An Integrated Approach to CTC Review and Report with Assistive CAD
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Introducing NeatCTC:
NeatCTC is a purpose built CTC reading system, designed from the ground up to provide maximum simplicity, efficiency, and flexibility in the reading and reporting of CT Colonography scans. It incorporates an advanced, automated analysis engine to assist the radiologist in the task of screening patients for colonic polyps and associated pathologies.

CAD Engine:
NeatCTC incorporates a multi-stage analysis engine, performing automatic colon segmentation, candidate surface extraction, and feature extraction and classification. In extensive tests using Mater and Walter Reed databases of CTC exams, acquired at standard and low dose radiation levels, the system has performed at sensitivities of 100% for polyps larger than 10mm, 92% for polyps in the range 5 to 10 mm, and 57% for polyps smaller than 5mm, with an average of 3.38 false positives per dataset.

Gain easy access to system controls and tagged findings via the three Review Pane control tabs
Jump directly to any tagged feature, in all orthogonal views, by clicking either in the feature list, or on the marked feature in any view

References:
- T Chowdhury, PF Whelan, O Ghita (2007), "A fully automatic cad-ctc system based on curvature analysis for standard and low dose ct data", IEEE Transactions on Biomedical Engineering

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