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Judul artikel : Association of cord blood insulin-like growth factor-1 and leptin levels and changes in fetal weight gain in the third trimester of pregnancy

Nama Jurnal : Journal of Clinical Neonatology 2021;10:227-32

Penulis : **Mexitalia M**, Utari A, Pratiwi R, Dewantiningrum J.

Corresponding author: Maria Mexitalia



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Original Article

Association of Cord Blood Insulin-Like Growth Factor-1 and Leptin Levels and Changes in Fetal Weight Gain in the Third Trimester of Pregnancy

Maria Mexitalia, Agustini Utari, Rina Pratiwi, Julian Dewantiningrum¹

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ABSTRACT **Context:** Insulin-like growth factor-1 (IGF-1) and leptin are hormones impacting somatic growth regulation and organ development in early fetal life. **Aims:** The study aimed to investigate the correlation between IGF-1 and leptin levels with birth weight and fetal weight gain during pregnancy third trimester. **Settings and Design:** A cohort study included 52 newborns from Semarang, Indonesia. **Subjects and Methods:** Serum IGF-1 and leptin were taken from the

INTRODUCTION

A poor status during intrauterine has an essential role in susceptibility of metabolic syndrome in later life.^[1-3] Some hormones play in metabolic regulation, energy expenditure, somatic growth, and development, including insulin-like growth factor-1 (IGF-1) and leptin.^[4,5] IGF-1 is a polypeptide that acts as a paracrine and autocrine mediator,^[6-8] meanwhile leptin regulates body fat.^[9,10] High protein intake in pregnant women increases fetal growth^[11] but will cause a linear slowdown of fetus in another study.^[12] The aim of this study was to investigate the

correlation between IGF-1 and leptin levels with fetal weight.

SUBJECTS AND METHODS

We recruited 52 mothers out of 79 from 9 health centers and 5 hospitals in Semarang who had healthy full-term

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No	Perihal	Tanggal
1.	Bukti registrasi untuk submit	22-02-2021
2.	Bukti submit diterima	23-02-2021
3.	Bukti reviewer comments 1	04-08-2021
4.	Bukti menerima hasil revisi	12-08-2021
5.	Bukti acceptance	14-08-2021
6.	Bukti final proof	28-08-2021
7.	Bukti pemberitahuan artikel terbit	24-09-2021

1. Tanggal 22 Februari 2021



Maria Mexitalia <dr.mexitalia@gmail.com>

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1 message

Journal of Clinical Neonatology <editor@jcnonweb.com>
To: dr.mexitalia@gmail.com

Mon, Feb 22, 2021 at 8:10 PM

Welcome Dr. Maria Mexitalia to Journal of Clinical Neonatology,

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This confirmatory step is necessary for registration of your username and password into our system.

For further clarification please contact editor@jcnonweb.com

Thank you.

Journal of Clinical Neonatology

2. Tanggal 23 Februari 2021



Maria Mexitalia <dr.mexitalia@gmail.com>

Author New Submission Acknowledgement letter: jcn_32_21

1 message

Editor In Chief <editor@jcnonweb.com>
To: dr.mexitalia@gmail.com

Tue, Feb 23, 2021 at 9:45 PM

Dear Dr Dr. Maria Mexitalia,

Journal of Clinical Neonatology has received your manuscript entitled "Title of the article: Association of Cord Blood IGF-1 and Leptin Levels and Changes in Fetal Weight Gain in the 3rd Trimester of Pregnancy" for consideration for publication. The reference number for this manuscript is "jcn_32_21". Kindly quote this in future correspondences related to this manuscript.

The manuscript is being reviewed for possible publication with the understanding that it is being submitted to ONE journal at a time and has NOT been published, simultaneously submitted, or already accepted for publication elsewhere either as a whole or in a part.

Online submission of this article implies that the corresponding author has written consent from all the contributors to act as the corresponding author.

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The Editors will review the submitted manuscript initially. If found suitable, it will follow a double-blinded peer review. We aim to finish this review process within a short time frame, at the end of which a decision on the suitability or otherwise of the manuscript will be conveyed to you via this system.

During this process, you are free to check the progress of the manuscript through various phases from our online manuscript processing site <https://review.jow.medknow.com/jcn>.

We thank you for submitting your valuable work to the Journal of Clinical Neonatology.

Yours sincerely,

Editorial Team

Journal of Clinical Neonatology

3. Tanggal 4 Agustus 2021



Maria Mexitalia <dr.mexitalia@gmail.com>

Manuscript for revision: jcn_32_21

4 messages

Editor In Chief <editor@jcnonweb.com>
To: dr.mexitalia@gmail.com

Wed, Aug 4, 2021 at 3:08 PM

Dear Dr Mexitalia,

With reference to your manuscript jcn_32_21 entitled Title of the article: Association of Cord Blood IGF-1 and Leptin Levels and Changes in Fetal Weight Gain in the 3rd Trimester of Pregnancy, please review the comments of the referees from our site <https://review.jow.medknow.com/jcn>. The manuscript would be reconsidered after requisite modifications as per the comments and instructions provided by the journal.

