

6
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Observational Study

Clinical value evaluation of serum markers for early diagnosis of colorectal cancer

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Abstract

BACKGROUND

Early screening for colorectal cancer (CRC) is important in clinical practice. However, the currently methods are inadequate because of high cost and low diagnostic value.

AIM

We aimed to develop a new examination method based on the serum biomarker panel for the early detection of CRC.

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In our departments, the routine preoperative evaluation protocol consisted of clinical examination, colonoscopy, abdominal computed tomography, chest radiography, and determination of serum cea and ca 19-9, but we evaluated only preoperative tumour marker concentrations in relation to various colorectal cancer variables. Of the 131 patients, 36 had an incomplete colonoscopy because of ...

Cited by: 18

Author: E. Polat, U. Duman, M. Duman, A.E. Ati...

Publish Year: 2013

A Combination of Serum Markers for the Early Detection of ...

<https://clincancerres.aacrjournals.org/content/16/24/6111> ▾

Dec 15, 2010 · We evaluated markers and marker combinations in serum as an alternative to improve the detection of CRC. Experimental Design: Using penalized logistic regression, 6 markers were selected for evaluation in 1,027 samples (301 CRC patients, 143 patients with adenoma, 266 controls, 141 disease controls, and 176 patients with other cancer).

Cited by: 129

Author: Norbert Wild, Herbert Andres, Wolfgang ...

Publish Year: 2010

Evaluation of Serum CEA, CA19-9, CA72-4, CA125 and ...

<https://www.nature.com/articles/s41598-018-21048-y>

Feb 09, 2018 · Other serum markers such as cancer antigen 19-9 (CA19-9), cancer antigen 125 (CA125), cancer antigen 72-4 (CA72-4), serum ferritin (SF) have also been used as the indicators for CRC diagnosis and for post-operative surveillance, as well as monitoring treatment effects.

Cited by: 10

Author: Yanfeng Gao, Jinping Wang, Yue Zhou, S...

Publish Year: 2018

Evaluation of serum CEA, CYFRA21-1 and CA125 for the early ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4506388>

Jul 14, 2015 · Background: Blood-borne biomarkers for early detection of colorectal cancer (CRC) could markedly increase screening uptake. The aim of this study was to evaluate serum carcinoembryonic antigen (CEA), CYFRA21-1 and CA125 for the early detection of CRC in an asymptomatic cohort.

Cited by: 28

Author: DS Thomas, EO Fourkala, S Apostolidou...

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Branch retinal artery occlusion (BRAO) and **branch retinal vein occlusion** (BRVO) rarely cause **neovascular glaucoma** (NVG). A 58-year-old woman with hypertension and type 2 diabetic mellitus complained of progressive visual loss in her right eye for the previous 3 months. At initial examination, visual acuity was 20 / 63 in the right eye.

Cited by: 4

Author: Tae-Su An, Soon-Il Kwon

Publish Year: 2013

Neovascular Glaucoma Associated with Cilioretinal Artery ...

<https://www.sciencedirect.com/science/article/pii/S0021515501004865>

Background: Cilioretinal **artery occlusion** rarely results in **neovascular glaucoma**, especially in cases of extensive cilioretinal infarction and combined **retinal vascular occlusion**. **Case:** A 62-year-old man with diabetes mellitus and essential hypertension showed a visual acuity of counting fingers, **retinal** whitening temporal to the optic disc with mild dilation and tortuosity of the **retinal** ...

Neovascular Glaucoma After Branch Retinal Artery Occlusion ...

<https://link.springer.com/article/10.1007/s10384-004-0223-3>