

Specialty-specific References for DIOs: Resident/Fellow Scholarly Activity

ACGME

Common Program Requirements are in bold

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
Allergy and Immunology	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. <small>(Core)</small></p> <p>IV.B.1.a) The program must provide residents with a research experience that results in an understanding of the basic principles of study design, performance (including data collection), data analysis (including statistics and epidemiology), and reporting research results. <small>(Detail)</small></p> <p>IV.B.2. Residents should participate in scholarly activity. <small>(Core)</small></p> <p>IV.B.2.a) Under faculty member supervision, each resident must design and conduct allergy and/or immunology research that is either laboratory-based, epidemiologic, continuous quality improvement, or clinical investigation-based. <small>(Outcome)</small></p> <p>IV.B.2.a).(1) Residents must present their research findings orally and in writing. <small>(Outcome)</small></p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. <small>(Detail)</small></p>
Anesthesiology	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. <small>(Core)</small></p> <p>IV.B.2. Residents should participate in scholarly activity. <small>(Core)</small></p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. <small>(Detail)</small></p> <p>IV.B.4. Each resident must complete, under faculty member supervision, an academic assignment. <small>(Core)</small></p> <p>IV.B.4.a) Academic assignments should include grand rounds presentations, preparation and publication of review articles, book chapters, manuals for teaching or clinical practice, or development, performance, or participation in one or more clinical or laboratory investigations. <small>(Detail)</small></p>

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	IV.B.4.b) The outcome of resident investigations should be suitable for presentation at local, regional, or national scientific meetings, and/or result in peer-reviewed abstracts or manuscripts. ^(Detail)
Adult Cardiothoracic Anesthesiology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. All fellows must complete a scholarly project. ^(Core)</p> <p>IV.B.1.a) The results of such projects must be disseminated through a variety of means, including publication or presentation at local, regional, national, or international meetings. ^(Core)</p>
Anesthesiology Critical Care Medicine	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The program must provide instruction in the fundamentals of research design and conduct, and the interpretation and presentation of data. ^(Detail)</p> <p>IV.B.2. During the program, fellows must participate in at least one clinical or other research project related to critical care medicine. ^(Core)</p> <p>IV.B.2.a) Results of each project must be disseminated through publication or presentation at local, regional, national, or international meetings. ^(Detail)</p>
Obstetric Anesthesiology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Each fellow should conduct or be substantially involved in a scholarly project related to the subspecialty which leads to both presentation at a national meeting, and publication. ^(Outcome)</p> <p>IV.B.1.a) Fellows must have a faculty mentor overseeing the project. ^(Core)</p>
Pediatric Anesthesiology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The program must provide instruction in the fundamentals of research design and conduct, and the interpretation and presentation of data. ^(Core)</p> <p>IV.B.2. Each fellow must complete a scholarly project, the results of which must be disseminated through a variety of means, including publication or presentation at local, regional, national, or international meetings. ^(Core)</p>
Regional Anesthesiology and Acute Pain Medicine	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. All fellows must complete a scholarly project. ^(Core)</p> <p>IV.B.1.a) The results of such projects must be disseminated through a variety of means, including publication or presentation at local, regional, national, or international meetings. ^(Core)</p> <p>IV.B.1.b) To accomplish these objectives, the members of the regional anesthesiology and acute pain</p>

