

CERTIFICATE

Proudly Presented to :

Ardiana Ekawanti

FOR THE VALUABLE CONTRIBUTION AS A PRESENTER ON
MALIKUSSALEH INTERNATIONAL CONFERENCE ON HEALTH AND DISASTER
MEDICINE (MICOHEDMED)

JULY, 20th-21st 2022

Chair of MICOHEDMED 2022



Dr.rer.nat. dr. Maulana Ikhsan, M.Sc

Dean of the Faculty of Medicine at
Malikussaleh University



dr. Muhammad Sayuti, Sp.B, (K) BD



universitas
MALIKUSSALEH



MICOHEDMED

Malikussaleh International
Conference on Health and
Disaster Medicine **2022**

Malikussaleh International Conference on Health and Disaster Medicine (MICOHEDMED) 2022

BOOK OF ABSTRACTS

*Multidisciplinary Approaches for
Health and Disaster Medicine Working
Together, Growing Stronger*

Virtual Conference
July 20th–21st, 2022

**Malikussaleh International Conference on Health and Disaster
Medicine (MICOHEDMED) - 2022**

Malikussaleh University
Lhokseumawe, Indonesia

July 20th-21st, 2022



Welcome Speech: Chairman of MICOHEDMED 2022

Assalamu'alaikum Warahmatullahi Wabarakatuh.

The honorable guests and participants,

Let's give our praise and gratitude to the Lord for granting us the opportunity to participate in this seminar. Even during this pandemic, we are still able to meet virtually.

We welcome you to Lhokseumawe City and welcome to the Faculty of Medicine, Malikussaleh University.

On behalf of the organizing committee, we would like to extend a warm welcome to all participants and attendees at the Malikussaleh International Conference on Health and Disaster Medicine (MICOHEDMED) 2022 with the theme "Multidisciplinary Approaches for Health and Disaster Medicine: Working Together, Growing Together".

As of June 20, 2022, the National Disaster Management Agency (BNPB) on the bnpb.go.id website has recorded 1,859 natural disasters. Disaster management requires a lot of human resources (HR) from various professional sectors, including doctors. This is related to the cause of a large number of fatalities and damage/losses in several aspects including the lack of preparedness of the community and the parties responsible for disaster management.

With this MICOHEDMED seminar, we hope this can be an active effort of universities to support Indonesia in disaster management. Besides being able to increase awareness about disaster preparation, all participants in this activity are expected to increase their confidence in dealing with emergencies that may occur anytime and anywhere.

Finally, we would like to thank the hard work of all the organizing committee in this seminar, to the Faculty of Medicine, Malikussaleh University. Welcome to the MICOHEDMED international seminar and its series of supporting activities. Hopefully what we are doing today will be useful for Indonesia's progress in disaster management in the health sector.

Best regards,

Lhokseumawe, 15 July 2022

Dr.rer.nat.dr.Maulana Ikhsan, M.Sc
Chair of MICOHEDMED 2022



Welcome Speech: Dean of Medical Faculty Malikussaleh University

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Lhokseumawe, 15 July 2022

dr.Muhammad Sayuti, Sp.B, K-BD
Dean of Medical Faculty Malikussaleh University

SYMPOSIUM ACTIVITY SCHEDULE

Day 1, Wednesday 20th July 2022

Time	Activity	Description
09.00-09.45	Participant registration	Organizing Committee
09.45-10.00	Opening	Committee report by Dr.rer.nat.dr.Maulana Ikhsan, M.Sc
		Welcome speech from the Dean of medical faculty Malikussaleh University, dr. Muhammad Sayuti, Sp.B, K-BD
		Welcome speech from the rector of Malikussaleh University, Prof. Dr. Ir. H.Herman Fithra, ST., MT., IPM., ASEAN.Eng.
10.00-10.45	Keynote speaker 1	dr. Adi Rizka, SpB, K-Onk – Malikussaleh University <i>“Integrating Disaster Management Into Medical Faculty Curriculum”</i>
10.45-11.00	Q&A	Moderator
11.00-11.45	Keynote speaker 2	Dr. Hadiki Habib, Sp.PD, FINASIM – MER-C <i>“Triage, organization and communication during disaster response phase”</i>
11.45-13.00	Q&A	Moderator
	Lunch break and Poster session A	
13.00-13.45	Keynote speaker 3	dr. Yogi Prabowo, Sp.OT(K), Sp.EM – University of Indonesia/MER-C <i>“Hospital Disaster Management as a Solution in Disaster Management in Indonesia”</i>
13.45-14.45	Q&A	
	Poster session B	
14.45-16.00	Keynote speaker 4	Prof. Dr. Sefa Bulut -University Ibn Haldun, Turkey <i>“Psychological Disaster”</i>

