

Reviewer #1:

Scientific Quality: Grade C (Good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Minor revision

Specific Comments to Authors: The manuscript presents a concise analysis of prognosis and risk factors related to wound complications after transtibial amputation in patients with diabetes. By retrospective cohort study among 72 cases, this work points out the common postoperative wound complications and emphasizes the necessity of wound revisions. The manuscript is publishable after addressing the following concerns:

1. The English writing still needs to be further improved. There are some problems with the writing of technical terms in the article, for example, "follows up period" should be "follow-up period". And some grammatical errors such as singular and plural word problems, verb misuses and tense inconsistencies. eg., "Occur" is unsuitable in the sentence "43.1% of the patients with transtibial amputation surgery occurred wound complication and 16.7% require additional surgical treatment."

-> I would like to express my sincere gratitude for the time and effort you have dedicated to reviewing my manuscript. Your insightful comments and suggestions have been invaluable in enhancing the quality and clarity of my work.

-> The manuscript has undergone comprehensive English language editing by a professional, and a certificate of proofreading has been obtained and attached.

-> I have changed "follows up period" to "follow-up period."

I have revised "43.1% of the patients with transtibial amputation surgery occurred wound complication and 16.7% require additional surgical treatment." to "Approximately 43.1% of the patients with transtibial amputation surgery experienced wound complications, and 16.7% required additional surgical treatment."

2. The authors should add more studies of the latest literature on risk factors related to DMF in the discussion. eg., Adv. Sci. 2023, 10, 2203308;

-> Your expertise and constructive criticism have been instrumental in refining my paper, and for that, I am truly appreciative. I have incorporated your suggestions and believe that these changes have significantly improved the manuscript.

-> I have included in manuscript : "According to Huang et al., the wound healing process in diabetic foot patients as intricate, involving factors such as elevated blood sugar levels, reduced blood flow, low oxygen levels, heightened inflammatory response, and ongoing infections."

3. To further clarify the relationship between risk factors and wound complications, the authors should describe the specific mechanisms by which risk factors

-> Your suggestions have greatly contributed to refining my manuscript. Grateful for the time and effort you put into reviewing my paper.

-> I have included in manuscript : "In their multivariate analysis, Uckay et al. observed that the presence of chronic, enhanced immune suppression, compared to its absence, is linked with an increased likelihood of clinical failures in diabetic foot infection (DFI) cases, indicated by a hazard ratio of 1.5 and a 95% confidence interval ranging from 1.1 to 2.0. This suggests that a consistently elevated level of immune suppression may act as an independent factor increasing the risk of unsuccessful treatment outcomes in DFI." and "According to Huang et al., the wound healing process in diabetic foot patients is intricate, involving factors such as elevated blood sugar levels, reduced blood flow, low oxygen levels, heightened inflammatory response, and ongoing infections."