**New Application: Medical Oncology (Internal Medicine)**

401 North Michigan Avenue · Chicago, Illinois 60611 · United States · +1.312.755.7042

www.acgme-i.org

**Submission for Initial Accreditation:** This Advanced Specialty Application is for programs applying for **Initial Accreditation ONLY** and is used in conjunction with the Accreditation Data System (ADS).

All sections of the form applicable to the program must be completed for the application to be accepted for review. The information provided should describe the existing program. For items that do not apply, indicate “N/A” in the space provided. Where patient numbers are requested, provide exact numbers as requested and indicate the exact dates for the data entered. If any requested information is unavailable, an explanation must be given, and it should also be indicated as unavailable in the appropriate place on the form. Once the form is complete, number the pages sequentially in the bottom center.

The program director is responsible for the accuracy of the information supplied in this form, and must sign it. It must also be signed by the designated institutional official (DIO) of the Sponsoring Institution, who will submit the application electronically in ADS.

Review the International Foundational Program Requirements for Graduate Medical Education and Advanced Specialty Program Requirements for Graduate Medical Education in Medical Oncology. The International Foundational, Advanced Specialty, and Institutional Requirements may be downloaded from the ACGME International website: [www.acgme-i.org](http://www.acgme-i.org/).

Email questions regarding the form’s content to [acgme-i@acgme-i.org](mailto:acgme-i@acgme-i.org).

Email questions regarding ADS to [ADS@acgme.org](mailto:ADS@acgme.org) (type the program number in the subject line).

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| Program Name: Click here to enter text. |

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**Introduction**

**Duration and Scope of Education**

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| * + - 1. What will be the length, in months, of the educational program?   Choose an item. |

**Institutions**

**Sponsoring Institutions**

1. Will the fellowship function as an integral part of an ACGME-I-accredited residency in internal medicine?

YES NO

Explain if ‘NO.’ For information on independent subspecialty status, email [acgme-i@acgme-i.org](mailto:acgme-i@acgme-i.org)   (Limit 250 words)

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**Faculty**

1. Will faculty members teach and supervise fellows in the performance and interpretation of procedures?

YES NO

1. Will fellows’ procedures, including indications, complications, post-procedural diagnoses, and supervisor(s), be documented in their record? YES NO

Explain any ‘NO’ responses to Questions 1 and 2. (Limit 250 words)

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**Other Program Personnel**

1. Will certified clinical specialists in the following areas participate in the education of fellows?
2. Endocrinology YES NO
3. Gastroenterology YES NO
4. Hematology YES NO
5. Infectious disease YES NO
6. Nephrology YES NO
7. Pulmonary disease YES NO

Explain any ‘NO’ responses. (Limit 250 words)

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1. Will the following clinical specialists participate in the education of fellows?
2. Dermatologists YES NO
3. Gynecologists YES NO
4. Neurological surgeons YES NO
5. Neurologists YES NO
6. Orthopaedic surgeons YES NO
7. Otolaryngologists YES NO
8. Radiation oncologists YES NO
9. Urologists YES NO

Explain any ‘NO’ responses. (Limit 250 words)

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1. Will surgeons in the following specialties participate in the education of fellows?
2. General surgery YES NO
3. Oncologic surgery YES NO

Explain any ‘NO’ responses. (Limit 250 words)

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1. List any other surgical specialties from which specialists will participate in the education of fellows. (Limit 300 words)

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1. Will experts in the following disciplines be available to the program to provide multidisciplinary care and fellow education?
2. Genetic counseling YES NO
3. Hospice and palliative care YES NO
4. Oncologic nursing YES NO
5. Pain management YES NO
6. Psychiatry YES NO
7. Rehabilitation medicine YES NO

Explain any ‘NO’ responses. (Limit 250 words)

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**Resources**

1. Will the following laboratory and imaging services be available?
2. Computed tomography (CT) YES NO
3. Cross-sectional imaging site YES NO
4. Hematology laboratory at the primary clinical site YES NO
5. Magnetic resonance imaging (MRI) YES NO
6. Nuclear medicine imaging YES NO
7. Positron emission tomography (PET) scan imaging YES NO
8. Radiation oncology facilities YES NO
9. Specialized coagulation laboratory YES NO

