research Centre

Moderator: Dr Akhmal Yusof

1045 – 1115

Keynote Lecture

Clinical research aspects on COVID-19 variants
and booster dose

Dr Anand Annamalai

Consultant Endocrinologist, Ashwin Specialty Hospital,
Vadamalayan Hospital

Moderator: Dr Kalaiarasu M. Peariasamy

1115 – 1145

Tea Break & Poster Viewing

Conference Programme

**Day 1: 18th August 2021
Wednesday**

1145 – 1300

**Symposium 1: Precision Oncology – Translating
Discovery to the Clinical Practice**

Moderator: Amanda Lim Wei Yin

1150 – 1210

**Genetics and Genomics of Breast Cancers in
Asian Women**

Professor Datin Paduka Dr Teo Soo Hwang
Chief Scientific Officer, Cancer Research Malaysia

1210 – 1230

**Mining Large-scale Cancer Genome for
Therapeutic and Predictive Biomarker Discovery**

Professor Dr Leong Chee Onn
Deputy Director, Institute for Research, Development
& Innovation, International Medical University

1230 – 1250

**Polygenic Risk Score for Prediction of Breast
Cancer in Asian Women**

Associate Professor Dr Ho Weang Kee
Lecturer, School of Mathematical Sciences, University
of Nottingham

1250 – 1300

Q&A

1300 – 1400

Lunch Break

Conference Programme

**Day 1: 18th August 2021
Wednesday**

1400 – 1535

Symposium 2: Precision Medicine in Diabetes Mellitus & Cardiovascular Health

Moderator: Audrey Lim Huili

1405 – 1425

Gender Differences in Drug Responses

Professor Dr Chim Choy Lang

Professor of Cardiology and Head of the Division of Molecular and Clinical Medicine, University of Dundee

1425 – 1445

Precision Medicine – PRIME Project

Dr Alexander Doney

Senior Lecturer and Honorary Consultant Physician, University of Dundee

1445 – 1505

Precision Medicine for Non-Communicable Diseases (NCD) Using the Genomics Approach

Professor Datuk Dr A. Rahman A. Jamal

Director, UKM Medical Molecular Biology Institute

1505 – 1525

Evidence on Cost-effectiveness of Precision Medicine for Cardiovascular Disease - Are they applicable to Malaysia?

Dr Lim Ka Keat

Research Fellow in Health Economics, King's College London

1525 – 1535

Q&A

1535 – 1600

Tea Break & Poster Viewing

Conference Programme

**Day 1: 18th August 2021
Wednesday**

1600 – 1630

Plenary 1:
**Lessons from COVID-19 for Linking Clinical
Research with Policy**

Vasee Moorthy, MD, PhD

Senior Advisor R&D, Research for Health Science
Division, World Health Organization

Moderator: Dr Loo Ching Ee

1630 – 1700

Plenary 2:
Phase 1 Clinical Trials Centre at HKU

Professor Dr Bernard Cheung Man Yung

Medical Director, Phase 1 Clinical Trials Centre,
University of Hong Kong

Moderator: Dr Loo Ching Ee

1700

Adjourn

Conference Programme

**Day 2: 19th August 2021
Thursday**

0830 – 0845

Registration of Delegates

0845 – 0915

ICR Named Lecture

**Cohort/Biobank Studies towards Personal
Prevention and Precision Medicine**

Professor Sibrandes Poppema

President of Sunway University

Moderator: Dr Kalaiarasu M. Peariasamy

0915 – 1000

NCCR Opening Ceremony

- **Opening Address**

Dr Kalaiarasu M. Peariasamy

Director, Institute for Clinical Research

Dr Akhmal Yusof

CEO, Clinical Research Malaysia

- **Welcome Speech**

YBhg Datuk Dr Hishamshah Mohd Ibrahim

Deputy Director General of Health (P&ST) Ministry
of Health, Malaysia

- **Officiating Speech, Launching of the 14th
NCCR & NCCR Logo**

Tan Sri Dato' Seri Dr. Noor Hisham bin Abdullah

Director General of Health, Malaysia

Conference Programme

**Day 2: 19th August 2021
Thursday**

1000 – 1030

**Plenary 3:
Digital Health: Malaysia Original**

Professor Patrick Then Hang Hui

Professor & Head of School of ICT & Director of
Centre for Digital Futures, Swinburne University of
Technology Sarawak Campus