16.00-16.30	Q&A	Moderator
	Poster session C	

Day 2. Thursday 21st July 2022

Time	Activity	Description
09.00-09.15	Participant registration	Organizing Committee
09.15-10.30	Keynote speaker 5	Assoc.Prof. Teguh Haryo Sasongko, P.hD – International Medical University, Malaysia <i>“Genome: A Book of Transformative Medicine”</i>
10.30-10.45	Q&A	Moderator
10.45-11.00	Poster session D	
11.00-11.45	Keynote Speaker 6	Prof. Chan-Yu Chang – National Yunlin University of Science and Technology, Taiwan <i>“Application of Artificial Intelligence in Epidemic Prevention and Medical Image Processing”</i>
11.45-12.00	Q&A	Moderator
12.00-13.00	Lunch break	
13.00-14.00	Poster session E	
14.00-14.45	Keynote speaker 7	Prof. Dr. Pietro Crescenzo – University of Siena, Italy <i>“Burnout risk in rescueres”</i>
14.45-15.00	Q&A	
15.00-15.45	Keynote speaker 8	Dr. Lennart Kaplan – University of Goettingen, Germany <i>“Working together to create evidence-based health care. International experiences from the WHO’s Safe Childbirth Checklist”</i>
15.45-16.00	Q&A	
16.00-16.15	Closing ceremony	

Keynote Abstract

Strengthen Hospital Disaster Management For Prevent Hospital From Collapsing When Covid-19 Pandemic (Indonesia Experience)		Yogi Prabowo
Disasters And Their Psychological Consequences		Sefa Bulut
Genome: A Transformative Book Of Medicine		Teguh Haryo Sasongko,
Mental Distress Among Rescuers: Post Traumatic Stress Disorders, Anxiety, Depression And Burnout. What We Learned From Italian Healthcare Volunteers Experiences, Before Ad After Covid-19?		Pietro Crescenzo
Poster Session A (Room 1, Wednesday, 11.45-13.00 WIB)		
A01	Histopathology Of Colorectal Cancer In Public Hospital Cut Meutia, North Aceh Regency 2017-2020	Muhammad Sayuti
A02	Implementation Of The Blood Donation Preservation Strategy At Indonesian Red Cross (Irc) Blood Donor Unit (Bdu) Banda Aceh During The Covid-19 Pandemic	Teuku Ilhami Surya Akbar
A03	Autopsy Findings: Rib Fracture, Pulmonary Laceration, And Hemothorax In Blunt Chest Trauma Due To Traffic Accidents (Non-Natural Disasters)	Muhammad Kholil Ikhsan
A04	Monkeypox	Raja Merlinda Veronica
A05	Mitigation And Community Preparedness In Anticipating Tsunami Disasters In Muara Batu District, North Aceh	Wheny Utariningsih
A06	Psycoeducation Through Video Media As Preventif Intervention To Improve Self Management Knowledge In Final Level Students Of Malikussaleh University	Dwi Iramadhani
A07	The Relationship Between Mosquito Nest's Eradication With Mosquito Larva Density At Smps Dayah Darul Yaqin, Lhokseumawe-2022	Rizka Sofia
A08	Management Options For Primary Umbilical Endometriosis : A Case Report	Hilwah Nora
A09	Effect Of Tartrazine On Blood Urea Nitrogen, Creatinine Levels, And Renal Tubular Necrosis In Adult Male Wistar Rats (Rattus Norvegicus): An Experimental Study	Mulyati Sri Rahayu
A10	Low Dose Bupivacaine Spinal Anesthesia For Emergency Cesarean Sectio In A Patient With Uncorrected Tetralogy Of Fallot, Presenting With Placenta Previa	Anna Millizia
A11	The Effect Of Isoflavones Derivative Compound 1,2 Epoxy-3 (3,4-Dimethoxyphenyl)-4h-1-Benzopyran-4-On) Propane (Epi) On The Expression Of Mutant P53 And Activated Caspases 3 In Sprague Dawley Rats Liver Induced By Dmba	Vera Novalia
A12	Parental Self Acceptance On Children Who Are Victims Of Sexual Violence	Rahmia Dewi
A13	Family Perception Relationship Of Active Alert Village To Satisfaction And Family Clean And Healthy Life Behavior In Kaliang Village, Pinrang Regency	Yasir Haskas
A14	Peripheral Blood Abnormality In Sezary Syndrome With Bacteremia	Wizar Putri Mellaratna
A15	Relationship Between Emotional Intelligence And Loneliness In Santriwati Dayah Salafi	Cut Ita Zahara