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	<p>medicine faculty must mentor fellows in the preparation of research proposals, research methodology, and authorship guidelines. ^(Core)</p> <p>IV.B.1.b).(1) Fellows should give research presentations at national or regional meetings. ^(Detail)</p> <p>IV.B.1.c) Fellows must:</p> <p>IV.B.1.c).(1) engage in teaching activities as a major activity of the fellowship. ^(Core)</p> <p>IV.B.1.c).(2) create and present a lecture during departmental or divisional grand rounds, or at a local, regional, or national meeting, covering a topic, research, or case relevant to regional anesthesia or acute pain medicine; ^(Core)</p> <p>IV.B.1.c).(3) prepare and present resident education lectures and journal reviews for regional anesthesia and/or acute pain medicine subspecialty conferences; ^(Core)</p> <p>IV.B.1.c).(4) participate and direct cadaver anatomy laboratories for regional anesthesia if available; ^(Core)</p> <p>IV.B.1.c).(5) develop teaching techniques by instructing residents and/or medical students at the bedside with the supervision of faculty member(s); and, ^(Core)</p> <p>IV.B.1.c).(6) review and enhance web-based teaching resources, such as resident teaching materials, curriculum documents, and self-study and testing materials. ^(Core)</p>
Colon and Rectal Surgery	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Residents should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Each resident should participate in at least two of the following activities: ^(Detail)</p> <p>IV.B.2.a).(1) one or more ongoing research studies with the faculty; ^(Detail)</p> <p>IV.B.2.a).(2) one or more resident-initiated research project with faculty supervision; ^(Detail)</p> <p>IV.B.2.a).(3) one or more scientific presentations at local, regional, national or international meetings; ^(Detail)</p> <p>IV.B.2.a).(4) preparation/submission of one or more articles for peer-reviewed publications; or, ^(Detail)</p> <p>IV.B.2.a).(5) writing one or more book chapters or current standards papers. ^(Detail)</p>

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	<p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. ^(Detail)</p> <p>IV.B.3.a) The program should provide support for residents involved in research, including research design, technical support and statistical analysis. ^(Detail)</p> <p>IV.B.4. The program director must document each resident’s scholarly activity annually. ^(Core)</p>
Dermatology	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Residents should participate in scholarly activity. ^(Core)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. ^(Detail)</p> <p>IV.B.4. Basic science and clinical investigation must be included in the educational experience of residents.</p> <p>IV.B.4.a) All residents should participate or have education regarding basic science and/or clinical research during the program. ^(Core)</p> <p>IV.B.5. Residents must be provided protected time and funding to attend at least one national meeting during the program. ^(Core)</p> <p>IV.B.6. Residents must prepare oral or poster presentations, or manuscripts suitable for publication in peer-reviewed journals. ^(Core)</p>
Micrographic Surgery and Dermatologic Oncology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>Each fellow must demonstrate scholarly activity through at least one of the following: ^(Core)</p> <p>IV.B.1. preparation of one or more manuscripts suitable for submission to a peer-reviewed publication; or, ^(Outcome)</p> <p>IV.B.2. one or more presentations at local, regional, or national professional society meetings on topics relevant to procedural dermatology. ^(Outcome)</p>
Diagnostic Radiology	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research,</p>

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	<p>including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Residents should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Residents must have training in critical thinking skills and research design. ^(Core)</p> <p>IV.B.2.b), All residents must engage in a scholarly project under faculty member supervision. ^(Core)</p> <p>IV.B.2.b).(2) The results of such projects must be published or presented at institutional, local, regional, national, or international meetings, and must be included in each resident’s learning portfolio. ^(Outcome)</p> <p>IV.B.2.b).(3) The program should specify how each project will be evaluated. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. ^(Detail)</p>
Abdominal Radiology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The program must provide instruction in the fundamentals of experimental design, performance, and interpretation of results. ^(Core)</p> <p>IV.B.2. All fellows must engage in a scholarly project. ^(Core)</p> <p>IV.B.2.a) This project may take the form of laboratory research, clinical research, analysis of disease processes, imaging techniques, or practice management issues. ^(Detail)</p> <p>IV.B.2.b) The results of such projects must be submitted for publication or presented at departmental, institutional, local, regional, national or international meetings. ^(Outcome)</p>
Musculoskeletal Radiology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The program must provide instruction in the fundamentals of experimental design, performance, and interpretation of results. ^(Core)</p> <p>IV.B.2. All fellows must engage in a scholarly project. ^(Core)</p> <p>IV.B.2.a) This project may take the form of laboratory research, clinical research, analysis of disease processes, imaging techniques, or practice management issues. ^(Detail)</p> <p>IV.B.2.b) The results of such projects must be submitted for publication or presented at departmental, institutional, local, regional, national or international meetings. ^(Outcome)</p> <p>IV.B.3. Laboratory facilities to support research projects should be available in the institution. ^(Detail)</p>

