Reviewer’s report

Title: Two cases of granuloma mimicking local recurrence after pulmonary segmentectomy

Version: 0 Date: 17 Nov 2019

Reviewer: Peter Kneuertz

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Okazaki and colleagues present two interesting cases of patients undergoing re-operative resection for FDG positive lesions following lung cancer resection. In both cases, the hyper metabolic lesions were negative for malignancy and showed granulomatous lesions possibly associated with The PGA staple reinforcement sheets used during the initial lung resection. I hope the authors could further improve the manuscript by addressing the following comments/questions:

- The formation of granulomas in response to PGA sheet is very interesting. Can you elaborate on the proximity of the granulomatous lesions with the staple line and PGA sheets on imaging and intraoperatively? Was there a pathological correlate to PGA sheets on the re-resection specimen? Also, were infectious etiologies of granulomas exuded?

- Please explain the decisions to pursue or not pursue tissue conformation of recurrence prior to re-resection, given the morbidity of at least one of the described cases.

- It would be immensely interesting for the reader to know the denominator of true positive and false-negative disease following re-operative lung resection following resection of early stage lung cancer. Can you provide this data from your institution?

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