Explain any ‘NO’ responses. (Limit 250 words)

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1. Will the following advanced pathology services be available?
2. Blood banking YES NO
3. Immunopathology YES NO
4. Transfusion and apheresis YES NO

Explain any ‘NO’ responses. (Limit 250 words)

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1. Will there be a hematology clinical program with which fellows can interact? YES NO

Explain if ‘NO.’ (Limit 250 words)

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**Fellow Appointment**

**Eligibility Criteria**

1. How will the program ensure that, prior to appointment, fellows have completed an ACGME-I-accredited internal medicine residency program or another internal medicine residency program acceptable to the Sponsoring Institution’s Graduate Medical Education Committee? (Limit 250 words)

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**Specialty-Specific Educational Program**

**ACGME-I Competencies**

**Professionalism**

1. How will graduating fellows demonstrate a commitment to fulfilling their professional responsibilities and adhering to ethical principles?

Describe how this will be evaluated. (Limit 300 words)

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**Patient Care and Procedural Skills**

1. How will graduating fellows demonstrate the ability to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health?

Describe how this will be evaluated. (Limit 300 words)

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1. How will graduating fellows demonstrate competence in the practice in health promotion, disease prevention, diagnosis, care, and treatment of all genders, from adolescence to old age, during health and all stages of illness?

Describe how this will be evaluated. (Limit 300 words)

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1. How will graduating fellows demonstrate competence in prevention, evaluation, diagnosis, cancer staging, and management of patients with neoplastic disease of the following?
2. Breast
3. Cancer family syndromes
4. Central nervous system
5. Gastrointestinal tract
6. Genitourinary tract
7. Gynecologic malignancies
8. Head and neck
9. Hematopoietic system
10. Liver
11. Lung
12. Lymphoid organs
13. Pancreas
14. Skin, including melanoma
15. Testes
16. Thyroid and other endocrine organs, including multiple endocrine neoplasia (MEN) syndromes

Provide examples of how competence will be assessed in eight of the 15 areas listed. (Limit 800 words)

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1. How will graduating fellows demonstrate competence in the assessment of the following?
2. Tumor burden
3. Tumor response as measured by physical and radiologic exam
4. Tumor imaging by CT
5. Tumor imaging by MRI
6. Tumor imaging by PET scanning
7. Tumor imaging by nuclear imaging techniques

Describe how competence will be assessed in each of the areas listed. (Limit 400 words)

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1. How will graduating fellows demonstrate competence in the care and management of the following?
2. Geriatric patients with malignancy and hematologic disorders
3. Patients with human immunodeficiency virus (HIV)-related malignancies
4. Venous access devices
5. Patients with human immunodeficiency virus (HIV)-related malignancies

Describe how competence will be assessed in each area listed. (Limit 300 words)

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1. How will graduating fellows demonstrate competence in the following?
2. Correlation of clinical information with cytology, histology, and immunodiagnostic imaging techniques
3. Indications and application of imaging techniques in patients with neoplastic disorders
4. Intrathecal administration of chemotherapeutic agents
5. Management of neutropenic and immunocompromised patients
6. Management of pain, anxiety, and depression in patients with cancer
7. Management of neutropenic and immunocompromised patients
8. Palliative care, including hospice and home care

Provide examples of how competence will be assessed in four of the six areas listed. (Limit 400 words)

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1. How will graduating fellows demonstrate competence in performance of the following?
2. Bone marrow aspiration and biopsy
3. Lumbar puncture and interpreting cerebrospinal fluid
4. Paracentesis
5. Skin and lesion biopsies
6. Thoracentesis
7. Paracentesis
8. Skin and lesion biopsies

Provide examples of how competence will be assessed in three of the five areas listed. (Limit 300 words)

