A 77-year-old man was admitted with an acute cerebral infarct for which he was started on low-molecular-weight heparin and antiplatelets on admission. He had no history of hematemesis or melena; however, his nasogastric tube showed the presence of altered blood.

He had a significant history of massive hematemesis 4 years previously, for which he underwent emergency coil embolization of the gastroduodenal artery following a failed attempt at endoscopic hemostasis. He was readmitted 2 years later with a pontine infarct, and an esophagogastroduodenoscopy (EGD) showed protrusion of the coil into the duodenum (Fig. 1). A contrast computed tomography (CT) scan of the abdomen showed metallic coils occluding the gastroduodenal artery, and a portion of the coil projected focally and endoluminally through the medial wall of the first part of the duodenum (Fig. 2).

During the present admission, an EGD showed a deformed coil protruding through the anterior wall of the duodenum, and an adjacent clean-based ulcer <0.5 cm in size (Fig. 3). Abdominal radiograph showed the presence of two coils in the abdomen, one of which was partially deformed (Fig. 4). The patient was managed conservatively with intravenous proton pump inhibitors. As he had no overt gastrointestinal bleeding or drop in hemoglobin level, an angiography or contrast CT was not performed.

When endoscopy and medical management fails, interventional embolotherapy is not only a good alternative to surgery but is now considered to be the therapy of choice [1]. Migration of the coil is a very rare but known complication, with some coils even being passed per rectum [2–5]. Fortunately in this case, the migration was only local, self-limiting, and apparently nonprogressive. It is unclear, however, whether the ulcer and bleed were caused by the coil or were due to the use of antiplatelet drugs. Patients undergoing coil embolization should therefore be carefully followed up periodically for any such delayed complications.

Competing interests: None

Fig. 4 Abdominal radiograph during the present admission, showing two coils, one of which was deformed (black arrow).

Mohandas Naveen et al. Endovascular coil migration and upper GI bleed ... Endoscopy 2015; 47: E389–E390

Bibliography
DOI http://dx.doi.org/10.1055/s-0034-1392505
Endoscopy 2015; 47: E389–E390
© Georg Thieme Verlag KG
Stuttgart · New York
ISSN 0013-726X

Corresponding author
Naveen Mohandas, MD, MRCP(UK), DM
Department of Gastroenterology
PSG Institute of Medical Science and Research
Peelamedu, Coimbatore
Tamil Nadu
India 641004
Fax: +91-42-22594400
naveenmd212@gmail.com