

Reviewer #1:

Scientific Quality: Grade C (Good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Minor revision

Specific Comments to Authors: Congrats for the excellent study based on the clinical data of GC patients! The authors retrospectively reviewed data of 102 GC patients who underwent RG under GA from December 2018 to January 2022. The experiment of the study is designed very well, aims are very clear. Methods are reasonable. Data in figures and tables are very good, and well discussed. This is a concise and thorough study, which would provide some clinical guidance to anesthesia management optimization and prognosis improvement of GC patients undergoing RG under GA. I recommend accepting this manuscript for publication after a minor language editing.

Reply: Thank you for the guidance. We have refined the manuscript with a minor language editing.

Reviewer #2:

Scientific Quality: Grade B (Very good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Minor revision

Specific Comments to Authors: Dexmedetomidine is a multipotent central α -2 adrenergic agonist with sedative, analgesic, and anti-sympathetic functions, which is often used as an anesthetic adjuvant. Recent years, more and more researchers have analyzed the application value of DEX in RG for GC. In this research, the clinical effects of DEX in GC patients undergoing RG under GA were analyzed from five aspects: inflammation, stress, CF, neurological function, and coagulation function. In my honest opinion, the topic is interesting and the retrospectively studies novel enough to attract the readers' attention. The article provides an essential reference for researchers in this field and the results are interesting and could be useful for other studies. Please confirm the time when the study started screening patients, and I am confused by the years now written in the text for 2018 and in the abstract for 2019. The operation of routine anesthesia needs to be supplemented in the method part. In addition, there are some shortcomings such as small sample size, which need to be pointed out by the authors at the end of the article.

Reply: Thank you for the guidance. We have revised the time when the study started screening patients. In addition, the operation of routine anesthesia has been supplemented in the methods part. And at the end of the paper, we have pointed out and supplemented the shortcomings such as the small sample size at the end of this paper.