A 64-year old woman presents to the ER with melena and coffee-ground emesis for the past 3 days. The upper endoscopy is performed, and she is found to have a 1.5 cm ulcer with a visible vessel in the duodenal bulb that is actively oozing. What is the best treatment option?

A. Inject 1:10,000 epinephrine until it stops bleeding
B. Place a clip on the visible vessel
C. Inject 1:10,000 epinephrine and apply thermal therapy (i.e. bicap)
D. Send to surgery

Answer: C

Current guidelines recommend thermal therapy or epinephrine plus a second modality (such as thermal therapy) are preferred over use of clips or a sclerosant alone to achieve initial hemostasis. Surgery is unlikely to be needed in this case as the bleeding can likely be managed endoscopically. However, if the ulcer continues to bleed despite endoscopic treatment, surgery may then be needed.