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Identifying high-risk individuals for gastric cancer surveillance from western and eastern perspectives: Lessons to learn and possibility to develop an integrated approach for daily practice

Quach DT *et al.* Identifying high-risk individuals for GC surveillance

Duc Trong Quach, Toru Hiyama, Takuji Gotoda

Abstract

Current evidence shows that individuals with gastric dysplasia, severe and extensive gastric atrophy, extensive gastric intestinal metaplasia and the incomplete subtype of intestinal metaplasia are at high risk for gastric cancer (GC) development. There are several approaches to identifying these subjects, including noninvasive methods, esophagogastroduodenoscopy and histology. The main approach in Western countries is histology-based while that in Eastern countries with a high prevalence of GC is endoscopy-based. Regarding asymptomatic individuals, the key issues in selecting applicable approaches are the ability to reduce GC mortality and the cost-effectiveness of the approach. At present, population-based screening programs have only been applied in a few Asian countries with a high risk of GC. Pre-endoscopic risk assessment based on demographic and clinical features, such as ethnicity, age, gender, smoking and

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Gastric adenocarcinoma screening and prevention in the era ...

https://www.researchgate.net/publication/273701265_Gastric...

Gastric cancer is the fifth most common **cancer** and third leading cause of **cancer**-related death worldwide.¹ In 2013, 841 000 people worldwide died due to **gastric cancer**.² **Eastern Asia**, **Eastern** ...

Genomic and Epigenomic Profiling of High-Risk Intestinal ...

<https://www.sciencedirect.com/science/article/pii/S1535610817305214>

Genomic and Epigenomic Profiling of **High**-Risk Intestinal Metaplasia Reveals Molecular Determinants of Progression to **Gastric Cancer** ... by **identifying individuals** at high GC risk who may benefit from ... S.Y. Leung, et al. Helicobacter pylori eradication to prevent **gastric cancer** in a **high**-risk region of China: a randomized controlled trial ...

Cited by: 17

Author: Kie Kyon Huang, Kalpana Ramnarayan...

Publish Year: 2018

Cancer, Culture, and Health Disparities: Time to Chart a ...

<https://onlinelibrary.wiley.com/doi/full/10.3322/caac.20051>

For example, African Americans, Asian Americans, American Indian/Alaska Natives, and Hispanics all have higher rates of stomach (associated with Helicobacter pylori), liver (associated with hepatitis B), and cervical (associated with human papilloma virus) **cancer**. 106 Increased awareness by clinicians of these **high-risk** populations would ...

Cited by: 239

Author: Marjorie Kagawa-Singer, Annalyn Valde...

Publish Year: 2010

Prophylactic Mastectomy in BRCA1 and BRCA2 Mutation ...

https://www.researchgate.net/publication/41409145_Prophylactic...

Individuals with BRCA2 alterations have a **high risk** of **breast** and **ovarian cancer** [6]. Thus, prophylactic **surgery** is recommended to reduce the **risk** of **cancer** for a patient with this mutation and a strong family history of **breast** and/or **ovarian cancer** [7].

The SAGE Encyclopedia of Cancer and Society - sk.sagepub.com

<https://sk.sagepub.com/reference/the-sage-encyclopedia-of-cancer...>

Research published in the New England Journal of Medicine shows that taking aspirin **daily** is associated with a reduction in the risk of colorectal polyps among people at **high** risk for colorectal **cancer**.

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Global Perspectives on Surveillance, Risk Factors, and Early Gastric ...

<https://gicasym.org> › [Daily News](#) ▼ [翻译此页](#)

2018年1月19日 - However, the incidence varies considerably across **individual** ... In contrast with colorectal **cancer** (CRC), no official **screening** programs for GC exist in any European country, even for **high-risk** populations. ... As such, many early **gastric** lesions are detected by **chance**, thereby improving survival outcomes.

National Comprehensive Cancer Network - NCCN

<https://www.nccn.org/about/news/newsinfo.aspx> ▼ [翻译此页](#)

NCCN Advances **Cancer** Research and Oncology Career **Development** with ... National **Comprehensive Cancer** Network Recognizes Five **Individuals** for ... **Study** finds upsurge in 'active **surveillance**' for low-**risk** prostate **cancer** ... ETHealthworld.com: Is India **at** par with the **West** in offering advanced **cancer** treatment?

Individuals and Families: Models and Interventions - Health and ...

<https://www.ncbi.nlm.nih.gov/books/NBK43749/> ▼ [翻译此页](#)

Models of behavior change have been **developed** to guide strategies to ... efforts should recognize the **possible** influence of contextual cues, **identify** the cues that ... in which healthy behaviors are the first **things**, not the second **things**, **learned**. of clinical behavioral and psychosocial interventions to diabetes, **cancer**, and ...

Comparisons of Gastric Cancer Treatments: East vs. West - NCBI

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3392325/> ▼ [翻译此页](#)

作者: K Bickenbach - 2012 - 被引用次数: 100 - 相关文章

2012年6月27日 - A **higher** incidence of **gastric cancer** in the **East** has led to **screening** programs, and ...



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Gastric cancer and family history - PubMed Central (PMC)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5094936>

Nov 01, 2016 · **Identifying individuals at high risk** is important for **surveillance** and prevention of **gastric cancer**. Having first-degree relatives diagnosed with **gastric cancer** is a strong and consistent risk factor **for gastric cancer**, but the pathogenic mechanisms behind this ...

Cited by: 11

Author: Yoon Jin Choi, Nayoung Kim

Publish Year: 2016

Identifying Molecular Drivers of Gastric Cancer through ...

https://www.researchgate.net/publication/233768857_Identifying_Molecular_Drivers_of...

Background Gastric cancer (GC) is one of the most frequently **diagnosed digestive tract cancers** and carries a **high risk of mortality**.

Epigenetic biomarkers in gastrointestinal cancers: The ...

<https://www.sciencedirect.com/science/article/pii/S1044579X17301815>

Epigenetic biomarkers in gastrointestinal **cancers**: The current state and clinical **perspectives** ... The incidence of **gastric cancer** has declined in most **western** countries, ... engagement and effects on survival of patients with esophageal **cancer** in a **high** risk region of the world, a potential molecular marker. **BMC Cancer**, 9 (2009), p. 24. Google ...

Cited by: 7

Author: Hege Marie Vedeld, Ajay Goel, Guro Elis...

Publish Year: 2017

Identifying and Testing for Hereditary Susceptibility to ...

<https://onlinelibrary.wiley.com/doi/full/10.3322/canjclin.54.6.309>

Dec 31, 2008 · Mutations in BRCA1 typically confer a lifetime risk between 50% and 85% for women to develop breast cancer and a 15% to 40% lifetime risk for the development of ovarian cancer. 49 BRCA2 genetic mutations can lead to a lifetime risk for the development of **breast cancer** between 6% and 7.5% for **men**, 50% and 85% for **women**, 49 and approximately 14% and 27% for ovarian cancer. 50-52, ...

Cited by: 65

Author: Randa Sifri, Sarita Gangadharappa, Loui...

Publish Year: 2004

Japanese gastric cancer treatment guidelines 2014 (ver. 4 ...