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Neuroradiology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The fellows should learn the fundamentals of experimental design, performance, and interpretation of results. ^(Core)</p> <p>IV.B.2. Fellows should participate in clinical, basic biomedical, or health services research projects. ^(Core)</p> <p>IV.B.2.a) Fellows should be encouraged to undertake at least one project as principal investigator. ^(Detail)</p> <p>IV.B.3. Fellows should submit at least one scientific paper or exhibit for presentation at a regional or national meeting. ^(Outcome)</p> <p>IV.B.4. The opportunity also must be provided for fellows to develop their competence in critical assessment of new imaging modalities and of new procedures in neuroradiology. ^(Core)</p>
Nuclear Radiology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The program must provide instruction in the fundamentals of experimental design, performance, and interpretation of results. ^(Core)</p> <p>IV.B.2. All fellows must engage in a scholarly project. ^(Core)</p> <p>IV.B.2.a) This project may take the form of laboratory research, clinical research, analysis of disease processes, imaging techniques, or practice management issues. ^(Detail)</p> <p>IV.B.2.b) The results of such projects must be submitted for publication or presented at departmental, institutional, local, regional, national or international meetings. ^(Outcome)</p>
Pediatric Radiology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The program must provide instruction in the fundamentals of experimental design, performance, and interpretation of results. ^(Core)</p> <p>IV.B.2. All fellows must engage in a scholarly project. ^(Core)</p> <p>IV.B.2.a) This project may take the form of laboratory research, clinical research, analysis of disease processes, imaging techniques, or practice management issues. ^(Detail)</p> <p>IV.B.2.b) The results of such projects must be submitted for publication or presented at departmental, institutional, local, regional, national or international meetings. ^(Outcome)</p>
Vascular Interventional Radiology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The program should provide instruction in the fundamentals of experimental design,</p>

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	<p>performance, and interpretation of results. ^(Core)</p> <p>IV.B.2. All fellows must engage in a scholarly project. ^(Core)</p> <p>IV.B.2.a) This project may take the form of laboratory research, clinical research, analysis of disease processes, imaging techniques, or practice management issues. ^(Detail)</p> <p>IV.B.2.b) The results of such projects must be submitted for publication or presented at departmental, institutional, local, regional, national or international meetings. ^(Detail)</p> <p>IV.B.3. The opportunity must be provided for fellows to develop their competence in critical assessment of new imaging modalities and of new procedures in vascular and interventional radiology. ^(Detail)</p> <p>IV.B.4. Training should provide opportunities for research in new technologies. ^(Detail)</p> <p>IV.B.5. Fellows should be able to evaluate clinical outcomes of interventional radiology. ^(Outcome)</p> <p>IV.B.6. Fellows should participate in clinical, basic biomedical or health services research projects. ^(Core)</p> <p>IV.B.6.a) Fellows should be encouraged to undertake at least one project as principal investigator. ^(Detail)</p> <p>IV.B.7. Fellows should submit at least one scientific paper or exhibit to a regional or national meeting. ^(Outcome)</p>
Emergency Medicine	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Residents should participate in scholarly activity. ^(Core)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. ^(Detail)</p>
Emergency Medical Services	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Fellows must participate in scholarly activity that includes at least one of the following:</p> <p>IV.B.2.a) peer-reviewed funding and research; ^(Outcome)</p> <p>IV.B.2.b) publication of original research or review articles; or, ^(Outcome)</p>

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	IV.B.2.c) presentations at local, regional, or national professional and scientific society meetings. ^(Outcome)
Pediatric Emergency Medicine	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
Family Medicine	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Residents should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Residents should complete two scholarly activities, at least one of which should be a quality improvement project. ^(Outcome)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. ^(Detail)</p>
Internal Medicine	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Residents should participate in scholarly activity. ^(Core)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. ^(Detail)</p>
Adult Congenital Heart Disease	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Each program must provide an opportunity for fellows to participate in research or other scholarly activities, including: ^(Core)</p> <p>IV.B.1.a) a research project (with faculty mentorship); or, ^(Detail)</p> <p>IV.B.1.b) participation with the faculty in the initiation and conduct of clinical trials within the department;</p>