If you wish to continue with the publication process, kindly make the changes according to the comments and upload the revised manuscript along with clarifications for all the comments clearly indicating the areas where the changes have been made.

Do check the FAQ regarding replying to the comments and uploading a file. The template of point-by-point comments files for the reviewers, is available in your dashboard under the 'Downloads' menu option.

The journal allows two weeks for the revision of the manuscript. If we do not hear from you within this period, we will consider it as your decision to withdraw your article from publication. Please also note that the submission of the revised article does not guarantee its final acceptance by the journal.

We thank you for submitting your valuable research work to Journal of Clinical Neonatology.

With warm personal regards,

Editorial Team

Journal of Clinical Neonatology

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Notification Wednesday, August 4, 2021

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1. The paper describes an original work which is very much worth publishing. 2. I wonder if igf2 was looked at. It I swell known the intrauterine and immediate post natal growth is perhaps dependent on igf2 and other hormones like insulin and thyroxin and not very much on the growth hormone- igf1 axis. 3. The paper needs major editing revision for example: 3.1.Starting new sentences unnecessarily with the word "and ". 3.2. "Dropped out" instead of "dropping out". 3.3.Rephrase "most babies were boys 3.4.Replace" our study " with " this or the present study". 3.5. There are confusing statements in line 33 onwards ..the way G1 and G3 were defined is nor consistent with the previously mentioned definitions in the subjects and methods. 3.6.In the last paragraph of discussion rephrase the sentence "furthermore, we only measure(d) total maternal protein intake and (it) did not differ. 3.7.Move ethics, statistics methods and consents to the end of subjects and methods not at the beginning 4. Cut off point of hemoglobin of 7: on what basis was this taken? (need reference)	0	August 4, 2021	-

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Items per page: 10 1 - 1 of 1						

4. Tanggal 12 Agustus 2021



Maria Mexitalia <dr.mexitalia@gmail.com>

Manuscript Revision Completed Acknowledgement letter: jcn_32_21

2 messages

Editor In Chief <editor@jcnonweb.com>
To: dr.mexitalia@gmail.com

Thu, Aug 12, 2021 at 10:14 AM

Dr Maria Mexitalia,

Journal of Clinical Neonatology has received your revised manuscript entitled '[ARTICLE_TITLE]'. The manuscript will be re-evaluated by concerned referees for the final decision regarding its suitability for publication. We will get back to you within four weeks.

We thank you for submitting your valuable research work to Journal of Clinical Neonatology.

With warm personal regards,

The Editorial Team

Journal of Clinical Neonatology

To,

The Reviewers Journal of Clinical Neonatology

Sub: Revision of Manuscript for publication

Dear Sir,

Thank you for your input for our paper entitled “Association of Cord Blood IGF-1 and Leptin Levels and Changes in Fetal Weight Gain in the 3rd Trimester of Pregnancy”. We believe that all the input and suggestions are necessary to present our results better. Herewith we submit our reply to the reviewers as blue text below. We highlighted the text with yellow colour for the revision. Thank you.

1. The paper describes an original work which is very much worth publishing.

Thank you for the compliment and appreciation.

2. I wonder if igf2 was looked at. It is well known the intrauterine and immediate post natal growth is perhaps dependent on igf2 and other hormones like insulin and thyroxin and not very much on the growth hormone- igf1 axis.

Thank you very much for your valuable comments. We have added this matter in the discussion.

3. The paper needs major editing revision for example:

3.1. Starting new sentences unnecessarily with the word “and “.

Thank you for your suggestion. We have deleted the And in the new sentences

3.2. “Dropped out” instead of “dropping out”.

Thank you for your suggestion. We have changed the term “dropping out” to “dropped out”

3.3. Rephrase “most babies were boys”

Thank you for your suggestion. We have changed the sentence “ most babies were boys.....” to “The majority of the subjects were boys (61.5%) with a gestational age of 39 weeks at delivery”.

3.4. Replace” our study “ with “ this or the present study”.

Thank you for your suggestion. We have replaced the term “our study” to “this present study”

3.5. There are confusing statements in line 33 onwards ..the way G1 and G3 were defined is not consistent with the previously mentioned definitions in the subjects and methods.

Thank you for your comments. We have checked and made it consistent.

3.6. In the last paragraph of discussion rephrase the sentence “furthermore, we only measure(d) total maternal protein intake and (it) did not differ

Thank you for your suggestion. We have rephrased the sentence “ furthermore, we.....”to “Furthermore, we only measured the total maternal protein intake, and as a result, we found no difference between animal protein and milk products”.

3.7. Move ethics, statistics methods and consents to the end of subjects and methods not at the beginning.

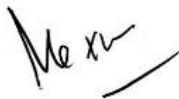
Thank you for your suggestion. We have moved the ethic, consent and statistics methods to the end.

4. Cut off point of hemoglobin of 7: on what basis was this taken? (need reference)

Thank you for your suggestion. We have added the reference for this. We used WHO criteria for severe anaemia (Hb < 7 g/dL).

