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Goblet cell carcinoids of the appendix: Tumor biology, mutations and management strategies

Santosh Shenoy

Abstract

Malignant neoplasms of the appendix are rare and represent less than 1% of gastrointestinal cancers. Goblet cell carcinoids (GCC) tumors are a distinctive group of heterogeneous appendiceal neoplasm that exhibit unique clinical and pathologic features. This review focuses on GCC of the appendix. English language articles from PubMed/Medline and Embase was searched were collected using the phrases "goblet cell carcinoids, adenocarcinoids, crypt cell carcinoma, mixed carcinoid – adenocarcinoma and amphicrine tumors." The current diagnostic procedures, pathogenesis, possible signaling mechanisms and mutations are presented. Treatment options for this neoplasm are reviewed and summarized, although evidence-based data are lacking. Figures, tables and schematic diagram to illustrate pathways are included in the review. Perspectives for future research are presented. Goblet cell carcinoids are a separate entity from carcinoids (NETs) and adenocarcinoma. The prognoses of GCC lays intermediate between appendicular NETs and primary appendiceal adenocarcinoma. The pathogenesis is unclear however the tumor likely arises from

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2012年11月29日 - Goblet cell carcinoid (GCC) tumors are a rare subgroup of ... Surgery is the main treatment with appendectomy and right ..... and p53 mutations in the pathogenesis of classical and goblet cell carcinoids of the appendix," Cancer, vol. ... biological behavior of goblet cell carcinoid tumor in appendix," The ...

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