Taking a Closer Look at Gastritis

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Figure 1 Conventional endoscopic view of the prepyloric region of the stomach, showing a well-circumscribed area of reddened mucosa which was interpreted as “antral gastritis”.

Figure 2 The same region visualised using a high-resolution zoom endoscope (Olympus GIF-Q240Z; Olympus Optical Co. Ltd., Tokyo, Japan) with distal cap attachment and the Lucera system video endoscopy processor (Olympus CV-260). This equipment provides the advanced features of adaptive index of haemoglobin (IHb) colour and structural enhancement, which emphasises subtle chromatic alterations in the mucous membrane. We visualised coillike capillary loops of normal antral mucosa (white arrows, upper left), a clear demarcation line between cancerous and noncancerous mucosa (black arrows), and a leash of irregular vessels suggestive of neovascularisation and angiogenesis secondary to dysplasia (grey arrows). Targeted biopsies were obtained and histological examination revealed high-grade dysplasia.