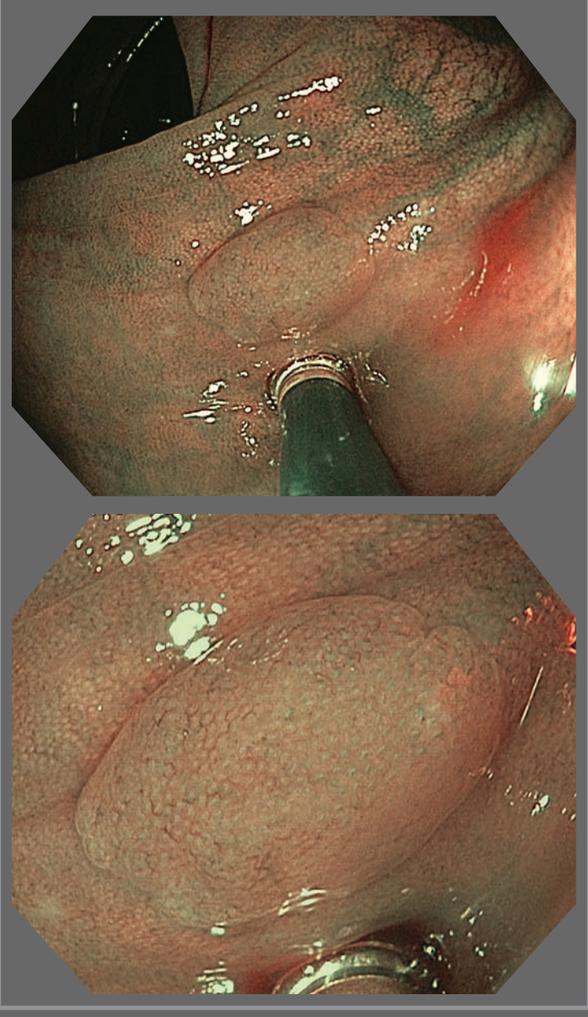
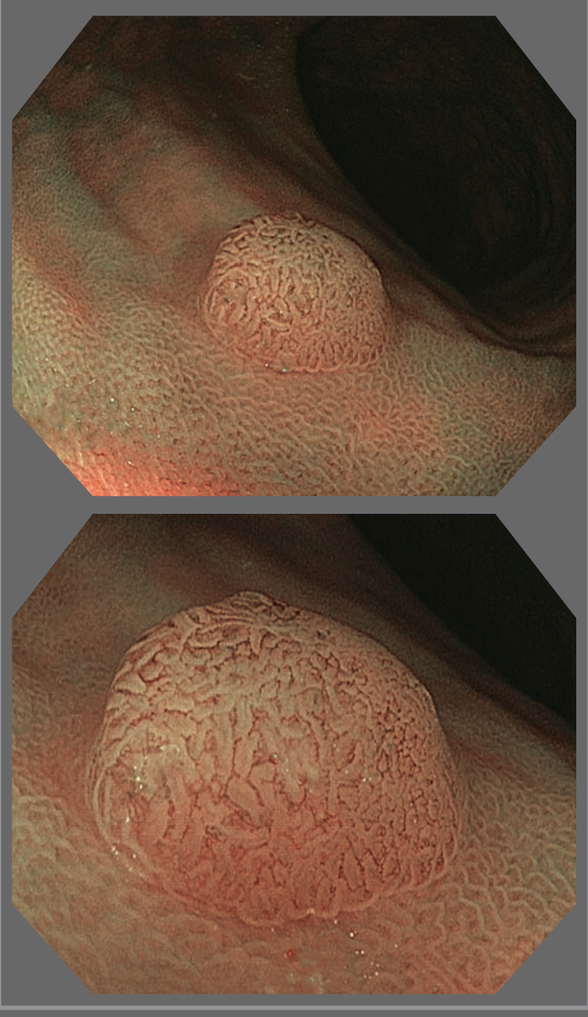
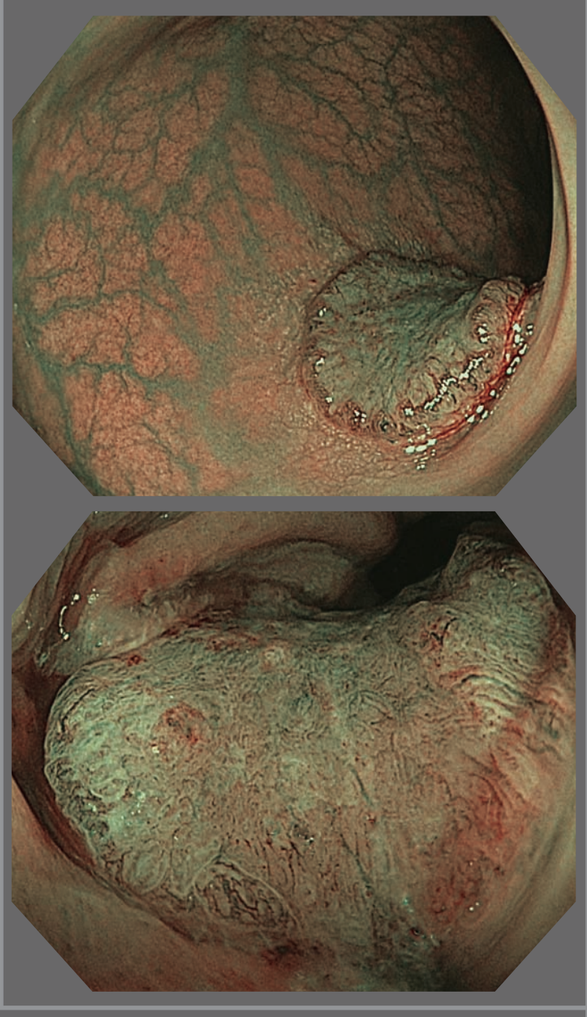
NICE Classification

