**Continued Accreditation Application: Radiation Oncology**

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 Radiation 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**

* + - 1. Does the program include an integrated PGY-1? [ ] YES [ ] NO

If ‘YES,’ complete all sections of the application that pertain to the PGY-1.

* + - 1. What is the length, in months, of the educational program?

Choose an item.

**Institutions**

**Sponsoring Institution**

1. Complete the table below for the following ACGME-I-accredited specialty programs at the Sponsoring Institution:

|  |  |
| --- | --- |
| **Specialty**  | **Program Name, Program Director Name, Site**  |
| *General surgery*   | Click here to enter text. |
| *Internal medicine*   | Click here to enter text. |
| *Obstetrics and Gynecology* | Click here to enter text. |
| *Pediatrics* | Click here to enter text. |

**Participating Sites**

* 1. Does the educational program use participating sites in addition to the primary clinical site? [ ] YES [ ] NO

If ‘YES,’ which site provides the majority of educational experience for the program? (Limit 250 words)

|  |
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| Click here to enter text. |

* 1. If ‘YES’ to Question 1 above, does the Program Letter of Agreement specify the following?
	2. How continuity of the educational experience is ensured [ ] YES [ ] NO
	3. The number and types of patients and procedures available to the residents [ ] YES [ ] NO

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

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| Click here to enter text. |

**Program Personnel and Resources**

**Faculty**

List the names of at least four full-time-equivalent (FTE) faculty radiation oncologists who devote their professional time to the program for the teaching of clinical radiation oncology at the primary clinical site. Add rows as needed.

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* + - 1. List the names of the FTE faculty members who are radiation biologist(s) or cancer biologist(s) (PhD level or equivalent) who are on site to provide a scholarly environment of research and to participate in the teaching of radiation and cancer biology to residents. Add rows as needed.

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* + - 1. List the names of the FTE faculty medical physicist(s) (PhD level or equivalent) who are on site to provide a scholarly environment of research and to participate in the teaching of radiation physics to residents. Add rows as needed.

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* + - 1. What percentage of the program’s physician and PhD faculty members demonstrate scholarship as defined in the International Foundational Requirements? %
			2. How do faculty members ensure the residents personally perform technical procedures, including treatment set-ups, and intracavitary and interstitial placement of radiation sources? (Limit 300 words)

|  |
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**Resources**

1. Are the following available at the primary clinical site?

1. A machine with a broad range of electron beam capabilities [ ] YES [ ] NO
2. At least two megavoltage machines [ ] YES [ ] NO
3. A system for the construction of treatment aids [ ] YES [ ] NO
4. Computed tomography (CT) simulation capability [ ] YES [ ] NO
5. Equipment to perform intercavitary brachytherapy [ ] YES [ ] NO
6. Equipment to perform intercavitary radiosurgery [ ] YES [ ] NO
7. Equipment to perform interstitial brachytherapy [ ] YES [ ] NO
8. Equipment to perform interstitial radiosurgery [ ] YES [ ] NO
9. Three-dimensional conformal computerized treatment and planning, including intensity-modulated radiation therapy (IMRT) [ ] YES [ ] NO

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

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| Click here to enter text. |

* 1. Does the program have adequate space and equipment to educate residents in state-of-the-art radiation oncology? [ ] YES [ ] NO

Explain if ‘NO.’ (Limit 250 words)

|  |
| --- |
| Click here to enter text. |

* 1. Does the program have adequate medical services available in the following specialties and subspecialties?
1. Gynecologic oncology [ ] YES [ ] NO
2. Medical oncology [ ] YES [ ] NO
3. Pediatric oncology [ ] YES [ ] NO
4. Surgical oncology and its subspecialties [ ] YES [ ] NO

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

|  |
| --- |
| Click here to enter text. |

* 1. Do residents have access to the following?
1. A clinical laboratory [ ] YES [ ] NO
2. A tumor registry [ ] YES [ ] NO
3. Current imaging techniques [ ] YES [ ] NO
4. Nuclear medicine [ ] YES [ ] NO
5. Pathology [ ] YES [ ] NO

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

|  |
| --- |
| Click here to enter text. |

* 1. Do the primary clinical and participating sites have at least 600 patients receiving external beam irradiation yearly, including stereotactic radiosurgery procedures? [ ] YES [ ] NO

Explain if ‘NO.’ (Limit 250 words)

