Reviewer's report

Title: Digital image analysis is helpful in diagnosing gastric mesenchymal tumors

Version: 1 Date: 6 December 2013

Reviewer: Masayuki Kitano

Reviewer's report:

This article reports usefulness of objective (quantitative) analyses for diagnosis of gastric mesenchymal tumors. The content of the manuscript is well written with detailed methods and appropriate analyses of outcomes. The strength of this article is the first report about utility of rational measurements of parameters of EUS images for gastric mesenchymal tumors. The weakness of this article is retrospective analyses of recorded images.

1. (Title) Authors should include this report is about image analysis of “EUS” in the title.
2. Standardization in this article is skillful using anechoic center and outer hyperechoic rim in the recorded images. Ideal standardization should be an unified setting of ultrasonography, including gain, contrast, frequency and so on, in the prospective study. Authors should discuss this.
3. Authors should describe the detail of the unit of brightness (Tmean and TSD). Is the maximum value is 130 or 100? Is the minimum value is 0?

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.