



# Endoscopic transoesophageal fine-needle aspiration with convex probe bronchoscope for diagnosis of coeliac lymphadenopathy

To the Editor:

Endoscopic transoesophageal fine-needle aspiration with a convex probe bronchoscope (EUS-B-FNA) is a complementary technique to endobronchial ultrasound (EBUS)-guided transbronchial needle aspiration (TBNA) for the staging of mediastinal lymph nodes [1]. The safety and feasibility of EUS-B-FNA for sampling pulmonary parenchymal lesions and adrenal lesions has been reported [2, 3]. Recent literature also suggest a role for EUS-B-FNA in the diagnosis of infective lymphadenitis [4]. Here we present two cases of successful sampling of coeliac lymph nodes to further extend the utility of EUS-B-FNA in the assessment of patients with suspected or confirmed lung cancer. Localisation of nodes during the procedure did not involve fluoroscopy and relied upon linear EBUS guidance. Sampling was successfully performed with a 22-G TBNA needle.

A 79-year-old female was referred for assessment after computed tomography of the chest revealed a 9 mm left upper lobe (LUL) spiculated nodule (case 1). Positron emission tomography (PET) demonstrated increased fluorodeoxyglucose (FDG) avidity in the LUL nodule, as well as in subcarinal and coeliac axis lymph nodes (figure 1a). The procedure was uncomplicated and both subcarina and coeliac axis lymph nodes confirmed adenocarcinoma.

An 18-year-old female with a past history of nodular sclerosing Hodgkin lymphoma (HL) underwent surveillance PET, which demonstrated mild FDG avidity in subcarina and extensive uptake in intra-abdominal lymph nodes (case 2) (figure 1b). Linear EBUS demonstrated only mildly enlarged rounded lymph nodes at the left carina, corresponding with the site of FDG avidity, and lymph nodes were visualised in the para-aortic region (figure 1c). Sampling was uncomplicated and confirmed recurrent HL.

Endoscopic ultrasound is an established and reliable method of detecting coeliac lymph node metastases [5, 6]. Our experience demonstrates the safety and feasibility of coeliac axis lymph node sampling *via* EUS-B-FNA, confirming the sole prior report describing EUS-B-FNA for accurate sampling of coeliac lymph nodes [7]. It also further supports the clear utility of EUS-B-FNA in extending the capacity of pulmonologists to sample suspicious lesions in patients with suspected or known malignancy. This supports the greater uptake of the procedure among interventional pulmonologists, where safe performance of EUS-B-FNA has been demonstrated [8]. These two cases further reinforce EUS-B-FNA as a feasible and accurate technique for diagnosis of extra-thoracic lesions.



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**EUS-B-FNA is a feasible and accurate technique for diagnosis of extrathoracic lesions** <https://bit.ly/34TFMR8>

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**FIGURE 1** Positron emission tomography scan illustrating fluorodeoxyglucose-avid coeliac lymph nodes (arrows) for case a) 1 and b) 2. c) Para-aortic lymph nodes were visualised by endoscopic transoesophageal fine-needle aspiration with a convex probe bronchoscope.

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