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| Click here to enter text. |

**Resident Appointment**

**Eligibility Criteria**

1. How do entering residents complete the prerequisite broad-based clinical year?
2. Completion of an ACGME-I-, Accreditation Council for Graduate Medical Education-, or Royal College of Physicians and Surgeons of Canada-accredited transitional year program [ ] YES [ ] NO
3. Completion of 12 months of general surgery or internal medicine [ ] YES [ ] NO
4. Completion of a PGY-1 with oversight from a government or regulatory body [ ] YES [ ] NO
5. Through a PGY-1 integrated into the radiation oncology specialty program [ ] YES [ ] NO

Explain if ‘NO’ to all of the above. (Limit 250 words)

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If the broad-based clinical year is the responsibility of a governmental or regulatory body, answer Questions 2 and 3 below.

If the program includes an integrated PGY-1, answer Questions 4 and 5 below.

If the broad-based clinical year is completed in an accredited program or an accredited preliminary year, skip to the Number of Residents section below.

1. What are the clinical experiences required by the governmental or regulatory body responsible for the broad-based clinical year? (Limit 400 words)

|  |
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1. How does the program ensure an evaluation of each resident’s fundamental clinical skills is completed within six weeks of matriculation into the categorical program? (Limit 300 words)

|  |
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1. Does the integrated PGY-1:
	1. allow residents to engage in direct patient care, including writing orders, progress notes, and relevant records? [ ] YES [ ] NO
	2. allow residents to have responsibility for decision-making? [ ] YES [ ] NO
	3. allow residents with proper supervision to have first-contact responsibility for evaluation and management of all types and acuity levels of patients? [ ] YES [ ] NO
	4. provide a structured program based on scientific knowledge and evidence-based medicine?

 [ ] YES [ ] NO

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

|  |
| --- |
| Click here to enter text. |

1. Do all residents entering the first year of the categorical program have opportunities to achieve the following clinical skills and competencies during the integrated PGY-1?
2. Obtaining a comprehensive medical history [ ] YES [ ] NO
3. Performing a comprehensive physical examination [ ] YES [ ] NO
4. Assessing a patient’s medical condition [ ] YES [ ] NO
5. Making appropriate use of diagnostic studies and tests [ ] YES [ ] NO
6. Integrating information to develop a differential diagnosis [ ] YES [ ] NO
7. Developing, implementing, and evaluating a treatment plan [ ] YES [ ] NO

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

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**Number of Residents**

How does the program ensure there is at least one resident per year of the educational program? (Limit 250 words)

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**Specialty-Specific Educational Program**

**ACGME-I Competencies**

**Professionalism**

* + 1. How do graduating residents demonstrate a commitment to fulfilling their professional responsibilities and to adhering to ethical principles?

Describe how these skills are evaluated. (Limit 300 words)

|  |
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| Click here to enter text. |

* + 1. How do graduating residents demonstrate the following?
1. Compassion, integrity, and respect for others
2. Responsiveness to patient needs that supersedes self-interest
3. Respect for patient privacy and autonomy
4. Accountability to patients, society, and the profession
5. Sensitivity and responsiveness to a diverse patient population, including but not limited to diversity in gender, age, culture, race, religion, disabilities, and sexual orientation

Provide examples of how skill is evaluated in three of the five areas listed. (Limit 300 words)

|  |
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| Click here to enter text. |

**Patient Care and Procedural Skills**

1. How do graduating residents 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 is evaluated. (Limit 300 words)

|  |
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| Click here to enter text. |

1. How do graduating residents demonstrate knowledge of the causes, prevention, and treatment of cancer and certain non-neoplastic conditions utilizing ionizing radiation, including the following?
	1. External beam irradiation
	2. Intracavitary implants
	3. Interstitial implants
	4. Radioimmunotherapy
	5. Stereotactic radiosurgery
	6. Treatment of benign diseases

Provide an example of how competence is evaluated in four of the six areas listed above.

(Limit 400 words)

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1. How do graduating residents demonstrate competence in the safe handling of unsealed sources?

Describe how competence is evaluated. (Limit 350 words)

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1. How do graduating residents demonstrate competence in quality control procedures for instruments used to determine the activity of radiopharmaceuticals for human administration?

Describe how competence is evaluated. (Limit 350 words)

|  |
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| Click here to enter text. |

1. How do graduating residents demonstrate competence in procedures used to perform checks for proper operation of survey meters?

