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Retrospective study

Accuracy of computed tomography in nodal staging of colon cancer patients

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Abstract

AIM: With growing interest in neoadjuvant chemotherapy (NCT) for stage III disease, we aimed to predict node-positive disease in colon cancer using computed tomography (CT).

METHODS: AJCC stage I-III colon cancer patients who underwent curative-intent colectomy between 2007-2010 were identified at a single comprehensive cancer center. All patients had preoperative CT scans with original radiology reports from referring institutions. CT images underwent blinded secondary review by a surgeon and a dedicated abdominal radiologist at our institution to identify pericolic lymph nodes (LNs). Comparison of outside CT reports to our independent imaging review was performed in order to highlight differences in detection in actual clinical practice. CT reviews were compared with final pathology. Results of the outside radiologist review, secondary radiologist review, and surgeon review were compared with the final

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