Intraoperative imaging of lymphatic vessel using ultra high-frequency ultrasound

Dear Sir,

Lymphaticovenular anastomosis (LVA) is effective and minimally invasive treatment for refractory lymphedema.\(^1\)\(^2\) Isoechoic texture in axial scan (Figure 2). The former type was found in predominantly less sclerotic lymphatic vessels, and the latter type was found in predominantly sclerotic lymphatic vessels.

The present proof-of-concept study was conducted to reveal the new capabilities for detection of the lymphatic vessels intraoperatively during LVA using ultra high-frequency ultrasound. First, from the results of this study, this advanced ultrasound showed unprecedented clear image of the lymphatic vessels in all operative sites, even with the vessels with diameters smaller than 0.3 mm. Most surgeons assess

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