



PROCEEDING OF THE INTERNATIONAL WEBINAR COVID-19 PANDEMIC:



**Impacts, Strategies, and Challenges
on The Urban Health**

WEBINAR SERIES

20- 21 and 27- 28 August 2021

PAPER PRESENTATION

“Impact of Covid-19 pandemic on health, medical education,
healthcare, physical activity, and others”

3 - 4 September 2021

**School of Medicine and Health Sciences
Atma Jaya Catholic University of Indonesia 2021**

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EDITOR

Dr. dr. Veronika Maria Sidharta, M.Biomed.
apt. Sherly Tandi Arrang, M.Farm-Klin



**PENERBIT UNIVERSITAS KATOLIK INDONESIA
ATMA JAYA**

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TABLE OF CONTENT

Foreword	viii
Event Schedule	1
Abstract – Plenary Sessions:	
Secondary Infections during SARS-CoV-2 Infection: Experiences from the Netherlands.....	8
The Role of Host Genetics on Covid-19 Infection and Severity	9
New Strain of SARS CoV 2: Is There Any Implication on Diagnostic Tools and Vaccine Development?.....	10
COVID and Dementia.....	11
Long COVID Syndrome in Older Adults	13
Coagulopathy in Senior Adult with COVID-19	17
Global Clinician Survey Findings on Behalf of the International Society in Addiction Medicine (ISAM) around COVID-19 and Substance Misuse Services	19
Substance Abuse during COVID-19 Pandemic: Problem and Solution, and Mental Health during Pandemic	21
Behavioural Addiction during Social Distancing: How To Cope.....	22
Travel Medicine in the COVID Era.....	24
Building Evidence in Pharmacy Practice Research	26
Drug Discovery and Development before and during COVID-19 Pandemic.....	27
Mental Health Care for People Living with HIV during the Pandemic Era	29
Abstract – Oral Presentation:	
1A-1 – A Systematic Review: Blood Clot Risk Factors in Covid-19 Vaccination and Hormonal Contraception	32
1A-2 – Association between Frailty and COVID-19 Severity in Hospitalized Elderly Patients.....	34
1A-3 – Overview of Anosmia Symptoms in Covid-19 Patients	35



INTERNATIONAL WEBINAR
"COVID-19 PANDEMIC: IMPACTS, STRATEGIES, AND CHALLENGES
ON THE URBAN HEALTH"

20-21 August 2021, 27-28 August 2021, 3-4 September 2021

1A-4 – Adverse Effects of mRNA-1273 Vaccine on the Vaccination Day: A Preliminary Study in Healthcare Workers of Atma Jaya Hospital	37
1A-5 – Impaired Liver Function in COVID-19 Patients: Literature Review	39
1A-6 – Association between Laboratory Parameters and Disease Severity in COVID-19	41
1A-7 – Antibacterial Activity Test of Marine Sponge Extracts (Aaptos suberitoides)	42
1A-8 – Study of Online Muscle Health Assessment during Covid-19 Pandemic on Indonesian Elderly	43
1A-9 – Identification of Factors Affecting the Workload of Primary Healthcare (Puskesmas) Officers during the Covid19 Outbreak	44
1B-1 – Autoimmune Disease and COVID-19: Are They Affecting Each Other? – A Case Series	45
1B-2 – Challenges in Managing COVID-19 Severe Illness in a Rural Setting: A Serial Case Report	47
1B-3 – Subacute Thyroiditis as Manifestation of Covid-19 Infection: A Case Report	49
1B-4 – Clinical and Histopathological Characterization of Skin Lesions in COVID-19	51
1B-5 – NSAID for COVID-19 Vaccine Side Effects, Does It Do More Good or Harm?: A Literature Review	49
1B-6 – Clinical Characteristic of Covid-19 in Elderly at Ulin Hospital, Banjarmasin	61
1B-7 – Frailty and COVID-19 Outcomes: A Literature Review	57
1B-8 – Analysis of Measuring the Level of Service Quality on BPJS Health Patient Satisfaction during the COVID 19 Pandemic with the Service Quality Method (Servqual): Case Study at Ar-Rahman Medika Clinic Karawang – West Java)	59
1B-9 – Preliminary Study: Physical Activity and Nutritional Status of the Elderly during the Covid-19 Pandemic	61



INTERNATIONAL WEBINAR
"COVID-19 PANDEMIC: IMPACTS, STRATEGIES, AND CHALLENGES
ON THE URBAN HEALTH"

