We report here on five cases of bleeding gastrointestinal malignant tumors treated by spraying N-butyl-2-cyanoacrylate (Histoacryl) on the lesion with satisfactory results (Table 1). The first case was a 84-year-old man who presented with recurrent upper gastrointestinal bleeding since a few days. Esophagogastroduodenoscopy (EGD) revealed a 5-cm gastric cancer at the lesser curvature with oozing. Epinephrine (1:20000) was injected into the tumor to slow down the bleeding, following which Histoacryl (cyanoacrylate 0.5 mL with Lipiodol 0.8 mL per aliquot) was sprayed via a 23-G needle catheter (InterjectTM, Boston Scientific, Massachusetts, USA) over the tumor surface, followed by sterile water until hemostasis was achieved. The patient had no overt bleeding at 9 weeks after the procedure. The second case was a 76-year-old woman with cryptogenic cirrhosis who presented with recurrent lower gastrointestinal bleeding. Colonoscopy revealed a 5-cm sessile polyp in the ascending colon with oozing. Epinephrine was injected and Histoacryl sprayed using the same technique as described above, and the bleeding stopped. The third case was a 15-year-old boy with metastasizing germinoma with tumor invasion of the second portion of the duodenum. The bleeding was stopped using the same technique again. The patient had recurrent bleeding 48 h later, which was successfully stopped by angio-embolization. The fourth case involved a 56-year-old man with pancreatic...
mass and gastric wall invasion. EGD showed a 6-cm ulcerating mass with oozing in the upper part of the lesser curvature (Fig. 2, 3). A metal clip was applied at the bleeding site but failed to stop it. Therefore, Histoacryl was sprayed and the bleeding stopped (Fig. 4). Lastly, a 62-year-old woman, a known case of advanced ampullary carcinoma invading the second portion of the duodenum, was referred for EGD after failed epinephrine injection, argon plasma coagulation (APC), and angio-embolization. Histoacryl spray was again used to stop the bleeding. In our experience, the use of Histoacryl spray for initial hemostasis of bleeding tumors led to impressive results, with a low risk of immediate and delayed recurrent bleeding after the procedure. The procedure itself was easy to carry out and without complications. No special techniques or equipment were required. Therefore, in our opinion, this technique might be suitable as a bridging therapy for bleeding tumors after other failed interventions, but not as the primary method of treatment.

Endoscopy_UCTN_Code_TTT_1AQ_2AZ
Endoscopy_UCTN_Code_TTT_1AO_2AD

**Competing interests:** None

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Endoscopy 2011; 43: E227 – E228
© Georg Thieme Verlag KG Stuttgart · New York · ISSN 0013-726X

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