Describe how competence is evaluated. (Limit 350 words)

|  |
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| Click here to enter text. |

**Medical Knowledge**

1. How do graduating residents 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 is evaluated. (Limit 400 words)

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| Click here to enter text. |

1. How do graduating residents demonstrate knowledge of the basic sciences essential to radiation oncology, including medical physics and radiation and cancer biology?

Describe how knowledge is evaluated. (Limit 300 words)

|  |
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| Click here to enter text. |

1. How do graduating residents demonstrate knowledge of radiation safety procedures and calibration of radiation therapy machines?

Describe how knowledge is evaluated. (Limit 300 words)

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1. How do graduating residents demonstrate knowledge of the use of state-of-the-art treatment planning systems?

Describe how knowledge is evaluated. (Limit 300 words)

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| Click here to enter text. |

1. How do graduating residents demonstrate knowledge of the construction of treatment aids?

Describe how knowledge is evaluated. (Limit 300 words)

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| Click here to enter text. |

6. How do graduating residents demonstrate knowledge of the following?

1. Classical effects of ionizing radiation
2. Fundamental biology of the causes, prevention, and treatment of cancer
3. Molecular effects of ionizing radiation
4. Radiation effects on neoplastic tissues
5. Radiation effects on normal tissues

Provide examples of how knowledge is evaluated in three of the five areas listed.

(Limit 300 words)

|  |
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| Click here to enter text. |

1. How do graduating residents demonstrate knowledge of the value and limitations of other oncologic disciplines that play a role in the management of the patient, including the following?
2. Adult medical oncology
3. Pediatric medical oncology
4. Surgical oncology
5. The various surgical specialties

Provide examples of how knowledge is evaluated in three of the four areas listed.

(Limit 300 words)

|  |
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| Click here to enter text. |

1. How do graduating residents demonstrate knowledge of clinical radiation oncology, including the indications for irradiation and special therapeutic considerations unique to each site and stage of disease?

Describe how knowledge is evaluated. (Limit 400 words)

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1. How do graduating residents demonstrate knowledge of the problems of recurrent and disseminated tumors and of late aftereffects and complications of radiation therapy?

Describe how knowledge is evaluated. (Limit 400 words)

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| Click here to enter text. |

1. How do graduating residents demonstrate knowledge of medical statistics?

Describe how knowledge is evaluated. (Limit 300 words)

|  |
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| Click here to enter text. |

**Practice-based Learning and Improvement**

1. How do graduating residents demonstrate their 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 these skills are evaluated. (Limit 300 words)

|  |
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| Click here to enter text. |

1. How do graduating residents demonstrate they have developed skills and habits to be able to meet the following goals?
2. Identify strengths, deficiencies, and limits in one’s knowledge and expertise
3. Identify and perform appropriate learning activities
4. Incorporate formative evaluation feedback into daily practice
5. Locate, appraise, and assimilate evidence from scientific studies related to their patients’ health problems
6. Participate in the education of patients, patients’ families, students, other residents, and other health professionals
7. Set learning and improvement goals
8. Systematically analyze clinical practice using quality improvement methods, and implement changes with the goal of practice improvement
9. Use information technology to optimize learning

Provide examples of how skill is evaluated in five of the eight areas listed. (Limit 500 words)

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| Click here to enter text. |

**Interpersonal and Communication Skills**

How do graduating residents 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 these skills are evaluated. (Limit 300 words)

|  |
| --- |
| Click here to enter text. |

1. How do graduating residents demonstrate their ability to:
2. communicate effectively with patients, patients’ families, and the public, as appropriate, across a broad range of socioeconomic and cultural backgrounds;
3. communicate effectively with physicians, other health professionals, and health-related agencies;
4. work effectively as a member or leader of a health care team or other professional group;
5. act in a consultative role to other physicians and health professionals; and,
6. maintain comprehensive, timely, and legible medical records, if applicable?

Provide examples of how skill is evaluated in three of the five areas listed. (Limit 300 words)

|  |
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| Click here to enter text. |

**Systems-based Practice**

* + - 1. How do graduating residents 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 these skills are evaluated. (Limit 300 words)

|  |
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| Click here to enter text. |

1. How do graduating residents demonstrate their ability to:
2. work effectively in various health care delivery settings and systems relevant to their clinical specialty;
3. coordinate patient care within the health care system relevant to their clinical specialty;
4. incorporate considerations of cost awareness and risk-benefit analysis in patient and/or population-based care as appropriate;
5. advocate for quality patient care and optimal patient care systems;
6. work in interprofessional teams to enhance patient safety and improve patient care quality; and,
7. participate in identifying system errors and implementing potential systems solutions?

