

# Althea Medical Journal

Volume 10, Number 4
December, 2023
e-ISSN 2337-4330

### **Original Articles**

Cellular Inflammatory Markers and Castelli Risk Indices in Women with Gestational Diabetes Mellitus Sheu Kadiri Rahamon, David Olaniyi Oladeji, Surajudeen Adebayo Yaqub, Kehinde Sola Akinlade

Characteristics and Clinical Outcomes of COVID-19 Patients with Hyperglycemia: Retrospective Cohort Study from a COVID-19 Referral Hospital, Bandung, Indonesia

Hikmat Permana, Annisa Ikhsanawati, Evan Susandi, Nanny Natalia Mulyani Soetedjo, Bachti Alisiahbana

Antioxidant Gel from Brown Algae (Ascophyllum nodosum) and Binahong Leaves for Diabetic Wound Healing

Salma Rahmadianti, Irine Sofianty, Lisa Aslamiah, Febrian Khoirul Insan, Maria Engzelita Sihombing, Vidia Afina Nuraini, Hernawati Hernawati

Determinant of Hypertension among Adults in West Java, Indonesia: Analysis of National Basic Health Research Data 2018

Jannatin Karlen, Afiat Berbudi, Kurnia Wahyudi

Association of Nuclear Vitamin D Receptor (VDR) Immunoexpression with Breslow's Thickness in Acral Melanoma

Fitria Sholihah, Hermin Aminah Usman, Birgitta Maria Dewayani

Expression of High Mobility Group Box-1 (HMGB1) and Nuclear Factor Kappa-B (NF- $\square$ B) in Fetal Membranes of Premature Rupture of Membranes

Ketut Edy Sudiarta, Joan Khan, Monicha Zalzabilla Aldinasyah, Efyluk Garianto, Retno Budiarti

Antibacterial Activity of Terminalia mantaly Stem Ethanol Extract as Hand Sanitizer Gel Evi Sovia, Hernandi Sujono, Rinaldi Farizi, Sutrisno Sutrisno, Adilfi Risma Nurhadianti, Yenny Febriani Yun

Safety and Preliminary Immunogenicity of Recombinant Hepatitis B (Bio Farma) Vaccine in Adults and Children: A Phase 1 Clinical Trial

Eddy Fadlyana, Rodman Tarigan, Kusnandi Rusmil, Rini Mulia Sari, Cissy B Kartasmita, Behesti Zahra Mardiah, Muhammad Gilang Dwi Putra

Maternal Knowledge, Attitudes, and Healthy Feeding Behavior on the Nutritional Status of Elementary School Students

Sherin Fellicia Liemen, Felicia Kurniawan, Nanny Djaya

Patient Satisfaction with National Health Insurance and Public Health Center Accreditation: Lessons Learnt from Majalengka Regency, Indonesia

Yayat Ruhiyat, Deni Kurniadi Sunjaya, Sharon Gondodiputro, Kuswandewi Mutyara, Budi Sujatmiko, Nita Arisanti



## Althea Medical Journal

#### **Editor in Chief**

Edhyana K. Sahiratmadja

#### **Managing Editor**

Mas Rizky A.A Syamsunarno

#### **External Editors**

Gerald Pals
Kamisah Yusof
Alexander Kwarteng
Kittiphong Paiboonsukwong
R. Tedjo Sasmono
Jarir At Thobari
Soegianto Ali
Trevino Aristarkus Pakasi
Andani Eka Putra
Pudji Lestari
Herry Garna

#### **Internal Editors**

Yunia Sribudiani Ronny Lesmana Afiat Berbudi Nur Atik Sri Endah Rahayuningsih Irma Ruslina Defi Reni Ghrahani Mohammad Ghozali Astrid Feinisa Khairani Nur Melani Sari Eko Fuji Ariyanto

#### **Copyeditors**

Hanna Goenawan Julia Ramadhanti Poppy Siti Chaerani Djen Amar

#### **Electronic Production Engineer**

Devi Fabiola Syahfitri

#### Site Administrator & Layout Editor

Ati Sulastri

#### **Offline Secretariat**

Elza Purwita

#### **Editorial Address**

Jl. Prof. Dr. Eijkman 38 Bandung, Indonesia 40161 Mobile: 082216237668/081320178724 Phone (+62) 022-2032170 ext. 1401 Fax: (+62) 022-2037823 E-mail: chiefeditor.amj@gmail.com Website: http://journal.fk.unpad.ac.id/index.php/amj



