

Peer Review File

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Reviewer A

Comment 1: The cystic mass seems to be close to the esophagus and aorta in the Figure 1A. Please explain if a thoracic duct could have been found intraoperatively or by postoperative video inspection? Could the authors comment on whether the injured lymphatic vessel showing chyle leak was a thoracic duct or not? This information would be useful.

Reply 1: We appreciate you for the time taken to review our manuscript. We also thank you for this important suggestion. We could not find a thoracic duct intraoperatively or by postoperative video inspection. Therefore, we determined that the injured lymphatic vessel was not the thoracic duct itself.

Changes in the text: We have added this information to the manuscript (see Page 7, lines 103-105).

Comment 2: In literature (Asian J Endosc Surg. 2016; 9: 322-324), the authors reported that oral intake of fat-rich ice cream 2 h before surgery ensured the collaterals of the thoracic duct, resulting in prevention of chylothorax. Other literature states a thoracic duct is partially duplicated; the two parts then join to form a single vessel that drains into the left jugulosubclavian angle. I would suggest that the authors refer to such reports.

Reply 2: We thank you for raising this issue. We cited previous studies (including the report you provided (Asian J Endosc Surg. 2016; 9: 322-324)) in which surgery for chylothorax was performed following preoperative oral administration of dairy products. We also discussed the timing of oral administration of dairy products and types of dairy products in the Discussion section. In addition, we described the variations in the thoracic duct (e.g., multiple ducts) in the Discussion section.

Changes in the text: We have added this information to the manuscript (see Page 9, lines 144-151, and Page 10, lines 156-159)

Comment 3: I would recommend that the authors mention the authors' conclusion such as "preoperative dairy products contributed to prevention of postoperative chylothorax" in Key findings of Highlight Box.

Reply 3: We thank you for this helpful suggestion. We added the sentence "Preoperative oral administration of dairy products contributed to prevention of postoperative chylothorax" to the Key findings of the Highlight Box.

Changes in the text: We have added this sentence to the manuscript (see Page: 5, Highlight Box).

Reviewer B

Comment 1: Optimize the title; in the present way it seems that ice cream prevents chylothorax while it helps in finding the chylous leak thus preventing chylothorax; I would suggest "Intraoperative chylous leak diagnosis by pre-operative oral administration of ice cream "

Reply 1: We appreciate you for the time taken to review our manuscript. We also thank you for this helpful suggestion. We changed the title from "Prevention of chylothorax by oral administration of ice cream before mediastinal tumor surgery: a case report" into "Intraoperative chylous leak diagnosis by preoperative oral administration of ice cream: a case report".

Changes in the text: We have changed the title (see Page: 1, lines: 2-3).

Comment 2: Try to define timing (how many hours before surgery) and quantity of fat (grams of fat/kg patient) through literature search, to offer the reader a clear indication about how to use your suggestion.

Reply 2: We thank you for this important suggestion. We added a summary of previous literatures regarding the timing of preoperative administration of dairy products and types of dairy products to the Discussion section. To the best of our knowledge, although there are specific reports regarding the timing of preoperative oral administration of dairy products, there are no specific descriptions regarding the quantity of fat in dairy products. Therefore, it is difficult to define a clearer indication about the dosage of dairy products. Accumulation of case reports is warranted.

Changes in the text: We added the sentences (see Page 9, lines 144-151).