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1. How will graduating fellows demonstrate competence in specific cancer prevention and screening for high-risk individuals, including genetic testing? (Limit 300 words)

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1. How will graduating fellows demonstrate competence in treatment, diagnosis and management of paraneoplastic disorders? (Limit 300 words)

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1. How do graduating fellows demonstrate competence in use of the following?
2. Biological products
3. Chemotherapeutic agents
4. Chemotherapeutic drugs
5. Combined modality therapy
6. Growth factors
7. Nutrition support
8. Multi-agent chemotherapeutic protocols

Provide examples of how competence is assessed in four of the seven areas listed. (Limit 400 words)

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**Medical Knowledge**

* + - 1. How will graduating fellows demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care?

Describe how knowledge will be evaluated. (Limit 400 words)

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1. How will graduating fellows demonstrate knowledge of the scientific method of problem solving and evidence-based decision-making? (Limit 300 words)

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1. How will graduating fellows demonstrate knowledge of indications, contraindications, and techniques for, and limitations, complications, and interpretation of results of those diagnostic and therapeutic procedures integral to the discipline, including the appropriate indication for and use of screening tests/procedures? (Limit 300 words)

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1. How will graduating fellows demonstrate knowledge of pathogenesis, diagnosis, and treatment of disease, including the following?
2. Basic molecular and pathophysiologic mechanisms
3. Diagnosis and therapy of diseases of the blood, including anemias, diseases of white blood cells, and stem cells
4. Disorders of homeostasis and thrombosis
5. Etiology, epidemiology, natural history, diagnosis, pathology, staging, and management of neoplastic diseases of the blood, blood-forming organs, and lymphatic tissues

Provide examples of how knowledge will be assessed in three of the four areas listed. (Limit 300 words)

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1. How will graduating fellows demonstrate knowledge of genetics and developmental biology, including the following?
2. Cytogenetics
3. Molecular genetics
4. The nature of oncogenes and their products

Describe how knowledge will be assessed in each of the areas listed. (Limit 300 words)

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1. How will graduating fellows demonstrate knowledge of physiology and pathophysiology, including the following?
2. Basic and clinical pharmacology, pharmacokinetics, and toxicity
3. Cell and molecular biology
4. Hematopoiesis
5. Molecular mechanisms of hematopoietic and lymhopoietic malignancies
6. Pathophysiology and patterns of tumor metastases
7. Principles of oncogenesis
8. Tumor immunology

Provide examples of how knowledge will be assessed in four of the seven areas listed. (Limit 400 words)

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1. How will graduating fellows demonstrate knowledge of the following?
2. Clinical epidemiology and biostatistics, including clinical study and experimental protocol design, data collection, and analysis
3. Gene therapy
4. Immune markers, immunophenotyping, flow cytometry, cytochemical studies, and cytogenetic and DNA analysis of neoplastic disorders
5. Malignant and hematologic complication of organ transplantation
6. Management of post-transplant complications
7. Principles of, indications for, and complications of autologous and allogeneic bone marrow or peripheral blood stem cell transplantation
8. Principles of, indications for, and complications of peripheral stem cell harvests
9. Principles of, indications for, and limitations of radiation therapy in the treatment of cancer
10. Principles of, indications for, and limitations of surgery in the treatment of cancer
11. The basic principles of laboratory and clinical testing, quality control, quality assurance, and competence standards

Provide examples of how knowledge will be assessed in six of the 10 areas listed. (Limit 600 words)

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1. How will graduating fellows demonstrate knowledge of the following?
2. Lesion biopsies
3. Lumbar puncture
4. Paracentesis
5. Skin biopsies
6. Thoracentesis

Provide examples of how knowledge will be assessed in four of the five areas listed. (Limit 400 words)

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1. How will graduating fellows demonstrate knowledge of mechanisms of action, pharmacokinetics, clinical indications for and limitations of chemotherapeutic drugs, biologic products, and growth factors, including their effects, toxicity, and interactions?

