**Reviewer: 1**

*Comments*:

**# 1** *1. Title needs to be rewritten:*

*The results and conclusion are not relevant to the title.*

**Response to reviewer comment # 1**: Our article title has been revised according to the referee's comment.

**# 2** *Methods and statistics*

*Univariate analysis was used between discharge group and early mortality group, However, did not use further multivariate analysis, so the relevant results were not reliable.*

**Response to reviewer comment # 2**: In line with the rightful criticism of the referee, we applied additional analysis in our article (Table 4). It was re-evaluated using multivariate analysis between the discharge group and the early death group. And we believe the results are more reliable in this assessment.

***#* 3** *Results*

*In table 1, the total number of patients is 78 (male 62, female 16), while in abstract, the section of methods indicated that 82 consecutive patients were enrolled, it has 4 persons missing.*

*In table 2, the author found blood values is not associated with mortality, and differ from previous studies (reference 13, 14), and the author suggested the difference is due to the limit of the sample. What significance can this article add to the current literature?*

**Response to reviewer comment # 3**: I agree with the valuable comments of the referees. The desired change has been added to the "Discussion" section.

***#* 4** *Discussion*

*The discussion should be discussed with the main results and previous studies carefully.*
**Response to reviewer comment # 4**:

I agree with the valuable comments of the referees. The desired change has been added to the "Discussion" section.

**Reviewer: 2**

*Comments:*

**# 1** *Some preoperative hematological markers, including liver function index and myocardial enzyme, such as CK, LDH, AST, which are routine laboratory testing, should be compared between two groups.*

**Response to reviewer comment # 1:** In line with the valuable suggestions of the referee, liver function index and myocardial enzymes such as CK, LDH, AST were included in the study.

**# 2** *It has been well reported that the relationship between mortality and preoperative hematological markers in patients who underwent surgery for TAAD, as far as I know. Please describe advantages in Discussion.*

**Response to reviewer comment # 2:** The requested section has been added to the discussion section in accordance with the referee's recommendations.

**# 3** *There are several operation modes and method choices to treat TAAD, which may affect early mortality in patients undergoing TAAD surgery. Please consider these factors.*

**Response to reviewer comment # 3:** The requested section has been added to the discussion section in accordance with the referee's recommendations.

**# 4** *Why did prolonged X-clamp and TCA durations affect mortality? Please simply describe or explain in Discussion.*

**Response to reviewer comment # 4:** The requested section has been added to the discussion section in accordance with the referee's recommendations.

**# 5** *Please add the data unit in table 1,2, such as age, EF, Hemoglobin and so on.*

**Response to reviewer comment # 5:** The requested data unit has been added to the tables in accordance with the referee's recommendations.