Poster Session A (Room 2, Wednesday, 11.45-13.00 Wib)		
A16	The Relationship Of Supine, High Fowler 90° , And Knee Chest Positions With Hearing Threshold Using E-Audiologia Examination On Students Of Faculty Of Medicine Malikussaleh University Batch 2020	Indra Zachreini
A17	Relationship Between Knowledge Levels About The Impact Of Smoking On Family Health And Smoking Behavior In The Community Of Dusun E Gampong Uteunkot	Cut Khairunnisa
A18	The Relationship Between Chemotherapy And Incidence Of Anemia In Breast Cancer Patients At Cut Meutia General Hospital, North Aceh	Adi Rizka
A19	Autopsy Finding Of Hydrogen Cyanide On The Human Body : A Review	Vernando Parlindungan
A20	Anti-Aging Activity Of Andaliman (Zanthoxylum Acanthopodium Dc) Fruit Ethanol Extract On P16ink4a Hippocampus In Aging Model Rats	Dwi Rita Anggraini
A21	Anesthetic Management In Patient With Laparoscopic Cholesistectomy	Zaki Fikran
A22	Efficacy Of Bendamustine And Rituximab As First Salvage Treatment In Chronic Lymphocytic Leukemia In Aceh	Murdia M Diah
A23	The Association Between Coronavac Vaccine Doses And The Severity Of Acute Respiratory Distress Syndrome (Ards) At The Secondary Referral Hospital In West Nusa Tenggara, Indonesia	Melia Fardian Suriansyah
A24	Analysis Of Nutrient Intake That Affected Thyroid Function Of Pregnant Women In Mercury Contaminated Coastal Area	Ardiana Ekawanti
A25	Effect Of Using Hallux Valgus Splint On Hallux Valgus Pain	Muh Syaiful Akbar
A26	Integration Of The Role Of Medical Students And Health Workers In Combating Pulmonary Tuberculosis In North Aceh District	Cut Khairunnisa
A27	Diagnosis And Management Of Antithyroid Drug Induced Agranulocytosis	Maulina Debbyousha
A28	Readiness Of Flood Disaster Preparedness In High Risk Area Communities In North Aceh District	Yuziani
A29	Carotid Intima-Media Thickness In The First Descendant Of Coronary Artery Disease Patients With Apolipoprotein-E4 Genotype	Elvirayunita
A30	Students Locus Of Control During Covid-19 Pandemic Disaster: A Confirmatory Analysis Scale	Hafnidar
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B01	Oral Squamous Cell Carcinoma: A Case Report	Adi Rizka
B02	The Difference In Mpv/Plt Ratio And Ferritin Levels In Chronic Hepatitis B Patients With Or Without Cirrhosis	Afrianda Wira Sasmita
B03	Effectiveness Of Black Garlic Extract Against Various Organs: A Review	Nora Maulina
Poster Session C (Room 1, Wednesday, 16.15-16.30 WIB)		
C01	Subjective Well-Being Of Temporary Employees: A Descriptive Studies At Universitas Malikussaleh, Aceh	Safuwani Amin
C02	Autopsy Findings Of Child Physical Abuse: A Case Report	William Napitulu