Provide examples of how skill is evaluated in four of the six areas listed. (Limit 400 words)

|  |
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| Click here to enter text. |

**Regularly Scheduled Educational Activities**

1. Complete Appendix A., Formal Didactic Sessions by Academic Year, and attach to submission.
2. If it includes an integrated PGY-1,how does the program ensure didactic sessions during the PGY-1 are planned to enhance and correspond to the residents’ fundamental clinical skills education? (Limit 300 words)

|  |
| --- |
| Click here to enter text. |

1. During the educational program in radiation oncology, do didactic sessions include intradepartmental clinical oncology conferences, including the following?
2. Continuous quality improvement [ ] YES [ ] NO
3. Dosimetry [ ] YES [ ] NO
4. Journal review [ ] YES [ ] NO
5. Morbidity and mortality [ ] YES [ ] NO
6. New patient conferences [ ] YES [ ] NO
7. Physics [ ] YES [ ] NO
8. Problem case conferences [ ] YES [ ] NO
9. Radiation and cancer biology [ ] YES [ ] NO
10. Weekly chart reviews [ ] YES [ ] NO

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

|  |
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| Click here to enter text. |

1. Do didactic sessions include basic sciences essential to radiation biology, including medical physics and radiation and cancer biology? [ ] YES [ ] NO

If ‘YES,’ does the radiation and cancer biology curriculum include the following?

1. Cancer prevention [ ] YES [ ] NO
2. Causes of cancer [ ] YES [ ] NO
3. Classical and molecular effects of ionizing radiation [ ] YES [ ] NO
4. Radiation effects on neoplastic tissues [ ] YES [ ] NO
5. Radiation effects on normal tissues [ ] YES [ ] NO
6. Treatment of cancer [ ] YES [ ] NO

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

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| --- |
| Click here to enter text. |

1. Do the didactic sessions include instruction and practical demonstrations of the following?
2. Calibration of radiation therapy machines [ ] YES [ ] NO
3. Radiation safety procedures [ ] YES [ ] NO
4. The construction of treatment aids [ ] YES [ ] NO
5. The safe handling of sealed and unsealed radionuclides [ ] YES [ ] NO
6. The use of state-of-the-art treatment planning systems [ ] YES [ ] NO

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

|  |
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| Click here to enter text. |

1. Does the program provide instruction in safe handling of unsealed sources and address quality control procedures for instruments used to determine the activity of radiopharmaceuticals for human administration? [ ] YES [ ] NO
2. Does the program provide instruction in safe handling of unsealed sources and address quality control procedures used to perform checks for proper operation of survey meters? [ ] YES [ ] NO

Explain any ‘NO’ responses to Questions 6 and 7 above. (Limit 250 words)

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| Click here to enter text. |

1. Do scheduled didactic sessions include instruction in the following?
2. Medical statistics [ ] YES [ ] NO
3. Principles of normal tissue tolerance to radiation and tumor dose response [ ] YES [ ] NO
4. Standard radiation techniques [ ] YES [ ] NO
5. The potential value and limitations of other oncologic disciplines such as medical oncology (both adult and pediatric) [ ] YES [ ] NO
6. The potential value and limitations of other oncologic disciplines such as surgical oncology and the various surgical specialties [ ] YES [ ] NO
7. The use of treatment aids and treatment planning to optimize the distribution of the radiation dose [ ] YES [ ] NO

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

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| Click here to enter text. |

1. Do scheduled didactic sessions include instruction in the use of external beam modalities?

 [ ] YES [ ] NO

If ‘YES,’ does this instruction include the following?

