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Prospective Study

Risk prediction rule for advanced neoplasia on screening colonoscopy for average-risk individuals

Ala I Sharara, Ali El Mokahal, Ali H Harb, Natalia Khalaf, Fayez S Sarkis, Mustapha M El-Halabi, Nabil M Mansour, Ahmad Malli, Robert Habib

Abstract

BACKGROUND

In resource-limited countries, risk stratification can be used to optimize colorectal cancer screening. Few prospective risk prediction models exist for advanced neoplasia (AN) in true average-risk individuals.

Match Overview

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*In summary, we identified 17 **risk scores** for **prediction** of **advanced** neoplasms that were derived in **average-risk** populations. Commonly included **risk** factors comprise age, sex, FH in FDR, BMI and smoking. Only 7 models showed at least modest discriminatory power in internal or external validation.*

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A Risk Prediction Index for Advanced Colorectal Neoplasia ...

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*A simple 5-item **risk** index based on readily available clinical data accurately stratifies **average-risk** patients into low- and intermediate/high-risk categories for ACN at **screening colonoscopy**. Uptake into clinical practice could facilitate more effective shared decision-making for CRC **screening**, particularly in situations where patient and ...*

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*Feb 10, 2012 · In view of these limitations, we sought to develop and validate a new **clinical prediction rule** to **stratify risk for advanced neoplasms in average-risk** individuals. This **prediction rule** could be used as a guide for identifying a **high-risk** subgroup more suitable for examination with **colonoscopy** as a primary **screening test**.*

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neoplasia [AN= adenoma \geq 1cm, presence of villous histology, **high grade dysplasia** or cancer] in individuals \geq 50 years. Corresponding prospective data in an **average-risk Middle Eastern** population has not been reported. Aims: To determine the prevalence of AN at **screening colonoscopy** in a prospective Lebanese population, and to develop a **risk prediction rule** based on AN **predictor risk factors**.

A risk prediction tool for colorectal cancer screening: a ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7045431>

Feb 26, 2020 · However, some European countries (e.g., Poland and Germany) **screen** primarily with **colonoscopy**, as is done in the U.S. The **risk prediction** tool may have greater utility in these countries, as it would identify a sizeable subgroup with **low risk for advanced neoplasia** for which **screening** with FIT would be most appropriate.

A Risk Prediction Index for Advanced Colorectal Neoplasia ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4705553>

Risk stratification for advanced colorectal neoplasia (ACN) might facilitate more effective shared decision-making when selecting an **appropriate screening** option. Our objective was to develop and validate a **clinical index** for **estimating the probability ACN at screening colonoscopy**.

Cited by: 18

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Publish Year: 2015

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Cited by: 75**Author:** Quan-Cai Cai, En-Da Yu, Yi Xiao, Wen-Y...**Publish Year:** 2012

[Risk Stratification for Colon Neoplasia: Screening ...](#)

<https://www.sciencedirect.com/science/article/pii/S0016508506017549>