

#### Response to Reviewer #1

The manuscript is prepared as a review of genetical background of diabetic foot (DF). The authors analyzed the single nucleotide variants located in genes described in the literature in recent years. The aim was to better recognize and understand their roles in the pathogenesis of DF. The clinical significance of DF as one of the most traumatic complications of diabetes requires such analysis to be updated periodically. The authors describe SNVs located in 19 genes and their potential role in the development and course of DF. They analyze each variant in depth in relation to more than just DF, showing additionally in some cases their associations with diabetes itself. What is noteworthy is the selection of up-current literature.

We would like to thank the reviewer for a positive outlook on our manuscript, and for the valuable comments to improve its merit.

Minor comments: The table no 1 could be expanded to include the information about the potential impact of selected gene variants on DF occurrence, development and/or its complications like osteomyelitis. The authors could add the gen-gen interactions if they were described in the literature. Finally, the manuscript is worth to be published in BPG after minor revision.

We expanded the table 1 including information regarding the potential impact of the selected gene variants on DF occurrence, development and/or its complications (See Table 1 columns: Potential influences of the SNVs on DF and DF related complications, and Genotypes as risk or protective factors). Information regarding gen-gen interactions were quite limited from the literature, therefore, we described this in the text.

#### Response to Reviewer #2

This article offered something new. On the other hand, this study was too superficial and looked directionless (various pathologies were scattered without any deductive pattern). The author should better explain the role of each SNV to various pathologies mentioned. Merely describing that the SNV "involve in the development" (as stated in Conclusion) did not give sufficient didactic values.

We would like to thank the reviewer for the kind suggestions towards our manuscript.

In the revised manuscript, we explained the roles of each SNV to various pathologies mentioned.