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	<p>or, ^(Detail)</p> <p>IV.B.1.c) participation in quality assurance/quality improvement or process improvement projects. ^(Detail)</p>
Advanced Heart Failure/Transplant Cardiology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Each program must provide an opportunity for fellows to participate in research or other scholarly activities, including: ^(Core)</p> <p>IV.B.1.a) a research project (with faculty mentorship); or, ^(Detail)</p> <p>IV.B.1.b) participation with the faculty in the initiation and conduct of clinical trials within the department; or, ^(Detail)</p> <p>IV.B.1.c) participation in quality assurance/quality improvement or process improvement projects. ^(Detail)</p>
Cardiovascular Disease	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) The majority of fellows must demonstrate evidence of scholarship conducted during the fellowship ^(Outcome)</p> <p>This should be achieved through one or more of the following:</p> <p>IV.B.2.a).(1) publication of articles, book chapters, abstracts or case reports in peer-reviewed journals; ^(Detail)</p> <p>IV.B.2.a).(2) publication of peer-reviewed performance improvement or education research; ^(Detail)</p> <p>IV.B.2.a).(3) peer-reviewed funding; or, ^(Detail)</p> <p>IV.B.2.a).(4) peer-reviewed abstracts presented at regional, state, or national specialty meetings. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
Clinical Cardiac Electrophysiology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Fellows must participate in scholarly activity, including at least one of the following: ^(Core)</p> <p>IV.B.1.a) a research project (with faculty member mentorship); or, ^(Detail)</p>

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	IV.B.1.b) participation with the faculty member in the initiation and conduct of clinical trials within the department; or, ^(Detail) IV.B.1.c) participation in quality assurance/quality improvement or process improvement projects. ^(Detail)
Critical Care Medicine	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) The majority of fellows must demonstrate evidence of scholarship conducted during the fellowship ^(Outcome)</p> <p>This should be achieved through one or more of the following:</p> <p>IV.B.2.a).(1) publication of articles, book chapters, abstracts or case reports in peer-reviewed journals; ^(Detail)</p> <p>IV.B.2.a).(2) publication of peer-reviewed performance improvement or education research; ^(Detail)</p> <p>IV.B.2.a).(3) peer-reviewed funding; or, ^(Detail)</p> <p>IV.B.2.a).(4) peer-reviewed abstracts presented at regional, state, or national specialty meetings. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
Endocrinology, Diabetes and Metabolism	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) The majority of fellows must demonstrate evidence of scholarship conducted during the fellowship ^(Outcome)</p> <p>This should be achieved through one or more of the following:</p> <p>IV.B.2.a).(1) publication of articles, book chapters, abstracts or case reports in peer-reviewed journals; ^(Detail)</p>

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	<p>IV.B.2.a).(2) publication of peer-reviewed performance improvement or education research; ^(Detail)</p> <p>IV.B.2.a).(3) peer-reviewed funding; or, ^(Detail)</p> <p>IV.B.2.a).(4) peer-reviewed abstracts presented at regional, state, or national specialty meetings. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
Gastroenterology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) The majority of fellows must demonstrate evidence of scholarship conducted during the fellowship ^(Outcome)</p> <p>This should be achieved through one or more of the following:</p> <p>IV.B.2.a).(1) publication of articles, book chapters, abstracts or case reports in peer-reviewed journals; ^(Detail)</p> <p>IV.B.2.a).(2) publication of peer-reviewed performance improvement or education research; ^(Detail)</p> <p>IV.B.2.a).(3) peer-reviewed funding; or, ^(Detail)</p> <p>IV.B.2.a).(4) peer-reviewed abstracts presented at regional, state, or national specialty meetings. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
Hematology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) The majority of fellows must demonstrate evidence of scholarship conducted during the fellowship ^(Outcome)</p>