	Type 1	Type 2	Type 3
Color	Same or lighter than background	Browner relative to background (verify color arises from vessels)	Brown to dark brown relative to background; sometimes patchy whiter areas
Vessels	None, or isolated lacy vessels coursing across the lesion	Brown vessels surrounding white structures*	Has area(s) of disrupted or missing vessels
Surface pattern	Dark or white spots of uniform size, or homogeneous absence of pattern	Oval, tubular or branched white structures* surrounded by brown vessels	Amorphous or absent surface pattern
Most likely pathology	Hyperplastic	Adenoma**	Deep submucosal invasive cancer
Sample image			

This classification can be applied using colonoscopes both with or without optical (zoom) magnification.

* These structures (regular or irregular) may represent the pits and the epithelium of the crypt opening.

** Type 2 consists of Vienna classification types 3, 4 and superficial 5 (all adenomas with either low or high grade dysplasia, or with superficial submucosal carcinoma). The presence of high grade dysplasia or superficial submucosal carcinoma may be suggested by an irregular vessel or surface pattern, and is often associated with atypical morphology (e.g., depressed area).

Validation of a Simple Classification System for Endoscopic Diagnosis of Small Colorectal Polyps Using Narrow Band Imaging
Gastroenterology, Volume 143, Issue 3, Page 599-607.e1, September 2012
David G. Hewett[1,2], Tonya R. Kaltenbach[3,4], Yasushi Sano[5], Shinji Tanaka[6], Brian P. Saunders[7], Thierry Ponchon[8], Roy M. Soetikno[3,4] and Douglas K. Rex[1]

[1] Indiana University Hospital, Indianapolis, Indiana; [2] The University of Queensland School of Medicine, Brisbane, Australia; [3] Veterans Affairs Palo Alto Health Care System, Palo Alto, California; [4] Stanford University School of Medicine, Stanford, California; [5] Sano Hospital, Kobe, Japan; [6] Hiroshima University, Hiroshima, Japan; [7] Wolfson Unit for Endoscopy and Imperial College London, St. Marks Hospital, London, United Kingdom; [8] Hôpital Edouard-Herriot, Lyon, France

Endoscopic prediction of deep submucosal invasive carcinoma: validation of the Narrow-Band Imaging International Colorectal Endoscopic (NICE) classification
Gastrointestinal Endoscopy, 2013 July 30, Epub ahead of print
Nana Hayashi[1], Shinji Tanaka[1], David G. Hewett[2], Tonya R. Kaltenbach[3], Yasushi Sano[4], Thierry Ponchon[5], Brian P. Saunders[6], Douglas K. Rex[7], Roy M. Soetikno[3]

[1] Hiroshima University Hospital, Hiroshima, Japan; [2] University of Queensland School of Medicine, Australia; [3] Veterans Affairs Palo Alto Health Care System, Palo Alto, California; [4] Sano Hospital, Hyogo, Japan; [5] Hôpital Edouard-Herriot, Lyon, France; [6] St. Mark's Hospital, London, United Kingdom; [7] Indiana University, Indianapolis, Indiana, USA

- **NICE stands for NBI International Colorectal Endoscopic.**
- **NBI is available in both EVIS EXERA II and EVIS EXERA III .**

F0390E0-092013