**Supplementary figure 2.** Endoscopic appearance of a full regenerated esophageal scaffold with normal mucosa and visible residual stitch material (A), endoscopic appearance after esophageal dilatation (B).

**Supplementary figure 1.** Surgical implantation of the tubular microperforated esophageal scaffold. (A) Upper anastomosis. (B) Lower anastomosis. (C) Pleura.