Moderator: Yang Su Lan

1030 – 1100

**Plenary 4:
Development of an AI-powered Mobile Phone
Application for Early Detection of Oral Cancer**

Associate Professor Dr Chan Chee Seng

Associate Professor, Department of Artificial
Intelligence, Faculty of Computer Science &
Information Technology, Universiti Malaya

Moderator: Yang Su Lan

1100 – 1130

Tea Break & Poster Viewing

1130 – 1300

**Dr Wu Lien-Teh Research Award Competition (Oral
Presentation)**

Oral Presentation Finalists:

1. **Dr Alia Daniella Abdul Halim**, Faculty of
Medicine, UM/MOH
2. **Sivaraj A/L Raman**, Hospital Keningau
3. **Chan Huan Keat**, Hospital Sultanah Bahiyah
4. **Mahfuzah Ishak**, Hospital Sultan Nur Zahirah
5. **Fara Waheda Jusoh**, Hospital Sultanah Nur
Zahirah

Emcee: Teh Hoon Shien

Conference Programme

**Day 2: 19th August 2021
Thursday**

1300 – 1400

Lunch Break

1400 – 1515

Symposium 3: Digital Health Research: From Engineering to Digital Health

Moderator: William Law Kian Boon

1405 – 1425

Are we ready to deploy artificial intelligence in clinical medicine?

Professor Dr Ng Kwan Hoong

Professor, Department of Biomedical Imaging,
Faculty of Medicine, Universiti Malaya

1425 – 1445

Emerging Technologies of Robotics in Healthcare

Prof Ir Ts Dr Ahmad `Athif Mohd Faudzi

Director, Centre for Artificial Intelligence and
Robotics, Universiti Teknologi Malaysia

1445 – 1505

Real World Evidence for Digital Health

Hassan Chaudhury

Global Digital Health Specialist, Healthcare United
Kingdom

1505 – 1515

Q&A

1515 – 1545

Tea Break & Poster Viewing

Conference Programme

**Day 2: 19th August 2021
Thursday**

1545 – 1615

Plenary 5:
**Diabetes Mellitus & Heart Failure: New Insights in
Translational Research**

Professor Dr Chim Choy Lang

Professor of Cardiology and Head of the Division of
Molecular and Clinical Medicine, University of Dundee

Moderator: Nicholas Hing Yee Liang

1615 – 1640

Plenary 6:
**Decentralize Clinical Trials to Unlock Value for
Patients**

Neha Sobti

Managing Director, Life Sciences, Accenture

Christina Gunther

Senior Manager, Life Sciences, European Clinical
Lead, Accenture

Moderator: Nicholas Hing Yee Liang

1640 – 1700

Industry Talk 1:
**Current Trends and Challenges in Healthcare
AI Research Publishing**

Ximena Alvira, MD, PhD

Clinical & Research Manager, Elsevier

Moderator: Nicholas Hing Yee Liang

1700

Adjourn

Conference Programme

**Day 3: 20th August 2021
Friday**

0800 – 0900

Registration of Delegates

0900 – 1015

**Symposium 4: COVID-19 Vaccine Trial:
Myth vs. Evidence**

Moderator: Chew Chun Keat

0905 – 0925

**Trials and tribulations in the covid era; An
overview of COVID19 vaccine trial in Malaysia**

Dr Yasmin Mohamed Gani

Infectious Disease Consultant, Hospital Sungai Buloh

0925 – 0945

**Preclinical research on the inactivated COVID-19
vaccine**

Professor Dr Shaozhong Dong

Deputy Director, Institute for Medical Biology, Chinese
Academy of Medical Sciences, China

0945 – 1005

**Key Points of Phase 1 study of SARS-CoV-2
(Inactivated) Vaccine**

Dr Qin Yu

Head of Phase 1 Clinical Research Unit, National Drug
Clinical Trial Institution of West China Second
University Hospital

