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Mixed epithelial endocrine neoplasms of the colon and rectum—An evolution over time: A systematic review

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Abstract

BACKGROUND

Mixed tumors of the colon and rectum, composed of a combination of epithelial and endocrine elements of benign and malignant potential are rare neoplasms. These can occur anywhere in the gastrointestinal tract and are often diagnosed incidentally. Though they have been a well-documented entity in the pancreas, where the exocrine-

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Rare Case of Rectal Mixed Adeno-Neuroendocrine Carcinoma

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6639042>

Mixed adenoneuroendocrine carcinoma is a rare subtype of colorectal cancer defined as malignant **neoplasm** in which each component represents at least 30% of the lesion . It was first described in 1924 [7]; and in 2010, World Health Organization (WHO) described this entity and named it as “**mixed** adenoneuroendocrine carcinomas” (MANECs) [8].

Cited by: 1**Author:** Aleksander Khudiakov, Mohammed Al-...**Publish Year:** 2019

Neuroendocrine Neoplasms: Dichotomy, Origin and ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5697503>

Oct 16, 2017 · Neuroendocrine **Neoplasms** and the Neuroendocrine Cell System. Neuroendocrine **neoplasms** occur almost everywhere in the body but are most common in the gastrointestinal tract, the pancreas, and the lungs [].They are composed of cells that secrete cell type-specific peptide hormones and/or biogenic amines, which are stored in electron-dense membrane-bound granules.

Cited by: 18**Author:** Günter Klöppel**Publish Year:** 2017

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Jan 19, 2020 · Comparison of survival outcomes of mixed **neuroendocrine non-neuroendocrine** neoplasms with survival outcomes of other neoplasms from the same sites of origin. Click here for additional data file. (172K, pdf)

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Author: Melissa Frizziero, Bipasha Chakrabarty, ...

Publish Year: 2020

The Epidemiology and Pathogenesis of Neoplasia in the ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3792582>

The incidence per 1,000,000 for carcinoid **tumors of the colon** was 2.7 (white men), 3.2 (white women), 4.7 (black men), and 4.0 (black women) (Table 1). **Over** the past 30 years, the SEER registries have documented a 400% increase in the age-adjusted incidence of carcinoid **tumors** of the small intestine . . . Carcinoid **tumors** accounted for 42% of the ...

Cited by: 205

Author: David Schottenfeld, Jennifer L. Beebe-Di...

Publish Year: 2009

[PDF] Mixed Neuroendocrine Non-Neuroendocrine ...

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Mixed neuroendocrine non-neuroendocrine **neoplasms** (MiNENs) represent a rare diagnosis of the gastro-entero-pancreatic tract. Evidence from the current literature regarding their epidemiology ...

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Publish Year: 2020

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In the present study, we have reviewed the literature on **mixed** neuroendocrine-nonneuroendocrine **epithelial neoplasms** reported in the pituitary, thyroid, nasal cavity, larynx, lung, digestive ...

[Immunohistochemistry in the diagnosis and classification ...](#)

<https://www.sciencedirect.com/science/article/pii/S0046817719302291>

Feb 01, 2020 · **Mixed Neuroendocrine-Non-Neuroendocrine Neoplasm** (MiNEN): (A) This **colon** cancer arising in association with an adenoma is composed of (B) conventional adenocarcinoma and (C) poorly