1. Electron beam [ ] YES [ ] NO
2. Computerized treatment planning [ ] YES [ ] NO
3. Megavoltage irradiation [ ] YES [ ] NO
4. Simulation using conventional and CT simulators to localize anatomy [ ] YES [ ] NO

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

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| Click here to enter text. |

1. Complete the table below to indicate if didactic sessions addressing the topics listed. Check ‘YES’ or ‘NO’ for each. If the subject in the left column is not covered, check all ‘NO’ boxes for the topic columns.

|  |  |
| --- | --- |
| **Subject** | **Topics**  |
|  | Physics | Radiation and Cancer Biology | Clinical Applicability  |
|  | Yes | No | Yes | No | Yes | No |
| High and low dose rate brachytherapy  |[ ] [ ] [ ] [ ] [ ] [ ]
| Hyperthermia  |[ ] [ ] [ ] [ ] [ ] [ ]
| Kilovoltage irradiation  |[ ] [ ] [ ] [ ] [ ] [ ]
| Intra-operative radiation therapy  |[ ] [ ] [ ] [ ] [ ] [ ]
| Particle therapy  |[ ] [ ] [ ] [ ] [ ] [ ]
| Plaque therapy  |[ ] [ ] [ ] [ ] [ ] [ ]
| Radioimmunotherapy  |[ ] [ ] [ ] [ ] [ ] [ ]
| Radiosurgery |[ ] [ ] [ ] [ ] [ ] [ ]
| Three dimensional conformal treatment planning and delivery  |[ ] [ ] [ ] [ ] [ ] [ ]
| Total body irradiation as used in stem-cell transplantation  |[ ] [ ] [ ] [ ] [ ] [ ]
| Total skin irradiation  |[ ] [ ] [ ] [ ] [ ] [ ]
| Unsealed sources  |[ ] [ ] [ ] [ ] [ ] [ ]

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

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| Click here to enter text. |

1. Do the conferences and teaching rounds provide for progressive participation of residents?

 [ ] YES [ ] NO

1. Do residents, radiation oncologists, and other staff members attend all required conferences?

 [ ] YES [ ] NO

Explain any ‘NO’ responses to Questions 11 and 12. (Limit 250 words)

|  |
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| Click here to enter text. |

1. Does the clinical curriculum include combined modality therapy and altered fractionation schemes?

 [ ] YES [ ] NO

1. Do scheduled didactic sessions include the following?
2. Pain management [ ] YES [ ] NO
3. Palliative care [ ] YES [ ] NO

Explain any ‘NO’ responses to Questions 13 and 14. (Limit 250 words)

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| Click here to enter text. |

**Clinical Experiences**

If the program includes an integrated PGY-1, answer Questions 1-4 below.
If the program does not have an integrated PGY-1, skip to Question 5.

1. Specify the duration (in months where four weeks = one month) for each rotation or experience during the integrated PGY-1:

|  |  |
| --- | --- |
|  |  |
| Anesthesiology  | Duration |
| Critical care  | Duration |
| Elective experiences  | Duration |
| Emergency medicine  | Duration |
| Family medicine  | Duration |
| Internal medicine  | Duration |
| Neurology | Duration |
| Obstetrics and gynecology  | Duration |
| Pediatrics | Duration |
| Surgery or other surgical specialties  | Duration |

1. Do all residents have clinical experiences in ambulatory care during the integrated PGY-1? [ ] YES [ ] NO

If ‘YES,’ indicate the number of hours of ambulatory care experience: # hours

Explain if ‘NO.’ (Limit 250 words)

|  |
| --- |
| Click here to enter text. |

1. Do all residents entering the first year of the categorical program complete each of the rotations indicated in the table in Question 1 above? [ ] YES [ ] NO

Explain if ‘NO.’ (Limit 250 words)

|  |
| --- |
| Click here to enter text. |

1. Are elective experiences during the integrated PGY-1 determined by the educational needs of each individual resident? [ ] YES [ ] NO

Explain if ‘NO.’ (Limit 250 words)

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| Click here to enter text. |

1. How does the program ensure at least 36 months of the educational program in radiation oncology is spent in clinical activities essential to the specialty? (Limit 350 words)

|  |
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| Click here to enter text. |

6. Does the program provide rotations in medical oncology? [ ] YES [ ] NO

If ‘YES,’ how many months is this experience? # months

If ‘YES,’ does the experience include the following?

1. Adult patients [ ] YES [ ] NO
2. Pediatric patients [ ] YES [ ] NO

If ‘NO,’ is the medical oncology requirement met by documented attendance at regularly-scheduled multidisciplinary conferences (at least four hours per month during the clinical rotations)? [ ] YES [ ] NO

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

|  |
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| Click here to enter text. |

1. Does the program provide a rotation in oncologic pathology? [ ] YES [ ] NO
2. Does the program provide a rotation in diagnostic imaging? [ ] YES [ ] NO

If ‘YES’ to Questions 7 and 8, how many months of total experience is provided in these areas?