1005 – 1015

Q&A

1015 – 1030

Tea Break & Poster Viewing

Conference Programme

**Day 3: 20th August 2021
Friday**

1030 – 1100

Industry Talk 2:
Cloud Computing & Data Analytics in clinical study: Our experience

Dr Mohan Dass Pathmanathan

Research Medical Officer, Institute for Clinical Research (MOH)

Law Wen Feng

Solutions Architect, Infront Consulting Group (M) Sdn Bhd

Moderator: Dr Wong Wen Jun

1100 – 1215

Symposium 5:
Research Advances in Traditional & Alternative Medicine: Progressing to the Future

Moderator: Dr Norizan Rosli

1105 – 1125

The Roadmap of T&CM Integration in Malaysian Healthcare System towards Patient-centered Care

Dr Jaspal Kaur Marik Singh

Senior Principal Assistant Director, Traditional and Complementary Medicine Division, Ministry of Health Malaysia

1125 – 1145

Integrative Medicine for COVID-19: A Chimeric Notion or A New Normal?

Professor Dr Bhushan Patwardhan

Distinguished Professor, Center for Complementary and Integrative Health, Interdisciplinary School of Health Sciences, Savitribai Phule Pune University

Conference Programme

**Day 3: 20th August 2021
Friday**

1145 – 1205

Oncology Acupuncture: Precision Medicine & Patient Well-being

Dr Teo Chiah Shean

Head of T&CM Unit, National Cancer Institute, Ministry of Health Malaysia

1205 – 1215

Q&A

1215 – 1230

Dr Wu Lien-Teh Research Award Competition Prize Giving Ceremony

- **Speech by Dr Hor Chee Peng, Secretary General, Dr Wu Lien-Teh Society**
- **Dr Wu Lien-Teh Society video presentation**
- **Prize giving ceremony by Dr Kalaiarasu and Dr Hor Chee Peng**

1230 – 1245

Closing Ceremony

- **Closing Speech**

Dr Kalaiarasu M. Peariasamy

Director, Institute for Clinical Research

1245

Adjourn

Abstract List

Abstract List

Title and Authors

P-1

Characteristics of Inpatient Falls and Fall Related Injury

Bee Chiu Lim¹, Fatihah Mahmud¹, Bunyamin Abdullah², Muhammad Hazrul Badrul Hisham¹, Shanti Nalalingam³ & Fariz Safhan Mohamad Nor^{1,4}
1. Clinical Research Centre Hospital Tengku Ampuan Afzan, Ministry of Health Malaysia, Kuantan, Pahang
2. Quality Unit, Hospital Tengku Ampuan Afzan, Ministry of Health Malaysia, Kuantan, Pahang
3. Department of Nursing, Hospital Tengku Ampuan Afzan, Ministry of Health Malaysia, Kuantan, Pahang
4. Department of Nephrology, Hospital Tengku Ampuan Afzan, Ministry of Health Malaysia, Kuantan, Pahang

P-2

Asymptomatic COVID-19 Presentation in Children: Should We Screen?

Kuan Pei Xuan^{1,2}, Denisa Khoo³, Karisha Sivam³, Nurul Ain Naim⁴, Ong Li Teng⁴, See Kwee Ching⁴, Kalaivasu M. Peariasamy^{3,5}
1. Digital Health Research and Innovation, Institute for Clinical Research, Malaysia
2. Clinical Research Centre, Sungai Buloh Hospital, Malaysia
3. Paediatric Dentistry Department, Sungai Buloh Hospital, Malaysia
4. Paediatric Department, Sungai Buloh Hospital, Malaysia
5. Director Office, Institute for Clinical Research, Malaysia

P-3

Methadone Substitution Therapy among Opioid Dependents: A Unicentric Experience

Khalid Karniza¹, Ooi Yit Tyse², Abdul Rashid Outbuddin², Mohammad Yusoff Muhammad Zul Azri², Jamaluddin Ruzita^{1,2}
1. Clinical Research Centre
2. Department of Psychiatry and Mental Health, Hospital Tuanku Fauziah, Perlis, Ministry of Health Malaysia

P-4

The Trend and Predictors for Tuberculosis Treatment Success Among Children in Malaysia Using MyTB Version 2.1 Database Over Five Years

