Author's response to reviews

Title: Levels of oxidative stress biomarkers in seminal plasma and their relationship with seminal parameters.

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Comments for Referees

Title: Levels of oxidative stress biomarkers in seminal plasma and their relationship with seminal parameters.
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Answers to Reviewer One (Amalia Carpino):

Major Compulsory Revisions:

1. Correlation analysis was performed in total case group (ref. 14)

2. Because of some experimental limitations for isoprostane measurement, the study was performed on a minimum number of subjects.
We completely agree with your comments for assessing ROS levels. But at present, unavailability of enough materials and some samples, is not possible to measure ROS levels and will try to consider in ongoing experiments as suggested.

3. The paragraph was modified as:
In our study the correlation between TAC and percentage normal sperm morphology was positive. According to Gil-Guzman et al study, this finding could be interpreted that in semen with high rate of abnormal forms, because of high levels of ROS production, consumption of non-enzymatic antioxidants will be higher.
-Expression "level of normal morphology" was corrected to "percentage normal sperm morphology"

4- More explanations about the conflictuality of our results with previous reports were provided in the second paragraph of discussion.

5. The statement was corrected in the conclusion section of the abstract and also at the end of the paper as "impaired sperm function".

Minor Essential Revisions:

1. Methods
   a. The age of the controls and the patients was provided.
   b. The control group was men with normal semen parameters and proven fertility.
   c. Hyperviscous semen samples were not included in the study and were specified in the method.

2. References:
   a. The typographic mistakes were corrected.
   b. The abbreviations of the journals were provided.
   c. The mistake of the reference was corrected.
Answers to Reviewer Two (Maciej Kurpisz):

Major Compulsory Revisions:

1. We measured the fraction of isoprostane released to seminal plasma and it was specified in the method section.
2. The two papers were addressed in Background and Discussion (ref. 10, 11)
3. The expression "indirect correlation" was corrected to "inverse correlation" over the manuscript.
4. English writing was corrected specifically in Abstract.

Answers to Reviewer Three (Ashok Agarwal):

1. The total number of patients was provided in the abstract.
2. The reference for normal semen parameters was provided in method section.
3. The full name of abbreviations was provided.
4. For measuring TAC, one reference used the Randox kit (32, revised ver.) and the other did not used the Randox kit (33 revised ver). Reference for 8-Isoprostane (35, revised ver.) did not used the Cayman kit. So we modified the sentences, because the basic for measuring of the variables was similar to our study.
5. Reference for SOD assay was provided.
6. Tables were modified according to Reviewer points.