20-21 August 2021, 27-28 August 2021, 3-4 September 2021

2A-1 – Lactate Dehydrogenase as a Predictor for Severe COVID-19: A Cross-Sectional Study	63
2A-2 – Factors that Influenced the Covid-19 Titer Antibody Post-Vaccination	65
2A-3 – Observation on Inconclusive Results of SARS-CoV-2 by RT-qPCR	67
2A-4 – Classification of COVID-19 Dermatological Manifestations	69
2A-5 – First Year Medical Student Challenges of Basic Biomedical Block Online Study in Pandemic Covid-19 Era at Faculty of Medicine Cenderawasih University Papua	71
2A-6 – Undergraduate Medical Students' Online Learning Experiences during the COVID-19 Pandemic: Continue or Not?	72
2A-7 – The Relationship between the Online Learning System and New Students' Anxiety Levels during the Covid-19 Pandemic	74
2B-1 – The Obstacles in Routine Online Yoga Exercise Due to Social Restriction in Covid-19 Pandemic Among Middle Age and Elderly Population	76
2B-2 – Developing "Ibu Sehati" Application for Anemia Preventing Program: Information, Education, Communication Media during Covid-19	78
2B-3 – The Aspects of Pathogen, Population, and the Behavior of the Population, in the Relationship between Herd Immunity and COVID-19 (A Systematic Review)	80
2B-4 – Sedentary Life Style and Risk of Metabolic Syndrome of Public Health Center Nurses during the Covid-19 Pandemic	81
2B-5 – The Knowledge of Adolescents about Preventing Covid-19 Infection in West Java	83
2B-6 – Translation and Adaptation Guide of WHO 'iSupport for Dementia' Indonesian Language version	85
2B-7 – Overview and Education of the Use of Red Ginger as Herbs to Increase Immunity during Covid-19 Pandemic	87
Organizing Committee	89



INTERNATIONAL WEBINAR
"COVID-19 PANDEMIC: IMPACTS, STRATEGIES, AND CHALLENGES
ON THE URBAN HEALTH"

20-21 August 2021, 27-28 August 2021, 3-4 September 2021

2B-4

Sedentary Life Style and Risk of Metabolic Syndrome of Public Health Center Nurses during the Covid-19 Pandemic

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Background: The Covid-19 pandemic had an impact on various aspects including increased anxiety and less physical activity due to the overload task for health workers including inpatient Public Health Centre (PHC). Both of these increase the risk of metabolic syndrome.

Objective: To describe the sedentary life style and the risk of metabolic syndrome in nurses who work in inpatient PHC in Sleman Regency, Yogyakarta.

Methods: This research was descriptive quantitative, conducted in August 2020. The data were collection using questionnaire form such as subject characteristics, sedentary life style and metabolic syndrome using test of random blood glucose, blood pressure, measuring body mass index (BMI) and abdominal circumference. The sedentary life style were categorized by sedentary when physical activity less than 5 times a week and less than 150 minutes a week while Pre DM were categorized by normal: 80-144mg/dL, pre DM: 145-199mg/dL and DM: >200 mg/dL. Blood tension were categorized by normotension: <130/<80 mmHg, prehypertension: 130-139/80-89 mmHg, hypertension: ≥140/80mmHg. Obese central were categorized by obese (female ≥80 cm, male ≥90 cm). and BMI categorized by wasting: <18.5, normal 18.5-24.9, overweight 25-30, obese >30. Metabolic syndrome were if three or more category was high. The subject were all nurses at Inpatient Public Health Center in Sleman Yogyakarta, willingness to involve this study, so the subject were as many as 99 persons. Data was



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ON THE URBAN HEALTH"**

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presented by descriptive. The research was approved by MHREC Polkesyo, number e-KEPK/POLKESYO/0516/VI/2020

Results: The results showed that majority of subject were female (76.8%) and aged <30 years old (47.6%). Most of them have not physical activity regularly or sedentary life style habit (71.7%). Based on body mass index (BMI) measurement, as many as 36.4% was obese, while 47.5% suffer form central obesity. Random blood test showed that 25.3% were the pre-DM and DM and more than a half were pre-hypertension and hypertension (52.5%). The three indicators showed that 70.7% participants were suffer from syndrome metabolic.

Conclusion: Most of the respondents have sedentary life style and suffer from syndrome metabolic.

Keywords: Sedentary life style, metabolic syndrome, nurse