Diagnostic Methods for Colon Cancer: Exploring Colonoscopy and CT Colonography

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Abstract

Colon cancer is a prevalent and potentially deadly disease that can often be e ectively treated if detected early. Two common diagnostic methods for colon cancer screening are colonoscopy and CT colonography, also known as virtual colonoscopy. Colonoscopy involves the insertion of a þexible tube called a colonoscope equipped with a camera into the colon to visualize the inner lining and detect any abnormalities such as polyps or tumors. CT colonography, on the other hand, utilizes computed tomography (CT) scanning to create detailed images of the colon, providing a virtual 3D view that can be examined for signs of cancerous growths. Both procedures have their advantages and limitations, and the choice between them depends on various factors such as patient preference, medical history, and the availability of resources. This abstract provides an overview of the diagnostic process for colon cancer using colonoscopy and CT colonography, highlighting their respective features and importance in the early detection and management of this disease.

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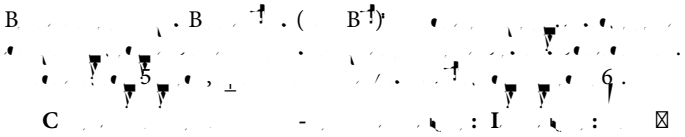
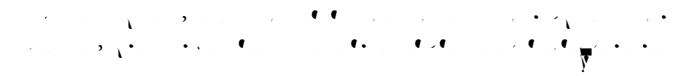
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