A 10-year-old boy accidentally ingested drain cleaner (15% NaOH solution; pH 12.5) from a bottle. He vomited and developed dysphagia and retrosternal pain. Endoscopy showed major circumferential ulcerations (grade IIb) [1]. Follow-up endoscopy after 4 weeks showed a stenosis at the mid esophagus, allowing passage of a neonatal endoscope (diameter 4.9 mm). A self-expandable, biodegradable SX-Ella esophageal stent (diameter 25 mm, length 80 mm; Ella-CS, s.r.o., Hradec Králové, Czech Republic) was inserted 6 weeks after the ingestion with the patient under anesthesia (“Fig. 1”). Retrosternal pain, dysphagia, and nausea occurred for a few days. About 10 days later, the boy became asymptomatic. During all this time, oral omeprazole (20 mg/day) was given. Further follow-up endoscopy after 3 weeks showed that the distal end of the stent had extended into the stomach (“Fig. 2”). About 12 weeks after insertion, the stent was 50% degraded. At that time, the esophageal mucosa had healed. Although the patient remained symptom-free for 4 months, he developed a severe distal esophageal stenosis over 4 cm about 10 months after the initial ingestion and 6 months after the stent placement.

Strictures typically develop during proliferation of fibroblasts, with deposition of collagen after 1–3 months. Stenting, which has been performed for more than 20 years, provides a better outcome than dilation (68% healing versus 33%) [2,3]. Poor patient compliance and gastroesophageal reflux resulting from esophageal shortening during scar formation were the reasons for failure [3]. In another reported series 8 out of 11 patients had a normal feeding pattern, even after stent removal (follow-up 3.5 years) [4]. Self-expanding stents are easily introduced and are removed endoscopically. Common complications of these stents are chest pain, dysphagia, and nausea [5]. Recently, biodegradable stents were developed which maintain their integrity and radial force for 6–8 weeks. Disintegration occurs 11–12 weeks after insertion. The SX-Ella esophageal degradable BD Stent should be further evaluated as first-choice intervention in patients developing a corrosive esophageal stenosis.

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