# **Althea** Medical Journal

Volume 10, Number 4

December, 2023

e-ISSN 23	37-4330
Original articles	page
Cellular Inflammatory Markers and Castelli Risk Indices in Women with Gestational Diabetes Mellitus Sheu Kadiri Rahamon, David Olaniyi Oladeji, Surajudeen Adebayo Yaqub, Kehinde Sola Akinlade	189-196
Characteristics and Clinical Outcome of Covid-19 Patients with Hyperglycemia:	197-204
Retrospective Cohort Study from Covid-19 Referral Hospital, Bandung, Indonesia Hikmat Permana, Annisa Ikhsanawati, Evan Susandi, Nanny Natalia Mulyani Soetedjo, Bachti Alisjahbana	197-204
Antioxidant Gel from Brown Algae ( <i>Ascophyllum nodosum</i> ) and Binahong Leaves for Diabetic Wound Healing Salma Rahmadianti, Irine Sofianty, Lisa Aslamiah, Febrian Khoirul Insan, Maria Engzelita Sihombing, Vidia Afina Nuraini, Hernawati Hernawati	205-213
Determinant of Hypertension among Adults in West Java, Indonesia: Analysis of National Basic Health Research Data 2018 Jannatin Karlen, Afiat Berbudi, Kurnia Wahyudi	214-220
Association of Nuclear Vitamin D Receptor (VDR) Immunoexpression with Breslow's Thickness in Acral Melanoma Fitria Sholihah, Hermin Aminah Usman, Birgitta Maria Dewayani	221-226
Expression of High Mobility Group Box-1 (HMGB1) and Nuclear Factor Kappa-B (NF-κB) in Fetal Membranes of Premature Rupture of Membranes Ketut Edy Sudiarta, Joan Khan, Monicha Zalzabilla Aldinasyah, Efyluk Garianto, Retno Budiarti	227-233
Antibacterial Activity of Terminalia mantaly Stem Ethanol Extract as Hand Sanitizer Gel Evi Sovia, Hernandi Sujono, Rinaldi Farizi, Sutrisno Sutrisno, Adilfi Risma Nurhadianti, Yenny Febriani Yun	234-241
Safety and Preliminary Immunogenicity of Recombinant Hepatitis B (Bio Farma) Vaccine in Adults and Children: A Phase 1 Clinical Trial Eddy Fadlyana, Rodman Tarigan, Kusnandi Rusmil, Rini Mulia Sari, Cissy B Kartasmita, Behesti Zahra Mardiah, Muhammad Gilang Dwi Putra	242-251
Maternal Knowledge, Attitudes, and Healthy Feeding Behavior on the Nutritional Status of Elementary School Students Sherin Fellicia Liemen, Felicia Kurniawan, Nanny Djaya	252-259
Patient Satisfaction with National Health Insurance and Public Health Center Accreditation: Lessons Learnt from Majalengka Regency, Indonesia Yayat Ruhiyat, Deni Kurniadi Sunjaya, Sharon Gondodiputro, Kuswandewi Mutyara, Budi Sujatmiko, Nita Arisanti	260-268

### Author's Guidelines

Althea Medical Journal (AMJ) is a peer reviewed electronic scientific publication journal in English which is published every 3 months (March, June, September, and December). Althea Medical Journal publishes articles related to research in biomedical sciences, clinical medicine, family-community medicine, and public health.

#### **General Instructions**

To avoid duplication, AMJ does not receive articles that are already published or submitted to other journals which are proven by signing a declaration letter. We only receive original articles, preferably analytical studies. Only good quality descriptive studies will be accepted. We do not receive any articles that contain plagiarism that will be checked for similarity with a similarity index of not more than 25%. The author has to make sure that all co-authors have approved the article. If the article has gone through the review process, the author is not allowed to retract the article to avoid the authors being blacklisted by AMJ. If the article has been found to be already published in another journal, then its publication in the next AMJ edition will be canceled.

All articles will be discussed by the experts in the appropriate scientific field (peer review) and the editorial board. Article that needs to be revised will be returned to the author. Research article must provide evidence that it has been approved by the ethical committee.

All of these processes are conducted online at http://journal.fk.unpad.ac.id/index.php/amj

The submitting author, who is generally the corresponding author, is responsible for the manuscript during the submission and peer-review process. To submit your manuscript, register and log in to the submission website.

Files that should be uploaded in the Supplementary files are a declaration letter and the ethical clearance.

