



AMERICAN OSTEOPATHIC ASSOCIATION

**Specific Basic Standards for
Osteopathic Fellowship Training in
Oncology**

**American Osteopathic Association
and
American College of Osteopathic Internists**

BOT Rev. 2/2011

These specific basic standards are part of the *Common Basic Standards for Fellowship Training in Internal Medicine Subspecialties*, which govern and define training in all medical subspecialties. These requirements are in addition to all requirements in the Common Basic Standards.

IV INSTITUTIONAL REQUIREMENTS

- 4.1 The base institution or an affiliate must have nuclear medicine facilities, surgical and radiation oncology services.
- 4.2 The base institution or an affiliate must have hospice and palliative care available within the institution.
- 4.3 The base institution or an affiliate must participate in research protocols and cooperative group trials.
- 4.4 The base institution or an affiliate must have regularly scheduled educational and multidisciplinary tumor conferences

V PROGRAM REQUIREMENTS AND CONTENT

A. Program Duration

- 5.1 The fellowship training program is a full-time training program that must be of a minimum of 24 months in duration.

B. Medical Knowledge

- 5.2 There must be a monthly tumor board conference.
- 5.3 The fellow must have learning activities in the etiology of cancer including predisposing causal factors leading to neoplasia.
- 5.4 The fellow must have learning activities in fundamental concepts of cellular and molecular biology, cytogenetics, immunology, basic and clinical pharmacology, pharmacokinetics, toxicity and tumor immunology.
- 5.5 The fellow must have learning activities in etiology, epidemiology and natural history of cancer.
- 5.6 The fellow must have learning activities in diagnosis, pathology, staging and management of neoplastic disorders.
- 5.7 The fellow must have learning activities in immune markers, immunophenotyping, cytochemical studies and cytogenetic and DNA analysis of the neoplastic disorders.
- 5.8 The fellow must have learning activities in molecular mechanisms of neoplasia including the nature of oncogenes and their products.
- 5.9 The fellow must have learning activities in principles of organ specific cancers and multidisciplinary management.
- 5.10 The fellow must have learning activities in pathophysiology and patterns of tumor metastasis.
- 5.11 The fellow must have learning activities in indications and applications of imaging techniques in patients with neoplastic disorders.
- 5.12 The fellow must have learning activities in chemotherapeutic drugs, biologic products and growth factors and their mechanisms of actions, pharmacokinetics, clinical indications, limitations, including their effects and toxicity and interactions.

- 5.13 The fellow must have learning activities in multi-agent chemotherapeutic protocols and combined modality therapy of neoplastic disorders.
- 5.14 The fellow must have learning activities in principles and indications and limitations of surgery and radiation therapy in the treatment of cancer.
- 5.15 The fellow must have learning activities in principles of, indications for, and complications of various bone marrow and peripheral blood stem cell transplant, peripheral stem cell harvest, including the management of post transplant patients.
- 5.16 The fellow must have learning activities in fine-needle aspiration biopsies.
- 5.17 The fellow must have learning activities in concepts of supportive care including hematology, infectious disease and nutritional support.
- 5.18 The fellow must have learning activities in management of the neutropenic and/or immunocompromised patient.
- 5.19 The fellow must have learning activities in pain management in the cancer patient.
- 5.20 The fellow must have learning activities in rehabilitation and psychosocial aspects of clinical management of the cancer patient.
- 5.21 The fellow must have learning activities in hospice and home care for the cancer patient.
- 5.22 The fellow must have learning activities in recognition and management of the paraneoplastic disorders.
- 5.23 The fellow must have learning activities in cancer prevention and screening.
- 5.24 The fellow must have learning activities in clinical epidemiology and medical statistics including clinical study and experimental protocol design, data collection and analysis.
- 5.25 The fellow must have learning activities in participation in a multidisciplinary tumor board.
- 5.26 The fellow must have learning activities in personal development and attitudes for coping skills of physicians and other health care professionals who care for critically ill patients.
- 5.27 The fellow must have learning activities in immunodeficiency virus-related malignancies.
- 5.28 The fellow must have learning activities in principles, indications and limitations of surgery, radiation and drug therapy in treating cancer and combined modality therapy.

C. Patient Care

- 5.29 The fellow must have availability and evidence of exposure to leadership of multidisciplinary teams.
- 5.30 The fellow must have training and experience in the following to include, at minimum: indications; contraindications; complications; limitations, interpretation and evidence of competent performance:
 - a. Serial measurement of palpable tumor masses.
 - b. Bone marrow aspiration biopsy and interpretation.
 - c. Administration of chemotherapy and biologic agents through all therapeutic routes.
 - d. Management and care of indwelling access catheters.
 - e. Measurement of complete blood count including platelets and white cell differential.
 - f. Blood and platelet transfusion.

- g. Diagnostic and therapeutic thoracentesis and paracentesis.
 - h. Phlebotomy and pheresis.
 - i. Pelvic examination.
 - j. Correlation of clinical information with the findings of cytology, histology and imaging and other techniques.
 - k. Lumbar puncture, intrathecal and various port injections.
- 5.31 The fellow must participate in research protocols and cooperative group trials.

D. Ambulatory Clinic

- 5.32 The fellow must attend a supervised continuity clinic for a minimum of four hours per week, 46 weeks per year.
- 5.33 The fellow must see a minimum of four patients per week in the ambulatory clinic.
- 5.34 The fellow must maintain a log of all outpatient cases.