Describe how knowledge will be assessed. (Limit 300 words)

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**Practice-based Learning and Improvement**

1. How will graduating fellows demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning?

Describe how this will be evaluated. (Limit 300 words)

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**Interpersonal and Communication Skills**

1. How will graduating fellows demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals?

Describe how this will be evaluated. (Limit 300 words)

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1. How will graduating fellows demonstrate team leadership skills and the ability to work with an interdisciplinary team?

Describe how this will be evaluated. (Limit 300 words)

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**Systems-based Practice**

1. How will graduating fellows demonstrate an awareness of and responsiveness to the larger context and system of health care, as well as the ability to call effectively on other resources in the system to provide optimal health care?

Describe how this will be evaluated. (Limit 300 words)

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**Regularly Scheduled Educational Activities**

1. Complete Appendix A., Formal Didactic Sessions by Academic Year, and attach to submission.
2. How will the program ensure fellows participate in multidisciplinary case management or tumor board conferences and in protocol studies during the educational program? (Limit 300 words)

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**Clinical Experiences**

* + - 1. How will the program ensure fellows have at least 12 months of clinical experience during the educational program? (Limit 300 words)

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* + - 1. Will fellows’ clinical experiences:
         1. be at least 50 percent in the outpatient setting? YES NO
         2. include at least one month in autologous bone marrow transplantation? YES NO
         3. include simulations? YES NO

Explain any ‘NO’ responses. (Limit 250 words)

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* + - 1. How will the program ensure inpatient assignments are of sufficient duration to permit fellows’ continuing care of a majority of patients throughout their hospitalization? (Limit 300 words)

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* + - 1. Will fellows have a structured continuity ambulatory clinic experience that exposes them to the breadth and depth of medical oncology? YES NO
      2. Will the experience described in Question 4 above include an appropriate distribution of patients of all genders and a diversity of ages? YES NO

1. Will fellows have an average of one half-day a week in the ambulatory clinic throughout the educational program? YES NO

Explain any ‘NO’ responses to Questions 4-6 above. (Limit 250 words)

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1. How will the program ensure that each fellow, on average, will be responsible for four to eight patients during each half-day ambulatory clinic session and, on average, no more than eight to 12 patients during each half-day ambulatory clinic session? (Limit 300 words)

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1. Will fellows’ continuing patient care experience be interrupted by more than one month, excluding vacation? YES NO

Explain if ‘YES.’ (Limit 250 words)

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**The Learning and Working Environment**

**Hour and Work Limitations**

How will the program ensure direct supervision of procedures performed by each fellow occurs until competence has been acquired and documented by the program director? (Limit 300 words)

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**Appendix A. Formal Didactic Sessions by Academic Year**

For each year of the fellowship, attach (Label: Appendix A.) a list of all scheduled didactic courses (including discussion groups, seminars and conferences, grand rounds, basic science, skills labs, and journal club) at all participating sites to which fellows will rotate, using the format below. If attended by fellows from multiple years, list in each year but provide a full description *only the first time a site is listed*.

Number sessions **consecutively** from the first year through the final year so that the scheduled didactic sessions can be easily referenced throughout the application. **Be brief and use the outline that follows**.

Year in the Program:

Number: Title:

a) Type of Format (e.g., seminar, conference, discussion groups)

b) Required or elective

c) Brief description (three or four sentences)

d) Frequency, length of session, and total number of sessions

**Example:**

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| Y-1  01. Introduction to Medical Oncology  a) Seminar  b) Required Y-1  c) Survey of contemporary methods and styles of medical oncology, including approaches to clinical work with minority populations  d) Weekly, for 8 sessions  02. Departmental Grand Rounds  a) Discussion groups  b) Required, Y-1, Y-2, Y-3; Elective Y-4  c) Clinical case presentations, sponsored by each departmental division, followed by discussion and review of contemporary state of knowledge; format includes fellow presentations and discussions with additional faculty discussant.  d) Twice monthly, 24 sessions |

If fellow attendance will be monitored, explain how this will be accomplished and how feedback will be given regarding non-attendance (Limit 250 words).

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