#### Writing article

Manuscript should be typed double-spaced on A4 size paper with 4 cm margins on the left and top, 3 cm margins on the right and bottom, using Times New Roman with a font size of 12 pt. The length of the article should not exceed 25 pages (3300 words) with the page number on every page until

the last page. The acceptable formats are Microsoft Word 97-2003 and 2010 (.doc or .docx files), with a maximum size of 5 MB. Supplementary files: Microsoft Word, PDF, PNG, or JPEG.

## Manuscript Preparation Title page

The title does not exceed more than 20 words and not begin with an article (the...,)/preposition (In, on, at, above, etc). The title should be brief and clear, contains the highlight or finding of the study. The title page (page 1, do not number) contains the full title, author's name with complete title/s, affiliations, name and complete address for correspondence, telephone number, fax number, and email address.

#### **Abstract and Keywords**

Use the following headings: background, methods, results, and conclusions. Please be concise, do not exceed 250 words.

Background must include objectives of the study. Methods must include: design of the study, number of samples, sampling methods, subject/object used, location and periode of the study, variable observed/measured, and data analysis. Result: Summarize the article's main findings. Conclusion: Indicate the main conclusions or interpretations. Define all acronyms or abbreviations at the first mention and put the acronyms or abbreviations in parentheses.

Choose 3–5 keywords that could help indexing. Please write the keywords in alphabetical order. Keywords should be specific and describe or represent the content of the article, abbreviations may be used, as long as they are common in certain fields of science.

#### Text

Typical main headings include introduction, methods, results, and discussion without sub-heading. Please give number in every page. Abbreviations must be defined at first mention.

Introduction describes the problem in general terms (including relevant facts/figures to establish the significance of the problem), should have references citation, In the introduction, there is a state of the art/overview of previous studies to support the statement of justification for the contribution of novelty. Also make sure to clearly state the Gap Analysis/

Novelty Statement or contribution to the novelty of the article, and at the end of the Introduction the purpose of the research should be clearly stated. All sentences are written in a direct and precise manner in present tense. The maximum paragraph is 3 paragraph.

**Methods** includes research design, subject/object/materials used, methods for preparing the material in the study, research protocol, sampling methods (including the sample size), place and time of study, questionnare development and testing, measurement criteria (scoring, category, etc), statistical method, and should have references citation if needed. All sentences are written in a direct and precise manner in past tense. Approval from Ethical Committee is mentioned.

**Results** correlate with the purpose of the study (research question/s), contain tables or and figures that are important and relevant with the study, text provides clarifying information for the results in the tables/figures and placed before the tables/figures (not a repetition of the statements in the tables or and figures). All sentences are written in a direct and precise manner in past tense.

**Discussion** contains statements correlate between results and basic concept/hypothesis/ previous study (not a repetition of the statements from the results section), interpretation of the findings in the result, the uniqueness of the research and information whether the findings agree with other research/studies conducted, if a disagreement is found, discussion should suggest alternative explanation or weakness in the design of the experiment (including the weakness of the experiment in this article or the experiments of others), and should have references citation, discussion includes limitations of the study, next study/ research/steps/ recommendation related to the topic (if necessary) conclusions, acknowledgment (optional), funding (optional), conflict of interest (optional), author contributions (optional).

Conclusion fits the objective of the study, does not include completely new ideas Sentences in conclusions are written in present tense. Other than conclusions, all sentences are written in a direct and precise manner in present or past tense according to the context of the sentence.

#### **Tables and Figures**

Table/s and figure/s are included in the text and also compiled on a separate page. The maximum number of tables and figures is 6 (six).

The table/s are numbered using Arabic number followed by brief title. The title should be put above the table. Supply a brief heading for each column. Indicate footnotes in this order of \*, \*\*, #. Do not use vertical lines between columns. Use horizontal lines above and below the column headings and at the bottom of the table only. Abbreviations used in the table must be defined in a footnote to the table. Figure/s are included in the text and also compiled on a separate page. The title should be put after the figure/s. Photos of people who may be recognizable should be accompanied with written permission. Figures that have been published previously should be displayed with reference. Figures should be numbered according to the appearance in the text. Authors are encouraged to prepare figures and schemes in color with a sufficiently high resolution (minimum 1000 pixels width/height, or a resolution of 300 dpi or higher).

#### References

Authors are recommended to use reference management software, in writing the citations and references such as: Mendeley®, Zotero®, EndNote®, and Reference Manager®.

