

# ACON™ TEST CONTENT OUTLINE

## 1. Scientific Information – 10%

- A. Healthy physiology and alterations in function
- B. Process of clinical trials and resources
- C. Genetics and genomics
- D. Anatomy, pathophysiology, pharmacology, pharmacokinetics
- E. Complex medical terminology

## 2. Cancer as a Disease – 16%

- A. Prevention, detection, modification of disease risk
- B. Identification of carcinogenesis
- C. Development and the metastasis of cancer:
  - 1. Biology
  - 2. Genomics
  - 3. Cellular mechanisms
- D. Cancer pathogenesis
- E. Cancer metastasis
- F. Solid tumors and hematologic malignancies:
  - 1. Common risk factors
  - 2. Diagnosis
  - 3. Prognosis
  - 4. Incidence
  - 5. Prevalence
  - 6. Mortality
  - 7. Treatments
- G. Pathological and clinical grading
- H. Immune system and cancer treatment
- I. At-risk populations and complications
- J. Pathophysiology of major cancers
- K. Genomics and testing for treatment
- L. Impact of cancer and treatment on sexual and reproductive functioning

## 3. Assessment and Decision-Making – 20%

- A. Population based, age, and at-risk screening recommendations
- B. Age-appropriate assessment tools

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- C. Diagnostic testing:
  - 1. Purpose
  - 2. Importance
- D. Oncologic emergencies

## 4. Treatment Modalities – 20%

- A. Mechanisms of:
  - 1. Action
  - 2. Diagnostics
  - 3. Dosing
  - 4. Administration
  - 5. Side effect management for antineoplastic therapy
  - 6. Immunotherapy
  - 7. Hormonal therapy
- B. Radiation therapy modalities:
  - 1. Site specific
- C. Surgical Procedures:
  - 1. Diagnosis
  - 2. Staging criteria
  - 3. Cancer sites
- D. Potential cancer treatment interactions:
  - 1. Current prescriptions medications
  - 2. Nutrition
  - 3. Homeopathic treatments
  - 4. Vitamin supplements
  - 5. Herbals
- E. Cellular therapy:
  - 1. Preparative regimens
  - 2. Dosing
  - 3. Administration
  - 4. Management of complications
- F. Complementary and alternative therapies
- G. Types of personal protective equipment
- H. Hazardous drugs:
  - 1. Identification
  - 2. Exposure
  - 3. Use of personal protective equipment

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- I. Use of access devices
- J. Pain management interventions:
  - 1. Pharmacologic
  - 2. Nonpharmacologic
- K. Secondary malignancies:
  - 1. Risk
  - 2. Education

## **5. Care Management – 15%**

- A. Care coordination, diagnosis through survivorship
- B. Protective measures for immunocompromised patients

## **6. Patient and Caregiver Support – 11%**

- A. Psychology and human behavior
  - 1. Resource recommendations
  - 2. Behavioral and affective disorders
  - 3. Identification of stress
- B. Grief:
  - 1. Communication techniques
  - 2. Resources for referrals
- C. Parental consent

## **7. Professional Practice – 8%**

- A. Practice of safe, equitable, and quality care
  - 1. Oncology requirements
  - 2. Standards
  - 3. Guidelines
- B. Professional codes of ethics
- C. Professional standards, guidelines, relevant statutes, rules and regulations
- D. Compensation for care and services:
  - 1. Insurance/payer
  - 2. Stakeholder
  - 3. Authorizations
  - 4. Appeals