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	<p>This should be achieved through one or more of the following:</p> <p>IV.B.2.a).(1) publication of articles, book chapters, abstracts or case reports in peer-reviewed journals; (Detail)</p> <p>IV.B.2.a).(2) publication of peer-reviewed performance improvement or education research; (Detail)</p> <p>IV.B.2.a).(3) peer-reviewed funding; or, (Detail)</p> <p>IV.B.2.a).(4) peer-reviewed abstracts presented at regional, state, or national specialty meetings. (Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. (Detail)</p>
Hematology and Medical Oncology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. (Core)</p> <p>IV.B.2. Fellows should participate in scholarly activity. (Core)</p> <p>IV.B.2.a) The majority of fellows must demonstrate evidence of scholarship conducted during the fellowship (Outcome)</p> <p>This should be achieved through one or more of the following:</p> <p>IV.B.2.a).(1) publication of articles, book chapters, abstracts or case reports in peer-reviewed journals; (Detail)</p> <p>IV.B.2.a).(2) publication of peer-reviewed performance improvement or education research; (Detail)</p> <p>IV.B.2.a).(3) peer-reviewed funding; or, (Detail)</p> <p>IV.B.2.a).(4) peer-reviewed abstracts presented at regional, state, or national specialty meetings. (Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. (Detail)</p>
Infectious Disease	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. (Core)</p>

