

Reviewers' comments	Author's responses
Reviewer 1	
<p>In INTRODUCTION, this sentence "to the absence of correlation between plasma visfatin level and diabetes" was taken out of context. This is an uncertain conclusion due to the small sample size of the cited article. Studies have shown that plasma visfatin concentration has been reported to be significantly associated with T2DM and with lower glucose concentrations, and visfatin inhibits hepatic glucose production by stimulating glucose transport in adipocytes and muscle.</p> <p>2. TNF-a is also a common cause of insulin resistance. Studies have shown that there is a significant correlation between plasma visfatin level, TNF-a and insulin resistance. Please add relevant content in this review.</p> <p>3. The adipocytokines secreted from the adipose tissue, increased white blood cell count and exosome have been studied as biomarkers for insulin resistance. Exosomes are present in a variety of body fluids, such as plasma, saliva, breast milk, sweat, tears and urine, and are a promising method for the early diagnosis of insulin resistance. Please describe the advantages and prospects of using serum or salivary visfatin levels as biomarkers of insulin resistance.</p>	<p>1. Corrected</p> <p>2. Done, highlighted in yellow in the revised manuscript.</p> <p>3. A paragraph is added, reference added "111.</p>
Reviewer 2	
<p>1.If the parts about visfatin level and cardiovascular diseases and kidney diseases in the text can be properly reflected in the abstract, it can make the abstract more comprehensive;</p> <p>2.If the keywords can be added "PBEF" and "Namp1", it can make the article easier to be searched;</p>	<p>1. Done. Cardiovascular diseases and kidney diseases are reflected in the abstract.</p> <p>2. Done</p> <p>3. Corrected in the figure</p>

<p>3. In figure 1 "nicotinamide phosphoribosyltransferase" is different with the "nicotinamide phosphoribosyltransferase" in article, whether there is a writing error;</p> <p>4. "Dexamethasone" and "Somatostatin" in Figure 2 are inconsistent with the description in the paper, please modify them to make the paper more rigorous;</p> <p>5. If you can improve the expression and make the article more logical, your writing will be much clearer and easier to understand.</p> <p>6. Please mark the preface in your article to make the structure of the article clearer.</p>	<p>4. Corrected in the figure.</p> <p>5. Done</p> <p>6. Done</p>
<p>Reviewer 3</p> <p>1. On the whole, a nicely compiled review</p> <p>2. The author may please dwell on HOMA-IR and other indices of insulin resistance, including the surrogate Triacylglycerol/High Density Lipoprotein ratio (TAG/HDL)</p> <p>3. Visfatin is relatively new. The author would do well in adding a paragraph on established adipokines and their gene polymorphism on insulin resistance e.g. Adiponectin SNP+45 and how visceral fat as an adipocyte hormone is unique with reference to adipokines released from adipose tissues</p>	<p>1. Thank you</p> <p>2. Those biomarkers are indicated in the manuscript Highlighted in yellow.</p> <p>3. A paragraph has been added, highlighted in yellow.</p>