Record Nr. UNINA9910617309203321
Autore Morgado-Diaz Jose Andres
Titolo Gastrointestinal Cancers

Pubbl/distr/stampa Brisbane, Australia, : Exon Publications, 2022

Soggetti MJCL

Lingua di pubblicazione Inglese

Formato Materiale a stampa

Livello bibliografico Monografia

Sommario/riassunto

Gastrointestinal cancers represent a heterogeneous group of diseases of the gastrointestinal tract. There is an interplay of various nonmodifiable and modifiable risk factors that foster the conversion of normal cells to precursor cells, precursor cells to premalignant cells, and premalignant cells to malignant cells. Gastrointestinal cancers are diverse in etiology and clinical management. The chapters of this book explore the clinically relevant aspects of this diversity under three broad categories: epidemiology and pathology, early diagnosis and prognosis, and surgical management. The etiological aspects focus on stomach cancer while the pathological aspects provide an overview of colorectal cancer, how primary colorectal cancer becomes metastatic through epithelial mesenchymal transition, and how macrophagederived extracellular vesicles drive tumor development and enable the progression of most gastrointestinal cancers. Chapters on early detection and prognosis emphasize on biomarker discovery, both at genetic and proteomic level, and how these can be used to effectively predict the origin, progress, prognosis, and treatment response of gastrointestinal cancers in general and pancreatic cancer in particular. Given that the gastrointestinal tract is solely responsible for the processing of the diet we consume, the impact of diet that we consume cannot be ignored. There is a dedicated chapter that covers the role of diet and lifestyle on colorectal cancer incidence and survival. Despite various treatment modalities, for localized cancers, surgery is still the

best form of curative treatment, and the role of surgical management of gastrointestinal stromal tumors and esophageal cancers are elegantly summarized in two chapters. The contents of this book provide the readers with an overview of several important aspects of gastrointestinal cancers and may be of interest to healthcare professionals interested in gastrointestinal cancers.