

Contents

CHAPTER I

The cancer problem, 21

- Earlier diagnosis in the symptomatic patient, 22
- Detection of cancer in the asymptomatic patient, 23
- Detection and correction of precancerous lesions for actual cancer prevention, 24
- Conclusion, 24

CHAPTER II

The cancer detection examination, 26

- Detection vs. diagnosis, 26
- Rationale of cancer detection, 26
- Cancer detection tests, 27
- Selection of patients for examination, 29
- General remarks about the examination, 32
- Preparation for the examination, 33
- Obtaining and recording information, 35
- Forms to be used, 35
- History, 44
- Physical examination, 48
- After the physical examination, 71
- Laboratory work, 72

CHAPTER III

Skin, 81

- Epidemiology, 81
- Epidermoid carcinoma, 82
- Melanoma and its precursors, 86
- Steps in the detection and diagnosis of skin cancer, 89

Contents

CHAPTER I

The cancer problem, 21

- Earlier diagnosis in the symptomatic patient, 22
- Detection of cancer in the asymptomatic patient, 23
- Detection and correction of precancerous lesions for actual cancer prevention, 24
- Conclusion, 24

CHAPTER II

The cancer detection examination, 26

- Detection vs. diagnosis, 26
- Rationale of cancer detection, 26
- Cancer detection tests, 27
- Selection of patients for examination, 29
- General remarks about the examination, 32
- Preparation for the examination, 33
- Obtaining and recording information, 35
- Forms to be used, 35
- History, 44
- Physical examination, 48
- After the physical examination, 71
- Laboratory work, 72

CHAPTER III

Skin, 81

- Epidemiology, 81
- Epidermoid carcinoma, 82
- Melanoma and its precursors, 86
- Steps in the detection and diagnosis of skin cancer, 89

CHAPTER IV

Head and neck, 92

- Screening presumably well adults for head and neck cancer—detection, 93
- Relative frequency of head and neck cancers, 93
- Cancer of the mouth, 94
 - Epidemiology, 94
 - Etiology, 95
 - Clinical manifestations of oral cancer (lips, gums, buccal mucosa, palate, tongue, floor of the mouth, tonsils, and pharynx), 96
 - Steps in the diagnosis and initial management of the mouth cancer suspect, 98
- Cancer of the larynx, 100
 - Epidemiology, 100
 - Etiology, 100
 - Pathology, 101
 - Classification, 101
 - Clinical manifestations of cancer of the larynx, 101
 - Steps in the diagnosis and initial management of the larynx cancer suspect, 102
- Cancer of the thyroid, 103
 - Epidemiology, 103
 - Etiology, 104
 - Pathology, 107
 - Clinical manifestations of thyroid cancer, 107
 - Steps in the diagnosis and initial management of the thyroid cancer suspect, 108
 - Indications for surgery for thyroid lesions, 110

CHAPTER V

Lung, 114

- Epidemiology, 114
- Etiology, 116
- Pathology, 117
- Pathogenesis, 120
- Screening presumably well adults for lung cancer—detection, 121
- Clinical features of lung cancer, 123
- Steps in the diagnosis and initial management of the lung cancer suspect, 128

CHAPTER VI

Breast, 137

- Epidemiology, 137
- Etiology, 140

- Pathology, 140
- Screening presumably well women for breast cancer—detection, 143
- Clinical features of breast cancer—diagnosis, 143
- Steps in the diagnosis and initial management of the breast cancer suspect, 147

CHAPTER VII

Uterus and female genital tract, 151

- Uterus—cervix and endometrium, 151
 - Cervix, 151
 - Epidemiology, 151
 - Etiology, 153
 - Carcinoma in situ, 153
 - Invasive carcinoma of the cervix, 156
 - Screening presumably healthy women for cervical cancer—detection, 157
 - Clinical features of cancer of the cervix—diagnosis, 159
 - Steps in the diagnosis and initial management of the cervical cancer suspect, 161
 - Endometrium, 166
 - Epidemiology, 166
 - Etiology, 167
 - Pathology, 167
 - Screening presumably healthy women for localized endometrial cancer—detection, 167
 - Clinical features of carcinoma of the endometrium—diagnosis, 168
 - Steps in the diagnosis and initial management of the endometrial cancer suspect, 169
- Other sites of the female genital tract—vulva, vagina, ovary, 171
 - Vulva, 171
 - Vagina, 171
 - Ovary, 171

CHAPTER VIII

Stomach and upper gastrointestinal tract, 173

- Stomach, 173
 - Epidemiology, 173
 - Etiology, 175
 - Pathology, 175
 - Premalignant conditions, 178
 - Screening presumably well adults for stomach cancer and its precursors—detection, 180
 - Clinical features in the symptomatic patient—diagnosis, 183

- Steps in the diagnosis and initial management of the stomach cancer suspect, 185
- Differential diagnosis, 195
- Benign vs. malignant gastric ulcers, 196
- Other sites of upper gastrointestinal tract, 199
 - Esophagus, 199
 - Pancreas, 200
 - Liver and biliary tract, 200

CHAPTER IX

Colon and rectum, 201

- Epidemiology, 201
- Etiology, 202
- Pathology, 202
- Screening presumably well adults for colon and/or rectum cancer and its precursors—detection, 211
- Clinical features in the symptomatic patient, 212
- Steps in the diagnosis and initial management of the colon and/or rectum cancer suspect, 217

CHAPTER X

Urinary tract and male genitalia, 228

- Kidney, 228
 - Epidemiology, 228
 - Etiology, 229
 - Pathology, 229
 - Screening presumably well adults for renal cancer—detection, 231
 - Clinical features of cancer of the kidney, 232
 - Initial steps in the diagnosis and management of the kidney cancer suspect, 235
- Bladder, 239
 - Epidemiology, 239
 - Etiology, 240
 - Pathology, 241
 - Screening presumably well adults for bladder cancer—detection, 244
 - Clinical features of bladder cancer, 244
 - Steps in the diagnosis and initial management of the bladder cancer suspect, 245
- Cancer of the prostate, 246
 - Epidemiology, 246
 - Etiology, 248
 - Pathology, 248

- Screening presumably well adult males for cancer of the prostate—
detection, 250
- Clinical features of cancer of the prostate, 251
- Steps in the diagnosis and initial management of the prostatic
cancer suspect, 252
- Male external genitalia, 254
 - Penis, 254
 - Testis, 254

CHAPTER XI

Blood and blood-forming organs, 256

- Leukemia, 256
 - Epidemiology, 256
 - Etiology, 257
 - Classification, 258
 - Frequency, age, and sex distribution of various types, 258
 - Pathologic mechanisms, 259
 - Screening presumably well adults for leukemia, 259
 - Clinical features of leukemia—diagnosis, 260
 - Steps in the diagnosis and initial management of the
leukemia suspect, 262
- Malignant lymphomas, 266
 - Epidemiology, 266
 - Etiology, 267
 - Pathology, 267
 - Screening presumably well adults for the presence of the lymphomas—
detection, 268
 - Clinical features of the malignant lymphomas—diagnosis, 270
 - Steps in the diagnosis and initial management of the malignant lymphoma
suspect, 273

Source material, 276

- Epidemiologic statistics, 276
- Chartered divisions of the American Cancer Society, Inc., 277
- Suggested bibliography, 280

Color plates

- Plate 1. Lesions of the skin, head, and neck, 96
- Plate 2. Lesions of the cervix, 152
- Plate 3. Lesions of the colon and rectum, 212