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Nota di contenuto	Epidimology of colorectal cancer -- Colorectal cancer: A model for the study of cancer immunology -- Impact of Covid-19 Pandemic on Gastro Intestinal Cancer Patients: An Emphasis on Colorectal Cancer -- Potential role of NMR and MRI in colon cancer -- Role of micro-RNA in-situ hybridization in colon cancer diagnosis -- Role of epigenetics in colorectal cancer -- Exosomal biomarkers in colorectal cancer -- Biomarkers as putative therapeutic targets in colorectal cancer -- Proteins involved in colorectal cancer: Identification strategies and possible roles -- Short-chain fatty acids as therapeutic agents in colon malignancies -- Targeting of angiogenesis for colorectal cancer therapy -- Antiinflammatory molecular mechanism and contribution of drug transport molecules in colorectal cancer cells -- Emerging role of circulating tumour DNA in treatment response prognosis in colon cancer -- Immuno-modulating mediators of colon cancer as immunotherapeutic: mechanism and potential -- Immune checkpoint

inhibitors as armor for targeted immunotherapy of colorectal cancer --
Examining the role of the MACC1 gene in colorectal cancer metastasis
-- Index.

Sommario/riassunto

Colorectal cancer (CRC) is a major global health challenge as the third leading cause for cancer related mortalities worldwide. Despite advances in therapeutic strategies, the five-year survival rate for CRC patients has remained the same over time due to the fact that patients are often diagnosed in advanced metastatic stages. Drug resistance is another common reason for poor prognosis. Researchers are now developing advanced therapeutic strategies such as immunotherapy, targeted therapy, and combination nanotechnology for drug delivery. In addition, the identification of new biomarkers will potentiate early stage diagnosis. This book is the first of three volumes on recent developments in colorectal diagnosis and therapy. Each volume can be read on its own, or together. Each volume focuses on different novel therapeutic advances, biomarkers, and identifies therapeutic targets for treatment. Written by leading international experts in the field, coverage also addresses the role of diet habits and lifestyle in reducing gastrointestinal disorders and incidence of CRC. Chapters discuss current and future diagnostic and therapeutic options for colorectal cancer patients, focusing on immunotherapeutic, nanomedicine, biomarkers, and dietary factors for the effective management of colon cancer.