Colorectal Cancer in Egypt: Clinical, Life-Style, and Socio-Demographic Risk **Factors**

General Surgery

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ABSTRACT

Background: Colorectal cancer (CRC) is cancer of the colon and rectum. It arises from the mucosa that lining the colon, rectum or both. Aim of the study: Determination of the clinical, lifestyle, and sociodemographic risk factors of colorectal cancer in Egypt

Patients and Methods: A hospital-based, case-control study design was performed, 160 cases with ERC and 100 ealthy subjects were recruited in this study, an endoscopic, ratiological and tathological methods and clinical xamiliations had been cone for the collection of data.

and f esults: The host significant is k factor for modic, and family were besity, DM, bower mabit change, inflammatory bower disease (IBD), precancerous colonic lesions, no NSAIDs use, no HRT use, cholecystectomy, and family history of CRC (ORs=2.12, 2.13, 1.97, 4.91, 5.46, 3.69, 6.3, 3.84, and 8.88; respectively).

Conclusion: The most important risk factors of CRC were obesity, DM, IBD, precancerous colonic lesions, and family history of CRC. Risk factors of CRC are commonly controllable.

Keywords: Colorectal Cancer; Life-Style; Clinical; Socio-Demographic; Risk factor.

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INTRODUCTION

CRC is a type of cancer that affects the colon and rectum. The mucosa of the colon, rectum, or both are the commonest site of origin.¹

CRC affects people of all races and ethnicities. It is the third most often recognized cancer in the world, behind lung and breast cancer. In developed regions and c as b iro e, 1 %) are Austra rates (6 ich s Africa and Sou develo areas, ver 1.20 Asia, e ra wer. I**y** 2008, was l e diagnosed worldwic 608,700 deaths, so that it is the 4th most reported reason for cancer death, reporting about 8.0 % of all cancer deaths (1). In the United States, CRC is the 4th more reported cancer.

In Egypt, the estimated rate of CRC is 6.5 % of all malignant tumors, CRC became the sixth most commonly recorded tumor in the years 2002-2003, regarding the National Cancer Institute registry at Cairo University.⁵ It was 4.2 % in men and 3.8 % in females. 6 CRC is also widespread in Egypt, with 14.0 % of all colonoscopies revealing the presence of the disease.7

A population-based study in Garbiah, Egypt has reported higher the rates of colorectal cancer in cases aged 40 years and younger. This rate was slightly higher than rate of the same age groups in the US.8

CRC affects both men and women.² It is the 3rd most reported cancer in males and the 2nd most common cancer in females. In Egypt, a low rate &f CRC 6.9/100,000

orded by th Mddl Eas of 199 m in the duration was recorde fromarbiah or dur n from standardized incidence (ASRs) rates 6.5/100,000 for men and 4.2/100,000 for women.

High socioeconomic status (SES) is also related to an elevated risk of the development of colorectal cancer. It is predicted that CRC risk being approximately 30.0% increase in the lowest in comparison with the highest SES quintile.

There is also evidence that lifestyle can increase the risk of cancer and that changing one's lifestyle can significantly reduce the cancer burden.¹²

Quitting smoking, increasing physical activity, losing weight, improving diet, and restricting alcohol