

Dear Ruo-Yu Ma,

Thank you very much for your comments and advice on our manuscript (Manuscript NO. **48116**) entitled "**A novel magnetic compression technique for establishment of tracheoesophageal fistula model in canine**". We also thank the editorial consultants/ reviewers for their helpful and valuable comments and suggestions. Accordingly, we have revised the manuscript. Moreover, the revised manuscript has been edited and proofread by Medjaden Biosciences Ltd. All the amendments are highlighted in red in the revised manuscript. In addition, point-by-point responses to the comments are listed below this letter.

We hope that the revision is acceptable for the publication in your journal.

Look forward to hearing from you soon.

With best wishes,

Yours sincerely,

Xiao-Peng Yan, MD, PhD

First of all, we would like to express our sincere gratitude to the editorial consultants for their constructive and positive comments.

**Response to Reviewer #1 (Reviewer's code: 00070310)**

Reviewer #1: This paper showed a novel magnetic compression technique for establishment of tracheoesophageal fistula model in canine. This paper is interesting, but will require some revision before publication. Please show what studies will be expected using this model.

Response: Thank you very much for your suggestion. Some sentences have been added in the Discussion of the revised manuscript to address this issue.

**Replies to Reviewer #2(Reviewer's code: 02544751)**

Reviewer #2: Recension of manuscript No. 48116: „ A novel magnetic compression technique for establishment of tracheoesophageal fistula model in canine. Running title: Tracheoesophageal fistula model using magnetic compression, written by Yi Gao, Rongqian Wu, Yi Lv, Xiaopeng Yan, “, which will be published in World Journal of Gastroenterology. The structure of manuscript is in keeping with the common required criteria. The topic of the work is very actual, because tracheoesophageal fistula results in substantial morbidity and mortality as it is associated with coughing while swallowing, purulent bronchitis, pneumonia, sepsis, dysphagia, and malnutrition. Surgery is first line treatment for tracheoesophageal fistula, but the techniques are diverse, and the long-term outcomes are disparate. The magnetic compression technique is a simple, minimally invasive, and reliable technique that utilizes the attraction between magnets to pull together an area of ischemic necrosis

and its surrounding tissue to promote healing. Authors in the present study confirmed that the magnetic compression technique is a simple, minimally invasive, and feasible method for developing a canine model of tracheoesophageal fistula. Work is clearly legible, brings summarizes new knowledge. The citations are actual and their format respect usual standards. The conclusion reflects the author's results and these can be accepted. I recommend the manuscript to be published. Kosice, 20. May 2019 MUDr. Jana Katuchova, PhD. Professor of Department of Surgery University Hospital Košice Slovakia

Response: Thank you very much for your comments.

**Replies to Reviewer #3(Reviewer's code: 02458621)**

Reviewer #3: I have appreciated the present study. The structure is solid and it is described clearly. I would suggest you to mention in your introduction esophageal atresia when you talk about the congenital form of TEF. Esophageal atresia is the most relevant clinical condition associated with TEF. As you mention the acquired form are rare.

Response: Thank you very much for your suggestion. Some sentences have been added in the Introduction of the revised manuscript to address this issue.