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THE 5TH USIM INTERNATIONAL HEALTH CONFERENCE

ORGANIZED BY
**FACULTY OF MEDICINE AND HEALTH
 SCIENCES**

13-14 SEPTEMBER 2022



**LESSONS FROM THE
 PANDEMIC:
 RESHAPING MEDICINE &
 HEALTHCARE**



IHEC 2022 ABSTRACT BOOK

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WELCOMING MESSAGE



Foreword by Vice-Chancellor

Prof. Ts. Dr. Sharifudin Md. Shaarani

Vice-Chancellor

Universiti Sains Islam Malaysia

Alhamdulillah, it is with His Great Blessing that all of us can meet today for this seminar, albeit by virtual means. It is an honour for me to be invited to officiate this event.

I would also like to thank Allah Subwanahu Wa Ta'ala because, even though we are facing this challenging pandemic of COVID-19, we are still able to organise important events such as this virtual seminar.

The 5th USIM International Health Conference is a biennial, 2 days conference organised by the Faculty of Medicine and Health Sciences, Universiti Sains Islam Malaysia. This is the second time that the conference will be conducted virtually after the successful event in the 4th edition where we received more than 300 participants, with more than 200 papers presented.

For this edition, the theme is "LESSONS FROM THE PANDEMIC: RESHAPING MEDICINE AND HEALTHCARE". As we move towards the endemic phase, we should not forget that for the past two years, the COVID-19 pandemic has affected all of us. Many of us have been infected, hospitalised and to some extent, some of the family members or friends had passed away due to the infection. Many have lost their jobs and still struggling to meet their daily needs.

The COVID-19 pandemic had also taught us that a good and efficient healthcare system is crucial in facing all the potential threats and challenges in the future. I hope that through this conference, new ideas, experiences and knowledge could be presented, shared and discussed among scholars, academicians, scientists and clinicians.

With more than 200 registered participants, together with distinguished speakers from various countries, backgrounds and experiences, it is expected that this conference will provide a good platform for us to get valuable lessons from the pandemic. Through this conference also, the possible development of new protocols, guidelines, or policies related to pandemic preparedness could be produced.

Regardless of the pandemic, the prospect of healthcare transformation looks promising, as more and more aspects of medicine and healthcare need to be injected with new ideas and concepts as a way forward. Hence, the theme of today's conference "LESSONS FROM THE PANDEMIC: RESHAPING MEDICINE AND HEALTHCARE" is very much relevant and timely.

Thus, I would like to congratulate Profesor Dato' Dr. Muhammad Shamsir, Associate Professor Dr Mohd Radzniwan A. Rashid and their team at the Faculty of Medicine and Health Sciences, USIM for successfully organising this event.

I hope that all participants can gain much knowledge and forge valuable networking opportunities from this 2-days conference.

With Bismillahirrahmanirrahim, I hereby declare the 5th USIM International Health Conference officially open.

Thank you.

Wa billahi taufiq wal hidayah, Assalamualaikum warahmatullahi wabarakatuh.



Message from the Dean

Prof. Dato' Dr. Muhammad Shamsir Mohd Aris

Dean Faculty of Medicine and Health Sciences
Universiti Sains Islam Malaysia

Bismillahirrahmannirahim

Assalamualaikum and Salam Sejahtera.

With great pleasure, I welcome all the participants to the 5th USIM International Health E-Conference 2022 (IHeC 2022). Since 2020, the COVID-19 pandemic has affected us badly in many aspects of our lives, including social, economic, educational, and health care. The impact has been felt worldwide, causing significant morbidities and mortalities while also taking a severe toll on societies and economies.

Many lessons that we can learn from this pandemic. COVID-19 showed that a global pandemic could happen and inflict severe loss of life, even in the world's wealthiest countries. With the advancement of technologies, COVID-19 vaccines were being produced in a considerably shorter time. Vaccination is one of the most impactful and cost-effective public health interventions. Vaccines have helped to eradicate many infectious diseases, such as smallpox and polio. This pandemic also showed that COVID-19 can inflict long-term damage on physical and mental health, some of which may not yet be fully understood. People with long COVID syndrome from COVID-19 can suffer from persistent and debilitating symptoms like dizziness, forgetfulness, headaches, and fatigue. The most important lesson of this pandemic is our healthcare preparedness in responding, detecting, and managing this novel outbreak

Two years since the announcement of the COVID-19 pandemic, we are slowly rising to reshape our lives into the endemic era. This year IHEC's theme, "Lessons from the pandemic: Reshaping medicine and healthcare", we hope that this conference will be a platform for sharing state-of-the-art knowledge and updates on a wide variety of topics.

