**Continued Accreditation Application: Medical Oncology (Internal Medicine)**

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

www.acgme-i.org

**Submission for Continued Accreditation:** This Advanced Specialty Application is for programs applying for **Continued 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 it 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.

Email questions regarding ADS to 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 is the length, in months, of the educational program?

Choose an item. |

**Institutions**

**Sponsoring Institutions**

1. Does the fellowship function as an integral part of an ACGME-I-accredited residency in internal medicine? [ ] YES [ ] NO

Explain if ‘NO.’ (Limit 250 words)

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**Faculty**

1. Are qualified faculty members from the following subspecialties available for the education of the fellows?
2. Cardiovascular disease [ ] YES [ ] NO
3. Endocrinology [ ] YES [ ] NO
4. Gastroenterology [ ] YES [ ] NO
5. Hospice and palliative medicine [ ] YES [ ] NO
6. Infectious diseases [ ] YES [ ] NO
7. Pulmonary disease [ ] YES [ ] NO

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

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**Other Program Personnel**

1. Does the fellowship have access to the following specialists/subspecialists?
2. Dermatologists [ ] YES [ ] NO
3. Neurological surgeons [ ] YES [ ] NO
4. Neurologists [ ] YES [ ] NO
5. Obstetricians and gynecologists [ ] 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. Do surgeons in the following specialties/subspecialties 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/subspecialties from which specialists/subspecialists participate in the education of fellows. (Limit 300 words)

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

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

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**Resources**

1. Are the following laboratory and imaging services available to the program?
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. Are the following advanced pathology services available to the program?
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. Is there 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 does the program ensure that, prior to appointment, fellows have completed an ACGME-I-accredited internal medicine 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 do graduating fellows demonstrate a commitment to fulfilling their professional responsibilities, adhering to ethical principles, and demonstrating personal development, attitudes and coping skills of physicians who care for critically ill patients? (Limit 300 words)

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**Patient Care and Procedural Skills**

1. How do 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? (Limit 300 words)

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1. How do graduating fellows demonstrate competence in a variety of health care settings, including inpatient and ambulatory settings?. (Limit 300 words)

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1. How do graduating fellows demonstrate competence in the following?
	1. Providing care for patients with whom they have limited or no physical contact through telemedicine
	2. Using critical thinking and evidence-based tools
	3. Using population-based data

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

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1. How do graduating fellows demonstrate competence in prevention, evaluation, diagnosis, cancer staging, and management of patients with malignant disorders 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
15. Testes
16. Thyroid and other endocrine organs

Describe how competence is assessed in eight of the 15 areas listed. (Limit 800 words)

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1. How do graduating fellows demonstrate competence in pathogenesis, diagnosis, prevention, evaluation and management of patients with the following disorders?
2. Bone marrow failure syndromes
3. Histiocytic disorders
4. Myelodysplastic syndrome
5. Myeloproliferative neoplasms

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

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1. How do graduating fellows demonstrate competence in the diagnosis and management of classical hematologic complications of malignant disorders, including the following?
2. Autoimmune disorders
3. Congenital and acquired thrombotic disorders
4. Hemoglobin disorders
5. Hemophilias and other inherited and acquired hemorrhagic disorders
6. Inherited and acquired disorders of the red blood cell membrane and red blood cell metabolism
7. Inherited and acquired disorders of white blood cells
8. Nutritional anemias
9. Platelet disorders
10. The porphyrias
11. Thrombotic microangiopathies

Describe how competence is assessed in six of the 10 areas listed. (Limit 600 words)

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1. How do graduating fellows demonstrate competence in 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 is assessed in each of the areas listed. (Limit 400 words)

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1. How do 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. Hematologic care of pregnant patients and women of reproductive age
5. Hematologic care of transgender patients
6. Hematologic complications of infectious diseases
7. Management of pain, anxiety, and depression in patients with cancer
8. Management of neutropenic and immunocompromised patients
9. Palliative care, including hospice and home care
10. Rehabilitation and psychosocial care of patients with cancer
11. Specific cancer prevention and screening, including genetic testing
12. Treatment and diagnosis or paraneoplastic disorders
13. Venous access devices

Describe how competence is assessed in six of the 12 areas listed. (Limit 600 words)

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1. How do 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