Best regards,
Authors

Signature

A handwritten signature in black ink, appearing to read 'Me xv' with a flourish underneath.

Corresponding Contributor

Maria Mexitalia, MD, PhD

5. Tanggal 14 Agustus 2021

The screenshot shows a Gmail interface with a search bar at the top containing "journal of clinical neonatology". The left sidebar lists folders: Compose, Inbox (2,900), Starred, Snoozed, Sent, Drafts (114), and More. Below these are labels: IKA Lap Bangsal, IKA LK Visbes, Mandiri MTix (176), NCCN, SAGE, and Webinar (8). The main content area displays an email titled "Manuscript Accepted for Publication: jcn_32_21" from "Editor In Chief" to "me" on Saturday, August 14, 2021, at 2:02 AM. The email body contains the following text:

Dear Dr Mexitalia,

The Editorial team of Journal of Clinical Neonatology is pleased to inform you that your manuscript jcn_32_21 entitled "Title of the article: Association of Cord Blood IGF-1 and Leptin Levels and Changes in Fetal Weight Gain in the 3rd Trimester of Pregnancy", is accepted for publication in the journal.

We will be sending you page proofs of the manuscript in about 2-3 weeks for final checking and corrections if any., through the manuscript management site before the publication of the manuscript.

Please note that the journal reserves the right to make changes in the language, grammar, presentation, etc. to suit the journal's requirements.

We thank you for submitting your valuable research work to Journal of Clinical Neonatology.

With warm personal regards,

Yours sincerely,

The Editorial Team

Journal of Clinical Neonatology



Maria Mexitalia <dr.mexitalia@gmail.com>

Manuscript Accepted for Publication: jcn_32_21

2 messages

Editor In Chief <editor@jcnonweb.com>
To: dr.mexitalia@gmail.com

Sat, Aug 14, 2021 at 2:02 AM

Dear Dr Mexitalia,

The Editorial team of Journal of Clinical Neonatology is pleased to inform you that your manuscript jcn_32_21 entitled "Title of the article: Association of Cord Blood IGF-1 and Leptin Levels and Changes in Fetal Weight Gain in the 3rd Trimester of Pregnancy", is accepted for publication in the journal.

We will be sending you page proofs of the manuscript in about 2-3 weeks for final checking and corrections if any., through the manuscript management site before the publication of the manuscript.

Please note that the journal reserves the right to make changes in the language, grammar, presentation, etc. to suit the journal's requirements.

We thank you for submitting your valuable research work to Journal of Clinical Neonatology.

With warm personal regards,

Yours sincerely,

The Editorial Team

Journal of Clinical Neonatology

6. Tanggal 28 Agustus 2021



Maria Mexitalia <dr.mexitalia@gmail.com>

Manuscript for Final Proof : jcn_32_21

1 message

Editor In Chief <editor@jcnonweb.com>
To: dr.mexitalia@gmail.com

Sat, Aug 28, 2021 at 2:58 PM

Dear Dr Mexitalia,

An edited and formatted version of your manuscript jcn_32_21 entitled "Title of the article: Association of Cord Blood IGF-1 and Leptin Levels and Changes in Fetal Weight Gain in the 3rd Trimester of Pregnancy" which is scheduled for publication in a forthcoming issue of Journal of Clinical Neonatology, has been uploaded on our site:
<https://review.jow.medknow.com/jcn>.

You are requested to check the same and upload corrected file within 5 days. if there are no changes click "No change" on the site.

If you have any difficulty in downloading or uploading the proofs, please write to Tech Support team at [wkhlrpmedknow_techsupport@wolterskluwer.com].

In case we do not hear from you within the stipulated time, we may proceed with publication of the article as it is or postpone the publication to the next issue.

We value your support to our journal and look forward for your valuable contribution in future.

Thanking you,
Journal Editor

Journal of Clinical Neonatology

7. Tanggal 24 September 2021



Maria Mexitalia <dr.mexitalia@gmail.com>

Full text PDF of your published manuscript

2 messages

Journal of Clinical Neonatology <editor@jcnonweb.com>
To: dr.mexitalia@gmail.com

Fri, Sep 24, 2021 at 2:04 PM

Dear Dr. Mexitalia

We are pleased to inform that your article entitled "**Association of cord blood insulin-like growth factor-1 and leptin levels and changes in fetal weight gain in the third trimester of pregnancy**" has been published in "**Journal of Clinical Neonatology**". With this mail we are sending you the final PDF of the article for your personal use.

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5. As an author you can also deposit your paper with the NLM's PubMedCentral, if you have received an NIH grant. Use the myNCBI link on <http://www.nihms.nih.gov/db/sub.cgi> to submit your paper.
6. Link the paper from your personal / institution web pages. Please use this <https://www.jcnonweb.com/text.asp?2021/10/4/227/326609> for the linking.

Thank you for your contribution to our journal.

With personal regards
Dr. Saad Alsaedi
EDITOR-IN-CHIEF
Journal of Clinical Neonatology