 # months

If ‘NO’ to Questions 7 and 8, are these requirements met by multidisciplinary conferences that include pathology and imaging materials for adults and pediatric patients for at least one hour per month during clinical rotations or each discipline? [ ] YES [ ] NO

Explain if all responses are ‘NO.’ (Limit 250 words)

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| Click here to enter text. |

1. How does the program ensure at least nine months of the educational program are provided to allow for in-depth experience in individually-selected areas applicable to clinical radiation oncology? (Limit 300 words)

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| Click here to enter text. |

1. Complete the table below for the past 12-month period, indicating the number of patients treated by the radiation oncology service at each of the program’s participating sites. Site numbers must correspond to ADS. The primary clinical site is site #1.

Data is for the period from:(date)\_\_\_\_\_\_ to (date)\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Procedure** | **Site #1** | **Site #2** | **Site #3** | **Site #4** |
| External beam irradiation |  |  |  |  |
| Interstitial implants |  |  |  |  |
| Intracavitary implants |  |  |  |  |
| Pediatric patients  |  |  |  |  |
| Pediatric patients with solid tumors  |  |  |  |  |
| Radiommunotherapy, other targeted therapeutic radiopharmaceuticals, or unsealed radioactive sources  |  |  |  |  |
| Stereotactic radiosurgery |  |  |  |  |

***Note****: Separate applications of an implant in a single patient (such as two separate intracavitary applications) may be counted as two separate procedures. However, multiple fractions of a single application (such as multiple fractions of an interstitial implant) may be counted only once.*

*Stereotactic radiosurgery may be delivered by a variety of available technologies using image-guided stereotactic localization procedures and may be either intracranial or extracranial. As defined, radiosurgery may be administered in a single fraction or extended to a maximum of five fractions. (More protracted courses of stereotactic radiation should be classified as external beam radiation cases.)*

1. For interstitial and intracavitary implants, are residents routinely involved in the following?
2. Hands-on participation in a significant portion of the implantation procedure [ ] YES [ ] NO
3. Planning [ ] YES [ ] NO
4. Review of dosimetry [ ] YES [ ] NO

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

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| Click here to enter text. |

12. Do residents follow up with irradiated patients, including pediatric patients, on an inpatient or outpatient basis as a required part of the educational program? [ ] YES [ ] NO

Explain if ‘NO.’ (Limit 250 words)

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| Click here to enter text. |

13. Do all residents have experience with the following?

1. Bone tumors [ ] YES [ ] NO
2. Breast tumors [ ] YES [ ] NO
3. Central nervous system tumors [ ] YES [ ] NO
4. Gastrointestinal tumors [ ] YES [ ] NO
5. Genitourinary tumors [ ] YES [ ] NO
6. Gynecologic tumors [ ] YES [ ] NO
7. Head and neck tumors [ ] YES [ ] NO
8. Leukemia [ ] YES [ ] NO
9. Lung tumors [ ] YES [ ] NO
10. Lymphoma [ ] YES [ ] NO
11. Skin tumors [ ] YES [ ] NO
12. Soft tissue tumors [ ] YES [ ] NO
13. Treatment of benign diseases for which radiation is utilized [ ] YES [ ] NO

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

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| Click here to enter text. |

**Scholarly Activity**

1. Do all residents complete an investigative project under faculty member supervision? [ ] YES [ ] NO

If ‘YES,’ is project based in biological laboratory research, clinical research, translational research, medical physics research, or other research approved by the program director? [ ] YES [ ] NO

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

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| Click here to enter text. |

2. Are the results of these projects suitable for publication in peer-reviewed scholarly journals or presentation at scientific meetings? [ ] YES [ ] NO

Explain if ‘NO.’ (Limit 250 words)

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| Click here to enter text. |

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

For each year of the residency, 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 residents rotate, using the format below. If attended by residents 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:**

|  |
| --- |
| Y-101. Introduction to Radiation Oncology a) Seminarb) Required Y-1c) Survey of contemporary methods and styles of radiation oncology, including approaches to clinical work with minority populations.d) Weekly, for 8 sessions.02. 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 resident presentations and discussions with additional faculty discussant.d) Twice monthly, 24 sessions |

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

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| Click here to enter text. |