Record Nr. UNINA9910137119603321 Autore Wolfgang Christopher L. Titolo Cancer screening and genetics / / Christopher L. Wolfgang, MD, PhD Pubbl/distr/stampa Philadelphia, Pennsylvania:,: Elsevier,, 2015 ©2015 **ISBN** 0-323-40107-4 Descrizione fisica 1 online resource (244 p.) Surgical Clinics of North America, , 0039-6109; ; Volume 95, Number Collana Disciplina 616.994042 Soggetti Cancer - Genetic aspects Cancer - Early detection Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia "October 2015." Note generali Includes bibliographical references at the end of each chapters and Nota di bibliografia index. Nota di contenuto Cover image; Title page; Table of Contents; Copyright; Contributors; Consulting Editor: Editor: Authors: Forthcoming Issues: Forthcoming Issues; Recent Issues; Foreword: Cancer Screening and Genomics; Preface; Background; Cancer Genetics and Implications for Clinical Management; Key points; Introduction; Understanding the cancer genome landscape and translating advances for therapeutic gain; Driver versus passenger mutations; Mutational signatures in cancer; Rationale of genotype-guided medicine: Managing tumor heterogeneity and resistance to targeted therapy Advancing molecular phenotype-guided therapy in pancreatic cancerIndividualized therapy initiatives; Inherited susceptibility of cancer in the era of next-generation sequencing; Exceptional responders; Summary; The Triple-Code Model for Pancreatic Cancer; Key points; Cross talk between genetics and epigenetics as a promising paradigm in pancreatology; Mechanistic basis of epigenetics: the

paradigm in pancreatology; Mechanistic basis of epigenetics: the nucleosome; Marking the genome by methylation; Epigenetic regulation by noncoding RNAs; Shaping gene expression through nuclear architecture Epigenetics opens a new era for pancreatic cancer markers and novel therapeutic modalitiesSummary; Principles of Cancer Screening; Key points; Introduction; Performance characteristics of screening tests;

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When to obtain a liver biopsy to diagnose hepatocellular carcinomaProstate Cancer Screening and the Associated Controversy; Key points; Introduction; Screening techniques and options; Clinical outcomes; Complications and concerns; Summary; Screening for Pancreatic Cancer; Key points; Introduction; How early does pancreatic cancer have to be detected for cure?; Target lesions; Who is at risk of developing pancreatic cancer? Who should be screened?; How should suspected lesions be managed?; Screening and Early Detection of Gastric Cancer; Key points

Gastric cancer epidemiology: mortality, incidence between east and west