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Summary; References; Chapter 3: Neuropsychological Sequelae of Breast Cancer and Its Treatment; Background: Biology, Clinical Presentation, and Treatment of Breast Cancer: Epidemiology; Symptoms and Diagnostic Workup; Prognosis by Stage; Surgical Management of Breast Cancer; Treatment of Brain and Spinal Metastases; Potential Neurophysiological Alterations After Breast Cancer Therapy; Peripheral Neuropathies; Central Nervous System Effects; Summary; References Chapter 4: Neurocognitive Impact of Gynecologic Cancers and Their TreatmentPart I: Gynecologic Cancers: Types, Epidemiology, and Current Practices for Gynecologic Cancers; Empirically Based Treatment Considerations; Part II: Potential Neurophysiologic Alterations; Research in Gynecologic Cancer; Summary; References; Chapter 5: Colorectal Cancers; Management of Colorectal Cancer; Surgery; Chemotherapy; Pelvic Radiotherapy; Functional Outcomes After Treatment of Colorectal Cancer; Permanent Colostomy; Bowel Function; Cognitive Function; Impact of Cognitive Dysfunction on Quality of Life

Cancer-Related Cognitive DysfunctionTreatment-Related Cognitive Function; Postoperative Cognitive Function; Postoperative Delirium; Chemotherapy for Colorectal Cancer; Chemotherapy-Related Cognitive Dysfunction; Mechanism of Chemotherapy-Related Cognitive Dysfunction; 5-Flourouracil; Oxaliplatin; Capecitabine; Biologic Agents; Adjuvant Medications; Methodological Issues in Assessing Cognitive Dysfunction After Colorectal Cancer Treatment; Choice of Instruments; Statistical Analysis; Management of Cognitive Dysfunction; Summary; References

Chapter 6: The Neuropsychological Aspects of Head and Neck Cancer

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#### Sommario/riassunto

Interest in the neurocognitive and sensory impairments resulting from many cancers and their interventions has grown considerably over the past decades as an important aspect of quality of life issues for cancer patients and survivors. The Neuropsychology of Cancer and Oncology features current findings on the neuropsychological effects of these cancers and their treatments along with the most promising neuropsychological and behavioral health interventions available to mitigate these deficits. This edited volume, part of the Contemporary Neuropsychology series, bridges the gap between the kno

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