The accuracy of reference data is the responsibility of the author. Cite references in numeric order according to the first mention in the text and write them according to the Vancouver rules. The number of references should not exceed 30 and minimum 20. Eighty (80) percent of the references should come from journals from the past 10 years. Only 20 percent of the references come from textbooks or journals from the past more than 10 years or website.

Name of the author is written using the last name. First and middle name abbreviated. Include the name of the authors with a maximum of 6 authors. If there are more than six authors, write the names of the first six authors and then add "et al".

The title of article is typed using sentence case. Name of journal abbreviated according to index mediscus.

References from articles that have been received and awaiting publication in a

particular magazine should be written as "in press".

## Articles in Journal Standard journal article

Raikar DR, Manthale NS. A cross sectional study of self-medication for acne among undergraduate medical students. Int J Res Dermatol. 2018;4(2):211–4.

#### References with more than six authors:

Liu Y, Chen Y, Liao B, Luo D, Wang K, Li H, et al. Epidemiology of urolithiasis in Asia. Asian J Urol. 2018;5(4):205–14.

#### Organization as a source

WHO. WHO position paper on hepatitis A vaccines. Wkly Epid Emiol Rec. 2012;87(28/29):261–76.

#### No author given

Mental care and relief support for victims of the earthquake occurred in eastern part of Japan. Seishin Shinkeigaku Zasshi. 2011;113(9):825–44.

#### **Volume with supplement**

Rushton L, Hutchings SJ, Fortunato L, Young C, Evans GS, Brown T, et al. Occupational cancer burden in Great Britain. Br J Cancer. 2012;107(Suppl1):S3–7.

#### **Edition with supplement**

North CS, Pollio DE, Smith RP, King RV, Pandya A, Suris Am, et al. Trauma exposure and posttraumatic stress disorder among employees of New York City companies affected by the September 11, 2001 attacks on the World Trade Center. Disaster Med Public Health Prep. 2011;(5 Suppl 2):S205–12

### Books and Other Monographs Personal author(s)

Sax PE, Cohen CJ, Kuritzkes DR. HIV essentials 2012. 2<sup>nd</sup> ed. Burlington: World Headquarters; 2012.

#### Editor(s) as the author

Baxter R, editor. A cellular dermal matrices in breast surgery, an issue of clinics in plastic surgery. Mountlake Terrace: Saunders; 2012.

#### Organization as the author

UNAIDS. Meeting the investment challenge tipping the dependency. Geneva: WHO Library Cataloguing Data; 2012.

#### Chapter in a book

Pignone M, Salazar R. Disease prevention and health promotion. In: Diedrich C, Lebowitz H, Holton B, editors. 2012 current medical diagnosis and treatment. 51st ed. New York: The McGraw-Hill companies; 2012. p. 1–21.

#### **Conference proceedings**

Wilson B, Hamilton N, editors. Airborne particulate exposures: the environmental and occupational perspectives. Proceedings of the WSN Mining Health and Safety Conference; 2012 April 17–19; Sudbury. Ontario: Golder Associates; 2012.

#### **Conference** paper

Tirilly P, Lu K, Mu X. Predicting modality from text quiries for medical image retrieval. In: Cao Y, Kalpathy-Cramer J, Unay D, editors. MM 11. Proceeding of the 2011 International ACM Workshop on Medical Multimedia Analysis and Retrieval; 2011 Nov 28–Dec 01; Arizona, USA. New York: ACM; 2011. p. 7–12.

#### **Dissertation**

Rohim S. Kontruksi diri dan perilaku komunikasi gelandangan di kota Jakarta (Studi fenomenologi terhadap julukan gelandangan "manusia gerobak") [dissertation]. Bandung: Universitas Padjadjaran; 2012.

#### Electronic material Journal article in electronic format

Mahmood OM, Goldenberg D, Thayer R, Migliorini R, Simmons AN, Tapert SF. Adolescents' fMRI activation to a response inhibition task predicts future substance use. Addictive Behaviors [Internet] 2012 [cited 2012 May 12]. Available from: http://www.sciencedirect.com.

#### Homepage

World Health Organization. Cardiovascular disease (CVDs) [Internet] [cited 2021 May 6]. Available from: https://www.who.int/health-topics/cardiovascular-diseases#tab=tab\_1.

Editorial board contact:

Althea Medical Journal mobile: 082216237668/081320178724 e-mail: chiefeditor.amj@gmail.com amj.fkunpad@gmail.com