Academicians, researchers, and medical professionals from several disciplines can discuss novel findings and share their cutting-edge discoveries as well as lessons they have learnt from the pandemic. Future collaborations between universities, research institutes, and industry are expected to come from the intellectual dialogue both locally and globally. It is anticipated that emphasis will be placed in especially on the important lessons learnt from the pandemic, leading us in creating protocols and regulations, pandemic preparation, and maybe even imagining creative conceptions of future medicine and healthcare. At the same time, we at USIM, in particular, have a keen interest in incorporating our core value with the global discourse, which is the integration of Naqli (revealed knowledge) with the Aqli (scientific knowledge).

Finally, I would like to congratulate the organizing committee for their tremendous effort in organizing and continuing the virtual format initiated during the last IHeC in 2020 with the hope of minimizing the risk of COVID-19 transmission. I would also like to thank all our co-hosts and sponsors for their support and participation. I pray to Allah s.w.t that this conference will be a success. I also hope all the participants will enjoy the conference and benefit from the lectures by the renowned speakers.

Thank you and see you all in our next USIM conference.

LIST OF ORAL PRESENTATIONS

Abstract ID	Presenter	Title
OP30	Muhammad Firdaus Bin Rushdi	Parental Acceptance on COVID-19 Vaccination and its Associated Factors: A Systematic Review.
OP31	Sakinah Binti Mohd Razali	Unexplained Limbs Pain in a Young Adult: A Case Of Multifocal Tropical Pyomyositis, The Great Mimicker.
OP32	Sri Priyantini	Significant Relationship Between Stunting and Head Circumference Growth in the First 3 years of Life: A Prospective Study
OP33	Jalilah binti Jamaluddin	Evaluation of B-Cell Populations in Children with Recurrent Infections
OP34	Nazefah Abdul Hamid	A Systematic Review of Gene Expression in Cervical Cancer: an Integrated Bioinformatical Analysis
OP35	Mohd Hafiz Jaafar	Prevalence and Factors Associated With Digital Health Literacy Level Among Population in Pondo, Negeri Sembilan
OP36	Aminatul Saadiah binti Abdul Jamil	Health Rationing Redux: How the COVID-19 Pandemic "Shrink-flate" Healthcare Resources in Malaysia and Nigeria
OP37	Nur Zaireena Binti Zainal	Transient Bilateral Mild Ventriculomegaly of the Fetus Post Maternal COVID-19 Infection: Two Case Reviews
OP38	Nur Fahada binti Mohammad Lazim	Pandemic Aftermath: Pedophile Tracker Application and How Reliable in Protecting Our Children
OP39	Qatrun Nada Binti Derani	Differential Expression of MicroRNA and its Target Genes in Trigona Honey Treated Breast Cancer Cell Line
OP40	Ulfa Eliah	Skin Graft as an Acceptable Modality for the Reconstruction of Post-Burn Contractures During Pandemic : A Case Report
OP41	Clyde R. Lumahang	The Use of The Anthocyanin Extract From Red Cabbage Brassica Oleracea L. Var Capitata f. Rubra as Meat Freshness Indicator for Chicken Gallus Gallus Domesticus and Pig Sus Scrofa Domesticus Meat
OP42	Zul Azlin Razali	Hujan Pagi: A Monumental Malay Novel Bridging Literature and Psychiatry
OP43	Rini Riyanti	Correlation Between NLR (Neutrophil Lymphocyte Ratio) and CRP (C-Reactive Protein) in COVID-19 Patients in Jember Regency
OP44	Juliani Ibrahim	Vaccination Program and Stunting Incidence at Tampa Padang Health Center: Effective Coverage Study

Correlation Between NLR (Neutrophil Lymphocyte Ratio) and CRP (C-Reactive Protein) in COVID-19 Patients in Jember Regency

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Introduction: Coronavirus disease (COVID-19) is a disease caused by novel coronavirus (2019-nCoV). The neutrophil-to-lymphocyte ratio (NLR) has a prognostic role and the C-reactive protein (CRP) level can predict severity in patients diagnosed with COVID-19.

Objective(s): This study aimed to determine the association of NLR with CRP values in COVID-19 patients in Jember Regency.

Methodology: This study used an observational analysis approach using secondary data from COVID-19 patient's medical records. The data were collected from dr. Soebandi Regional Hospital of Jember and Jember Klinik Hospital from June until August 2021. Pearson's correlation analysis was performed to show the correlation between variables.

Results: Thirty patients confirmed with COVID-19 were admitted as the sample, consisting mostly of males (18) followed by female (12). Twenty-one of them were aged 40 and beyond, and the remainder were below 39 years. From the type of hospitalization 23 patients in the non-ICU COVID-19 room and 7 patients in the ICU COVID-19 room. There is a very strong positive relationship between NLR and CRP values ($P = 0.00$; $r = 0.889$).

Conclusion(s): NLR can replace CRP as a marker to predict severity in patients diagnosed with COVID-19