



Licensing Opportunity

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Diagnostic Test for Inflammatory Bowel Diseases

Background

Inflammatory bowel disease (IBD) is an autoimmune disorder resulting in the inflammation of the intestinal tissue. It is grouped into two types: ulcerative colitis (UC), which affects the mucosal lining of the large intestine; and Crohn's disease (CD), which affects the entire intestine. IBD patients also have an increased risk of developing colon cancer. Diagnosing IBD is difficult, especially when the tissue does not appear to be inflamed upon examination. To assist in diagnosis, University of Central Florida researchers have developed a novel test involving polyamines.

UCF's technology demonstrates a correlation between high levels of polyamines and the presence of IBD. This technology can be developed into a diagnostic test for early detection of IBD. The test would use a small amount of blood, instead of the traditional tissue biopsy, to detect IBD and may potentially prevent its progression into colon cancer.

Application

Diagnostic test to detect IBD.

Invention

The current invention demonstrates that high levels of polyamines are indicative of the presence of IBD.

Advantages

- Early detection of IBD
- Less invasive testing

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