Describe how competence is assessed in each of the areas listed. (Limit 250 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. Immunotherapeutic drugs
8. Nutrition support
9. Multi-agent chemotherapeutic protocols

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

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**Medical Knowledge**

* + - 1. How do 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? (Limit 400 words)

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1. How do 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 do 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 do 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, to include 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

Describe how knowledge is assessed in three of the four areas listed. (Limit 300 words)

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

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

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1. How do 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

Describe how knowledge is assessed in four of the seven areas listed. (Limit 400 words)

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1. How do 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 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

Describe how knowledge is assessed in six of the 10 areas listed. (Limit 600 words)

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1. How do graduating fellows demonstrate knowledge of the following?
2. Functional characteristics, indications, risks, and process of using indwelling venous access devices
3. Lesion biopsies
4. Paracentesis
5. Skin biopsies
6. Thoracentesis

Describe how knowledge is assessed in four of the five areas listed. (Limit 400 words)

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1. How do 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?. (Limit 300 words)

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1. How do fellows demonstrate knowledge of the application of technology appropriate for the clinical context, including evolving technologies? (Limit 300 words)

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**Practice-Based Learning and Improvement**

1. How do 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? (Limit 300 words)

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**Interpersonal and Communication Skills**

1. How do graduating fellows demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, patients’ families, and other health professionals? (Limit 300 words).

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1. How do graduating fellows demonstrate team leadership skills and the ability to work with an interdisciplinary team? (Limit 300 words)

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**Systems-Based Practice**

1. How do 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? (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. Do fellows have the following?
3. Opportunity to review all knowledge content from conferences they cannot attend [ ] YES [ ] NO
4. Educational activities that allow for fellow-to-fellow interaction [ ] YES [ ] NO
5. Educational activities that allow for fellow-to-faculty member interaction [ ] YES [ ] NO

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

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1. How does the program ensure that fellows participate in multidisciplinary case management or tumor board conferences and in protocol studies? (Limit 300 words)

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**Clinical Experiences**

* + - 1. How does the program ensure that rotations are structured to:
1. allow fellows to function as part of an effective interprofessional team;
2. minimize conflicting inpatient and outpatient responsibilities;
3. minimize the frequency of transitions;
4. provide continuity of patient care;
5. provide ongoing supervision of fellows; and,
6. provide meaningful assessment and feedback?

Describe how this is achieved. (Limit 300 words)

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1. Do fellows have the following?
	* + - 1. Educational experiences in team-based care with other health care professionals [ ] YES [ ] NO
				2. Elective experiences relevant to their future practice [ ] YES [ ] NO
				3. Experience in the role of medical oncology consultant in both an inpatient and outpatient setting [ ] YES [ ] NO
				4. Training using simulation [ ] YES [ ] NO
				5. A structured continuity ambulatory clinic experience for the duration of the program that exposes them to the breadth and depth of medical oncology [ ] YES [ ] NO

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

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

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* + - 1. Do fellows’ clinical experiences:
				1. include additional education, training, and experiences for those fellows who indicate a need to perform specific procedures in their post-fellowship careers? [ ] YES [ ] NO
				2. occur at least 50 percent in the outpatient setting? [ ] YES [ ] NO
				3. include at least one month in autologous bone marrow transplantation? [ ] YES [ ] NO

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

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* + - 1. How does 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. Do fellows have an average of one half-day a week in the ambulatory clinic throughout the educational program? [ ] YES [ ] NO

Explain if ‘NO’. (Limit 250 words)

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1. Are fellows’ continuing patient care experiences interrupted by more than one month, excluding vacation? [ ] YES [ ] NO

Explain if ‘YES.’ (Limit 250 words)

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**Scholarly Activity**

**Fellows’ Scholarly activity**

How does the program ensure that all fellows engage in scholarly activity? (Limit 300 words)

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**The Learning and Working Environment**

**Duty Hour and Work Limitations**

How does the program ensure that 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 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-101. Introduction to Medical Oncologya) Seminarb) Required Y-1c) Survey of contemporary methods and styles of medical oncology, including approaches to clinical work with minority populationsd) Weekly, for 8 sessions02. Departmental Grand Roundsa) Discussion groupsb) Required, Y-1, Y-2, Y-3; Elective Y-4c) 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 is monitored, explain how this is accomplished and how feedback is given regarding non-attendance (Limit 250 words).

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