S Maria Awaluddin^{1,2}, Nurhuda Ismail¹, Yuslina Zakaria³, Siti Munira Yasin¹, Asmah Razali⁴, Mohd Hatta Abdul Mutalip², Noor Aliza Lodz², Kamarul Imran Musa⁵, Faridah Kusin⁶, Tahir Aris⁷
1. Department of Public Health Medicine, Faculty of Medicine, Universiti Teknologi MARA, Sungai Buloh, Selangor
2. Institute for Public Health, National Institutes of Health, Ministry of Health Malaysia
3. Department of Pharmaceutical Life Sciences, Faculty of Pharmacy, University Teknologi MARA, Puncak Alam, Selangor, Malaysia
4. TB/Leprosy Sector, Disease Control Division, Ministry of Health, Malaysia
5. Department of Community Medicine, School of Medical Sciences, Universiti Sains Malaysia
6. Selangor Health State Department, Ministry of Health Malaysia
7. Institute for Medical Research, National Institutes of Health, Ministry of Health Malaysia

P-5

Cost-Effectiveness Analysis of a Combination Therapy Versus Monotherapy for Smoking Cessation

Tony Henderson Jeyarajah¹, Mohd Rizal Abdul Manaf¹
1. Kuala Lumpur Health Clinic, Universiti Kebangsaan Malaysia Medical Centre

P-6

Survival of patients with advanced and recurrent ovarian cancer treated using integrative medicine in Malaysia: A case series

Sharon Linus-Lojikip¹, Vijaendreh Subramaniam², Wei-Yin Lim³, Amar-Singh HSS¹
1. Clinical Research Centre (CRC), Hospital Raja Permaisuri Bainun, Ipoh, Perak, Ministry of Health, Malaysia
2. Dr Vijae Integrative Cancer Center, Mahkota Medical Center, Melaka, Malaysia
3. Centre for Clinical Epidemiology, Institute for Clinical Research, National Institutes of Health, Ministry of Health Malaysia, Selangor, Malaysia

P-7

Effect of Dialysis Modality on the Survival of End-Stage Renal Disease Patients Starting Dialysis in Sabah from 2007 to 2017: A Retrospective Cohort Study

Thamron Keowmani¹, Anis Kausar Ghazali², Najib Majdi Yaacob², Koh Wei Wong³
1. Clinical Research Centre, Hospital Queen Elizabeth, Kota Kinabalu, Sabah
2. Unit of Biostatistics and Research Methodology, Universiti Sains Malaysia, Kubang Kerian, Kelantan
3. Nephrology Unit, Hospital Queen Elizabeth, Kota Kinabalu, Sabah

P-8

The Impact of Living with Spinal Muscular Atrophy in Malaysia from Patients' and Caregivers' Perspectives

Karina Kohl¹, Azlina Ahmad Annuar², Fahisham Taib³, Koh Cha Ling⁴, Edmund Lim Soon Chin⁵, Ch'ng Gaik Siew⁶
1. Clinical Research Centre, Hospital Kuala Lumpur
2. Department of Biomedical Science, Faculty of Medicine, University of Malaya
3. Department of Paediatrics, Hospital Universiti Sains Malaysia
4. HELP University, Kuala Lumpur
5. Persatuan Kebajikan Ceriajaya Kuala Lumpur Dan Selangor (WeCareJourney)
6. Genetics Department, Hospital Pulau Pinang

