

14th Euro-Global Gastroenterology Conference: Association between LINC00657 and miR-106a serum expression levels and susceptibility to colorectal cancer, adenomatous polyposis and ulcerative colitis in Egyptian population - Essam Soliman - Fayoum University

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Colorectal cancer (CRC) represented the second cause of mortality among cancer patients. Long noncoding RNAs and microRNAs (miRNAs) serve as non-invasive biomarkers for CRC surveillance and introduce new therapeutic approaches. LINC00657 and miR-106a expression levels play a pivotal role in CRC. This study included 190 Egyptian subjects and the expression levels of LINC00657 and miR-106a in serum were measured by using quantitative real-time polymerase chain reaction. We found that upregulation of LINC00657 and downregulation of miR-106a are significantly associated with the development of CRC. Also, a positive correlation was detected between their serum levels. In addition, serum LINC00657 can distinguish adenomatous polyposis (AP) patients and/or ulcerative colitis (UC) patients from controls. Also the miRNA-106a expression level discriminates AP but not UC from healthy individuals. Our study cited new diagnostic biomarkers for CRC, AP and UC among Egyptians in addition to be non-invasive screening tools for CRC in both healthy subjects and those having precancerous lesions.

Signs and manifestations of colon malignancy include: A tenacious change in your inside propensities, remembering looseness of the bowels or blockage or a change for the consistency of your stool. Rectal draining or blood in your stool. Diligent stomach inconvenience, for example, issues, gas or agony. An inclination that your inside doesn't void totally.

The specific reason for colorectal malignant growth isn't known, yet certain hazard factors are unequivocally connected to the illness, including diet, tobacco smoking and substantial liquor use. Likewise, individuals with certain inherited malignant growth conditions or a family ancestry of colorectal malignant growth have a high danger of building up the malady. For colon malignant growth, the general 5-year endurance rate for individuals is 63%. In the event that

the malignancy is analyzed at a limited stage, the endurance rate is 90%. In the event that the malignant growth has spread to encompassing tissues or organs as well as the local lymph hubs, the 5-year endurance rate is 71%. Colon malignancy is the second most lethal type of disease after lung disease. Be that as it may, it's perhaps the simplest infection to distinguish, and in its soonest arranges, it's likewise one of the most treatable. On the off chance that you've been determined to have colon malignancy, or in case you're in danger for the sickness, it's an ideal opportunity to master all that you can. You should pay special mind to red or dim shaded stools, it said. Brilliant red crap might be brought about by new blood. ... "Blood structure higher up in the gut goes dim red or dark, and can make your stools look like tar. "This kind of draining can be an indication of inside disease. Colorectal malignancy (CRC), otherwise called inside disease, colon malignancy, or rectal disease, is the improvement of malignant growth from the colon or rectum (portions of the internal organ). A malignant growth is the irregular development of cells that can attack or spread to different pieces of the body. Familial adenomatous polyposis (FAP) is an autosomal predominant acquired condition in which various adenomatous polyps structure primarily in the epithelium of the internal organ. While these polyps begin kindhearted, dangerous change into colon disease happens when they are left untreated. Transformations in specific qualities can make cells keep partitioning in any event, when new cells aren't required. In the colon and rectum, this unregulated development can make polyps structure. Polyps can grow anyplace in your internal organ. There are two primary classifications of polyps, non-neoplastic and neoplastic. Patients with FAP are in danger of biting the dust from numerous favorable and dangerous tumors, from careful complexities, and comorbid infections. We recently assessed and distributed

reasons for death in FAP patients in 1990. greasy nourishments, for example, seared food sources. red meat, for example, hamburger and pork. handled meat, for example, bacon, wiener, franks, and lunch meats are the nourishments cause polyyps.

Ulcerative colitis is an incendiary inside sickness (IBD) that causes durable irritation and ulcers (injuries) in your stomach related tract. Ulcerative colitis influences the deepest covering of your digestive organ (colon) and rectum. Colitis alludes to aggravation of the inward covering of the colon. There are various reasons for colitis including contamination, fiery gut illness (Crohn's infection and ulcerative colitis are two sorts of IBD), ischemic colitis, hypersensitive responses, and minuscule colitis. Ulcerative colitis is a long lasting condition that you need to oversee, as opposed to a dangerous sickness. In any case, it's a genuine malady that can cause some perilous difficulties, particularly in the event that you don't get the correct treatment. Ulcerative colitis is one type of incendiary inside infection (IBD). Stool-related side effects of ulcerative colitis include: the runs. bleeding stools that might be brilliant red, pink, or dawdle. earnest defecations. Meat can likewise be difficult for her to process, and she says she attempts to confine popcorn and liquor too.

A portion of her preferred nourishments for ulcerative colitis incorporate sides and servings of mixed greens like avocado-feta salsa and broccoli slaw, which she says are light and simple to make. Without treatment, indications can deteriorate, and the irritation may spread further along the colon, which can prompt entanglements. In individuals with ulcerative colitis, an overactive invulnerable framework assaults the covering of the colon, causing ulcers and aggravation. Indications commonly include: visit the runs. Albeit both Crohn's ailment and ulcerative colitis are interminable sicknesses, UC might be considered "more terrible," as individuals with broad and extreme ulcerative colitis may require medical procedure. Colitis implies your colon is aggravated, or bothered. This can be brought about by numerous things, for example, contaminations like food contamination. Ulcerative colitis is progressively serious in light of the fact that it causes injuries in your colon, can

influence both the colon and rectum, and can be long lasting.

In current clinical science, there is no perpetual therapeutic and safe treatment for this infection. This examination can be useful for decreasing the need of steroids and careful procedures in the patients of ulcerative colitis. A clinical investigation of 43 patients of ulcerative colitis has been directed at the O.P.D. Ready bananas and canned organic products: Although dietitians by and large suggest that individuals dodge crude natural products during a flare, ready and delicate bananas are frequently very much endured. Bananas are likewise a decent wellspring of sugars, which, alongside protein and fats, give vitality.