Zahedan Journal of Research in Medical Sciences
Volume 23 · Issue 2 · e99177

OPEN PEER REVIEW

Comparative Investigation of Serum Vitamin D Level in Women with Unexplained and Male Factor Infertility

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SUBMITTED	REVISED	ACCEPTED	DOI
2 Dec 2019	10 Mar 2020	25 Apr 2020	10.5812/zjrms.99177

About this report

This open peer review (OPR) report shows the public comments made on this article during peer review, by the reviewers, the associate editor and the editor-in-chief, for every revision round, together with the authors' replies. Comments appear only with the consent of the people who wrote them. Reviewers who chose to sign their report are named; the others are shown as "Referee". Comments are edited for language only, and confidential remarks to the editors are not included.

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1 Original submission

1 comment · 29 Dec 2019

Ali Reza Dashipour Reviewer

MAJOR REVISION 29 Dec 2019

Greetings,
The manuscript should undergo a comprehensive language revision.
The reference formatting should be corrected. Consecutive material drawn from a single reference should be cited only once, at the end of the passage (in the Introduction).
Dates should be written using Gregorian calendar years.
What is meant by "Labratory scientis"?
A reference for the classification of vitamin D status should be provided.
In English, decimals are written with a decimal point; using / is incorrect.
The statistical method has been repeated in the Results section.
The Discussion is weak.
The three tables presented are actually one table and should be combined into a single table.
The table should be arranged from left to right, following the format used for tables in English.

2

Revision 1

AUTHORS' RESPONSE TO REVIEWERS

Authors' reply to reviewers

The next pages contain the authors' point-by-point reply to the comments of this revision round, as submitted with the revised manuscript. It is published as the authors wrote it.

In the name of the Most High

With greetings and respect

1 The year the study was conducted was converted from the Solar Hijri to the Gregorian calendar.

2 The decimal numbers were corrected

3 The references were corrected .

4 The article was edited and the tables were corrected

2 Revision 1

2 comments · 28 Feb 2020 – 29 Feb 2020

Ali Reza Dashipour Reviewer

MINOR REVISION 28 Feb 2020

Hello,

- Please clarify whether the letter m here is extra or an abbreviation for a word.
"The level of vitamin D in m women with unexplained infertility was lower than male factor. Therefore, measures have been taken to prescribe vitamin D supplementation to infertile women."
- Abbreviations such as PCOS and IVF should be written out in full at first mention.
- The standard deviation in the following sentence is incorrect. Please correct it.
"and the body mass index (BMI) in the case group was 22.3 ± 42.22"
- In the previous review, it was agreed that the three tables would be combined into one table and that the results would be presented only in tables or in the text. It was also agreed that the Mann–Whitney test would be used to compare vitamin D between the two groups because the standard deviations are large and the distribution is unlikely to be normal. Alternatively, if you use a t-test, check normality first.
- In the table, report numbers to only two decimal places. Place the mean and standard deviation columns next to each other, with the columns ordered from left to right as follows: number, mean, and standard deviation.
- In reference 16, the first names are written out in full and the last names are abbreviated. Please correct this.

Associate Editor

MINOR REVISION 29 Feb 2020

Minor Revision

3

Revision 2

AUTHORS' RESPONSE TO REVIEWERS

Authors' reply to reviewers

The next pages contain the authors' point-by-point reply to the comments of this revision round, as submitted with the revised manuscript. It is published as the authors wrote it.

In the name of God

Suggested corrections

Table 1: Average level of vitamin D in infertile women with unexplained infertility and male factor

Group	Number	The mean level of vitamin D	Standard Deviation	Infertility Cause
Case	105	90/10	11/7	Unexplained
Control	50	60/23	88/6	Male Factor

Table 2: Determination of mean vitamin D level in women with unexplained infertility and male factor couples using independent t-test

Group	Number	The mean level of vitamin D	Standard Deviation	P-Value
Case	105	90/10	11/7	001/0>
Control	50	60/23	88/6	

2.The references were corrected.

3.I corrected the abbreviations

4.I corrected the date

3 Revision 2

0 comments

No public comments in this round.

4

Revision 3

AUTHORS' RESPONSE TO REVIEWERS

Authors' reply to reviewers

The next pages contain the authors' point-by-point reply to the comments of this revision round, as submitted with the revised manuscript. It is published as the authors wrote it.

In the name of the Most High

With greetings and respect

Tables 1 and 2 were merged.

Table 1: Mean level of vitamin D in infertile women with unexplained infertility and male factor

Group	Number	The mean level of vitamin D	Standard Deviation	P-Value
Case (Unexplained)	105	90 .10	11 .7	001/0>
Control(Male Factor)	50	60 .23	88 .6	

We highlighted the raised items in yellow

4 Revision 3

3 comments · 22 Apr 2020 – 25 Apr 2020

Ali Reza Dashipour Reviewer

ACCEPT 22 Apr 2020

Table 2 should be removed.
In the text, use a period as the decimal separator, for example, in the following sentence:
group was 22/4 ± 3/22 and in the

Associate Editor

ACCEPT 25 Apr 2020

Accept

Editor-in-Chief

ACCEPT 25 Apr 2020

Accept