C03	Mean Platelet Volume (Mpv) And Pre-Operating Platelet Distribution Width (Pdw) As Sepsis Indicators In Laparotomy Patients In General Hospital Dr. Zainoel Abidin Banda Aceh	Darul Ilham
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D02	Stress Coping Behavior Of Workes Layoffs During The Covid-19 Living In Babalan District, Langkat Regency	Yara Andita Anastasya
D03	The Differences Of Self-Control In Adolescent Male And Female In Preventing Pre-Marriage Sexual Behavior	Rini Julistia
Poster Session E (Room 1, Thursday, 13.00-14.00 WIB)		
E01	The Role Of The Diatom Test: Homicide Or Suicide?	Satria Perwira
E02	Relationship Of Self-Acceptance With Quality Of Life In Chronic Kidney Failure Patients	Zurratul Muna
E03	Alienation In Adolescents: The Role Of Self Determination	Widi Astuti
E04	Characteristics And Management Of Patients With Perianal Fistula At Rsu Cut Meutia, North Aceh In 2018 – 2021	Mohammad Arief Kresna
E05	Hiv In Pregnancy	Iskandar
E06	The Relationship Between Clean And Healthy Living Behavior And The Incidence Of Diarrhea In Toddlers In The Work Area Of The Blang Cut Health Center In Lhokseumawe City-2022	Mardiati
E07	Case Report: One Left Sinonasal Mass Suspect Benign	Dilla Nur Fadilla
E08	The Effect Of Reproductive Health Education On Adolescent's Attitude About Sexual Premarriage At Smk Negeri 5 Gowa	Ratna
E09	The Role Of Forensic Doctors In Handling Living Victims Of Tourism Accidents: A Case Report	Shella Morina
E10	Keratoacanthoma Cetrifugum Marginatum: A Case Report With Literature Review	Mohammad Mimbar Topik
E11	Transverse Vaginal Septum: A Case Report	Hilwah Nora
E12	Bacterial Vaginosis	Wizar Putri Mellaratna
Poster Session E (Room 2, Thursday, 13.00-14.00 WIB)		
E13	School Strategy In Preventing Bullying At SMPN Negeri Arun Lhokseumawe	Nursan Junita
E14	Body Shaming Threat And Forgiveness Among Adolescence In Indonesia And Nigeria	Abdulmojeed Quadiri
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Keynote Abstract

Strengthen Hospital Disaster Management for prevent Hospital from Collapsing when Covid-19 Pandemic (Indonesia Experience)



Yogi Prabowo

**Head of Emergency Departement Cipto Mangunkusumo National Central Hospital, Indonesia*

Departement of Orthopaedic & Traumatology , Faculty of Medicine University of Indonesia

Founder of Medical Emergency Rescue Committee (MER-C)

Covid-19 pandemic impact to Indonesia is multisectoral. The health sector is one of the most vulnerable to the impact of pandemic. Many hospitals close when some medical worker get covid. It will threaten the medical service system in the surrounding area. When the peak of covid cases, the government instructed to increase the capacity of covid beds . Some hospital are set up only to serve covid . Meanwhile, non-covid patients who experience an emergency situation will be at risk not being able to seek any treatment.

In our national central hospital, we arrange to serve whether covid patients and no-covid patients. Because Cipto Mangunkusumo hospital is a national referral hospital in Indonesia that must serve both covid patients and non-covid patients. Therefore it is important to strengthen the hospital disaster management to prevent hospital from collapsing. The strategy consist of making zonation area, pre hospital triage , strengthen the laboratorium, activating volunteerism, collecting donation, provide multidisciplinary approach to treat covid, shifting the concept of excellent patient safety became patient risk mitigation in disaster and applying telemedicine. Fortunately the hospital was able to survive in the

face of covid-19 pandemic in term of te number of patients served, hospital finances and the safety of medical personnel.

Disasters and Their Psychological Consequences



Sefa Bulut

University Ibn Haldun, Turkey

Disasters are natural phenomena that occur unexpectedly. Throughout the ages, human communities have experienced numerous disasters and the expectation is that there will be as many more in the coming years. On a daily basis, there are reports of earthquakes, hurricanes, and flood disaster news on TVs, radios, and other news media. Therefore, it is important to understand the effects of natural disasters on individuals as well as on community-based institutions. For these reasons, in particular, the purpose of this speech is to understand the mental health consequences of natural disasters as well as other type of disasters. It is important that peoples and countries lives on disaster prone areas such as earthquake and hurricane zone can learn lessons from previous disasters and be prepared for the possible consequences of these events. Disasters will effect individuals, communities, governments and institutions that all of them needs special attention and preparedness. Natural disasters and technological disasters happens very often in every part of the world that needs attention. Psychologist and mental health works has responsibilities to deal with effected populations.