Abstract List

Abstract List	Title and Authors
P-9	Antibiotic Usage in the Early Phase of COVID-19 Pandemic: A National Perspective Izzati-Nadhirah Mohamad ¹ , Calvin Ke-Wen Wong ¹ , Chii-Chii Chew ² , E-Li Leong ² , Biing-Horng Lee ¹ , Cheng-Keat Moh ¹ , Komalah Chenasammy ¹ , Chee-Loon Lim ³ , Hong-Bee Ker ³ 1. Medical Department, Hospital Raja Permaisuri Bainun (HRPB), Ipoh, Ministry of Health (MOH), Malaysia. 2. Clinical Research Centre, HRPB, Ipoh, MOH, Malaysia. 3. Infectious Diseases Unit, Medical Department, HRPB, Ipoh, MOH, Malaysia
P-10	Prevalence of Transfusion Transmitted Infection among Blood Donors in Perak State of Malaysia Sabariah Mohd Noor ¹ , Tan Pei Pei ¹ , Jernih Abdul Rahman ¹ , Afifa Dzulkafli ¹ , Seetha Daywipragas ¹ , Thevasree Balakrishnan ¹ , Chang Chee Tao ² 1. Transfusion Medicine Department, Hospital Raja Permaisuri Bainun 2. Clinical Research Centre, Hospital Raja Permaisuri Bainun
P-11	Satisfaction among Patients and Caregivers Receiving Value-Added Services during the Covid-19 Pandemic Outbreak in a Tertiary Hospital in the Perak State of Malaysia Chew Lan Sim ¹ , Yeo Yee Ling ¹ , Chang Chee Tao ² , Chew Chii Chii ² , Doris George ¹ , Philip Rajan ² 1. Pharmacy Department, Hospital Raja Permaisuri Bainun 2. Clinical Research Centre, Hospital Raja Permaisuri Bainun
P-12	Comorbidity And Its Impact on COVID-19 Positive Patients Who Died in Malaysia Monica Danial ^{1*} , Ann Lisa Arulappen ² , Shahrul Aiman Bin Soelar ³ , Alan Swee Hock Ch'ng ^{1,4} , Irene Looi ^{1,4} 1. Clinical Research Centre (CRC) Hospital Seberang Jaya, Institute for Clinical Research, Ministry of Health Malaysia (MOH); 2. Pharmacy Department Hospital Seberang Jaya, Institute for Clinical Research, Ministry of Health Malaysia (MOH); 3. Clinical Research Centre (CRC) Hospital Sultanah Bahiyah Hospital, Institute for Clinical Research, Ministry of Health Malaysia (MOH); 4. Medical Department, Hospital Seberang Jaya
P-13	Determinants of COVID-19 Vaccine Acceptance among Healthcare Workers in Penang Gunenthira Rao ¹ , Anu Suria ² 1. Public Health Medicine Specialist, Penang State Health Department 2. Medical Lecturer & Family Medicine Specialist, Universiti Sains Islam Malaysia
P-14	Paediatric Dosing Information in Package Insert of Antibiotics Used in a Malaysian Tertiary Hospital Shamala Balan ¹ , Kirrthana Kanagarajah ¹ , Nor Anisa MD Salleh ¹ 1. Pharmacy Department, Hospital Tunku Azizah (HTA), Kuala Lumpur
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1. Pharmacy Practice & Development Service Division (JKWPKL&P) 2. Hospital Putrajaya (HPJ) 3. District Cheras Health Office (JKWPKL&P) 4. Hospital Teluk Intan 5. Klinik Kesihatan Jinjang 6. Klinik Kesihatan Sungai Besi 7. Klinik Kesihatan Tanglin 8. Klinik Kesihatan Kuala Lumpur

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1. Psychiatry Department, Hospital Seri Manjung, Perak, Ministry of Health, Malaysia 2. Clinical Research Centre, Hospital Seri Manjung, Perak, Ministry of Health, Malaysia

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1. Clinical Research Centre, Hospital Taiping

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1. Clinical Research Centre, Hospital Raja Permaisuri Bainun, Ipoh, Ministry of Health, Malaysia 2. Institute for Health Systems Research, Ministry of Health, Malaysia 3. Jabatan Kesihatan Negeri Perak, Ministry of Health, Malaysia

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1. Sector for Biostatistics & Repository Data, NIH, MOH

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1. Centre of Clinical Epidemiology, Institute for Clinical Research, National Institutes of Health (NIH), 40170 Shah Alam, Selangor, Malaysia 2. Department of Radiotherapy and Oncology, Hospital Kuala Lumpur, Jalan Pahang, 50586 Kuala Lumpur, Malaysia 3. Breast & Endocrine Surgery Unit, Department of Surgery, Hospital Kuala Lumpur, 50586 Jalan Pahang Wilayah Persekutuan, Kuala Lumpur, Malaysia

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1. Hospital Tunku Azizah, Kuala Lumpur 2. UiTM Selayang Campus, Kuala Lumpur 3. Faculty of Medicine,
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