Author's response to reviews

Title: Effectiveness of CO2-insufflated Endoscopic Submucosal Dissection with the duodenal balloon occlusion method for early esophageal or gastric cancer

Authors:

Hirohito Mori (hiro4884@med.kagawa-u.ac.jp)
Hideki Kobara (kobara@med.kagawa-u.ac.jp)
Shintaro Fujihara (joshin@med.kagawa-u.ac.jp)
Noriko Nishiyama (n-nori@med.kagawa-u.ac.jp)
Mitsuyoshi Kobayashi (koba@med.kagawa-u.ac.jp)
Takako Nomura (takako-n@med.kagawa-u.ac.jp)
Takashi Himoto (thimoto@med.kagawa-u.ac.jp)
Kunihiko Izuishi (izuishi@kms.ac.jp)
Masanobu Hagiike (hagiike@med.kagawa-u.ac.jp)
Keiichi Okano (kokano@kms.ac.jp)
Yasuyuki Suzuki (szk@med.kagawa-u.ac.jp)
Tsutomu Masaki (tmasaki@med.kagawa-u.ac.jp)

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Author's response to reviews: see over
Dear Professor Jigisha Patel:

We wish to submit our manuscript entitled “Effectiveness of CO₂-insufflated Endoscopic Submucosal Dissection with the duodenal balloon occlusion method for early esophageal or gastric cancer” to *The Journal of BMC Gastroenterology* for consideration as an original article.

The advantage of CO₂-insufflated ESD of early colorectal cancer has previously been reported. However, no study has scientifically examined the influences of CO₂ insufflation on the human body during ESD of the upper GI tract. In CO₂-insufflated ESD of early colorectal cancer, CO₂ gas is insufflated retrogradely and Bauhin’s valve functioned as a back-flow prevention system, and also the CO₂ is absorbed only through the colonic mucosa. In esophageal or gastric CO₂-insufflated ESD, CO₂ gas insufflated into upper GI tract is widely distributed to and absorbed rapidly through, not only the esophagus and stomach but also intestine. This study is a single-center, randomized, case control study of changes in CO₂ concentration during the procedure and changes in intestinal volume and acid-base balance by using the duodenal balloon occlusion method.

The manuscript, as submitted or its essence in another version, is not under consideration for publication elsewhere, and will not be published elsewhere while under consideration by *BMC Gastroenterology*. The authors have no commercial associations or sources of support that might pose a conflict of interest. All authors have made substantive contributions to the study, and all authors endorse the data and conclusions.

We hope you find the manuscript acceptable for publication and look forward to hearing from you in due course.

Sincerely,

Hirohito Mori, M.D
Department of Gastroenterology and Neurology,
Faculty of Medicine, Kagawa Medical University Japan
Email: hiro4884@med.kagawa-u.ac.jp