Genome: A Transformative Book of Medicine



Teguh Haryo Sasongko

International Medical University, Malaysia

One of the most well-known, prophetic, as well as inspiring statements about genome and its molecular structure, DNA, has been that coming from the former Director of the National Human Genome Research Institute (NHGRI), who is also the pioneer of the Human Genome Project: Dr Francis Sellers Collins. He stated that DNA is a transformative book of medicine, as well as a historical narrative of human species through times and a blueprint manual of our cellular buildings. As a transformative book of medicine, recent advances in genomic technologies and gene editing, has propelled genomics to the forefront of precision medicine as part of transformation into healthcare 4.0. This keynote will highlight contribution of genomic medicine in transforming healthcare, recent developments in commercialization of genomic services, issues and readiness of healthcare ecosystem, and suggestions on how the entire healthcare system should adapt in order to take the most advantage of this transformative technology.

Mental distress among rescuers: Post Traumatic Stress Disorders, Anxiety, Depression and Burnout. What we learned from Italian healthcare volunteers' experiences, before and after COVID-19?



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Italy was the first Western country to show significant signs of a widespread epidemic and to activate severe restrictive measures (national lockdown), so that the health system does not collapse.

Italy before the COVID-19 emergency recorded, according to the National Institute of Statistics, about 430,000 volunteers distributed over 11,590 non-profit associations, most of them operating in Italy in the health sector and in the emergency sector come rescuers. The rescuers, even if they are volunteers, are exposed to the stress given by the emergency situation, with consequences on psychophysical health. Taking care of others is a commitment with a high emotional impact that has always characterized the Helping professions. Although the healthcare staff is prepared to face emergencies, a prolonged effect if managed in a dysfunctional way, can lead in extreme cases to PTSD and to the development of Burnout Syndrome and at the same time to an increase of anxiety levels and of depression. Some Italian studies have shown that even volunteers in the health sector are exposed to this risk, in a pre-pandemic study in a sample of 241 volunteers of the Italian Red Cross employed in the local health service (drivers, rescuers, medical and nursing staff) emotional exhaustion 8.0%, 35.9% depersonalization and 23.5% perceived lack of fulfillment and in particular the volunteers in emergency services reported higher levels of emotional exhaustion and depersonalization and a lower level of personal fulfillment than volunteers engaged in non-health social and administrative tasks, clarifying how the health service has more complex emotional aspects to manage. After the first wave, based on this first research, in a sample 823 volunteers enrolled in the Red Cross auxiliary corps were surveyed between 28 June 2021 and 28 August 2021 (299 men and 524 women). After deployment in anti-COVID-19 operations, participants completed the Patient Health Questionnaire, Generalized Anxiety Disorder Questionnaire, Maslach Burnout Inventory, and Big Five Inventory through an online platform. A moderately severe risk of depression was found in 1.70% of the sample. A severe risk for anxiety disorders was found in 1.82%. A high risk for emotional exhaustion was found in 3.40%, depersonalization in 12.88%, and low personal accomplishment in 7.53%.

The key to providing a resilient response is emotional training of staff, provision of clear guidelines, and team building and leader support.

Analysis Of Nutrient Intake that Affected Thyroid Function Of Pregnant Women in Mercury Contaminated Coastal Area

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Nutritional status is very important in conserve normal thyroid function. Nutritional status require an adequate intake. Several nutrients have important role in thyroid hormone production and metabolism, those are energy intake, protein, vitamin A, vitamin D, iron, zinc, copper and iodine itself. Pregnant women is a population with high risk of nutritional deficiencies. Artisanal small scale gold mining is a location with mercury contaminant which influence nutrient intake and its metabolism. The objective of this research was to analyze the adequacy of nutrient required in thyroid function

This was a community based research. 100s pregnant women in coastal area which contaminated by mercury were enrolled. All participants fulfilled inclusion criteria those were lived in mercury polluted area for more than 6 month and in at least second semester period of pregnancy. Nutrient intake assessed using recall 24 hours; nutritional status by measured anthropometry. Comparison of nutrient intake measured using 24 hour food recall between group and recommended daily allowance was tested by using one way ANOVA

Nutritional status of 14.2% pregnant women experienced chronic energy malnutrition. Mean of energy intake was 1448.57 Ccal, protein intake was 56 gram, vitamin A intake was 1046.19 µg, vitamin D was 1.89 µg, Iron intake was 8.39 mg, Zinc was 4.51 mg, Copper was 1.01 mg

and iodine was 66.89 μg . All nutritional intake did not meet RDA value except vitamin A. Iodine, the direct nutrition which was affected thyroid hormone production has an intake Of 30.67 % of RDA. Iodine intake among group were significantly lower than RDA value (p 0.000)

Nutritional intake of nutrients involved in thyroid function did not meet recommended daily allowance for pregnant women lived in coastal area contaminated by mercury.