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	<p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) The majority of fellows must demonstrate evidence of scholarship conducted during the fellowship ^(Outcome)</p> <p>This should be achieved through one or more of the following:</p> <p>IV.B.2.a).(1) publication of articles, book chapters, abstracts or case reports in peer-reviewed journals; ^(Detail)</p> <p>IV.B.2.a).(2) publication of peer-reviewed performance improvement or education research; ^(Detail)</p> <p>IV.B.2.a).(3) peer-reviewed funding; or, ^(Detail)</p> <p>IV.B.2.a).(4) peer-reviewed abstracts presented at regional, state, or national specialty meetings. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
Interventional Cardiology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Each program must provide an opportunity for fellows to participate in research or other scholarly activities, including: ^(Core)</p> <p>IV.B.1.a) a research project (with faculty mentorship); or, ^(Detail)</p> <p>IV.B.1.b) participation with the faculty in the initiation and conduct of clinical trials within the department; or, ^(Detail)</p> <p>IV.B.1.c) participation in quality assurance/quality improvement or process improvement projects. ^(Detail)</p>
Medical Oncology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) The majority of fellows must demonstrate evidence of scholarship conducted during the fellowship ^(Outcome)</p> <p>This should be achieved through one or more of the following:</p> <p>IV.B.2.a).(1) publication of articles, book chapters, abstracts or case reports in peer-reviewed journals;</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>(Detail)</p> <p>IV.B.2.a).(2) publication of peer-reviewed performance improvement or education research; (Detail)</p> <p>IV.B.2.a).(3) peer-reviewed funding; or, (Detail)</p> <p>IV.B.2.a).(4) peer-reviewed abstracts presented at regional, state, or national specialty meetings. (Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. (Detail)</p>
Nephrology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. (Core)</p> <p>IV.B.2. Fellows should participate in scholarly activity. (Core)</p> <p>IV.B.2.a) The majority of fellows must demonstrate evidence of scholarship conducted during the fellowship (Outcome)</p> <p>This should be achieved through one or more of the following:</p> <p>IV.B.2.a).(1) publication of articles, book chapters, abstracts or case reports in peer-reviewed journals; (Detail)</p> <p>IV.B.2.a).(2) publication of peer-reviewed performance improvement or education research; (Detail)</p> <p>IV.B.2.a).(3) peer-reviewed funding; or, (Detail)</p> <p>IV.B.2.a).(4) peer-reviewed abstracts presented at regional, state, or national specialty meetings. (Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. (Detail)</p>
Pulmonary Critical Care	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. (Core)</p> <p>IV.B.2. Fellows should participate in scholarly activity. (Core)</p> <p>IV.B.2.a) The majority of fellows must demonstrate evidence of scholarship conducted during the</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>fellowship ^(Outcome)</p> <p>This should be achieved through one or more of the following:</p> <p>IV.B.2.a).(1) publication of articles, book chapters, abstracts or case reports in peer-reviewed journals; ^(Detail)</p> <p>IV.B.2.a).(2) publication of peer-reviewed performance improvement or education research; ^(Detail)</p> <p>IV.B.2.a).(3) peer-reviewed funding; or, ^(Detail)</p> <p>IV.B.2.a).(4) peer-reviewed abstracts presented at regional, state, or national specialty meetings. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
Pulmonary Disease	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) The majority of fellows must demonstrate evidence of scholarship conducted during the fellowship ^(Outcome)</p> <p>This should be achieved through one or more of the following:</p> <p>IV.B.2.a).(1) publication of articles, book chapters, abstracts or case reports in peer-reviewed journals; ^(Detail)</p> <p>IV.B.2.a).(2) publication of peer-reviewed performance improvement or education research; ^(Detail)</p> <p>IV.B.2.a).(3) peer-reviewed funding; or, ^(Detail)</p> <p>IV.B.2.a).(4) peer-reviewed abstracts presented at regional, state, or national specialty meetings. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
Rheumatology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>care. ^(Core)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) The majority of fellows must demonstrate evidence of scholarship conducted during the fellowship ^(Outcome)</p> <p>This should be achieved through one or more of the following:</p> <p>IV.B.2.a).(1) publication of articles, book chapters, abstracts or case reports in peer-reviewed journals; ^(Detail)</p> <p>IV.B.2.a).(2) publication of peer-reviewed performance improvement or education research; ^(Detail)</p> <p>IV.B.2.a).(3) peer-reviewed funding; or, ^(Detail)</p> <p>IV.B.2.a).(4) peer-reviewed abstracts presented at regional, state, or national specialty meetings. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
Transplant Hepatology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Each program must provide an opportunity for fellows to participate in research or other scholarly activities, including: ^(Core)</p> <p>IV.B.1.a) a research project (with faculty mentorship); or, ^(Detail)</p> <p>IV.B.1.b) participation with the faculty in the initiation and conduct of clinical trials within the department; or, ^(Detail)</p> <p>IV.B.1.c) participation in quality assurance/quality improvement or process improvement projects. ^(Detail)</p>
Interventional Radiology	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Residents should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Residents must have training in critical thinking skills and research design ^(Core)</p> <p>IV.B.2.b) All residents must engage in a scholarly project under faculty member supervision. ^(Core)</p> <p>IV.B.2.b).(2) The results of such projects must be published or presented at, institutional, local, regional,</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>national or international meetings, and must be included in each residents’ Learning Portfolios. ^(Outcome)</p> <p>IV.B.2.b).(3) The program should specify how each project will be evaluated. ^(Detail)</p> <p>IV.B.2.c)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. ^(Detail)</p>
Medical Genetics and Genomics	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Residents should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Each resident must demonstrate scholarship through submission of at least one scientific presentation, abstract, or publication. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. ^(Detail)</p>
Medical Biochemical Genetics	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Fellows must participate in scholarly activity. ^(Core)</p> <p>IV.B.3. The sponsoring institution and program must allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Core)</p>
Neurological Surgery	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Residents should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Residents must participate in the development of new knowledge, learn to evaluate research findings, and develop habits of inquiry as a continuing professional responsibility. ^(Core)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	to facilitate resident involvement in scholarly activities. ^(Detail)
Neurology	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Residents should participate in scholarly activity. ^(Core)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. ^(Detail)</p>
Child Neurology	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Residents should participate in scholarly activity. ^(Core)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. ^(Detail)</p> <p>IV.B.4. The curriculum must advance residents’ knowledge of the basic principles of evidence-based medicine and research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.5. Residents should participate in scholarly activity under the mentorship of program faculty members. ^(Core)</p> <p>IV.B.6. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. ^(Core)</p> <p>IV.B.7. Residents should receive support to attend one regional, national, or international professional conference during the program. ^(Detail)</p> <p>IV.B.8. Child neurology education must be conducted in centers where there is active ongoing research in both clinical and basic neuroscience fields. ^(Detail)</p>
Clinical Neurophysiology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of evidence-based medicine and research, including how research is conducted, evaluated, explained to patients, and</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>applied to patient care. ^(Core)</p> <p>IV.B.2. Fellows should participate in scholarly activity under the mentorship of program faculty members. ^(Core)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Core)</p> <p>IV.B.4. Fellows should receive support to attend one regional, national, or international professional conference during the program. ^(Detail)</p>
Epilepsy	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of evidence-based medicine and research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Fellows should participate in scholarly activity under the mentorship of program faculty members. ^(Core)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Core)</p> <p>IV.B.4. Fellows should receive support to attend one regional, national, or international professional conference during the program. ^(Detail)</p>
Neurodevelopmental Disabilities	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Residents should participate in scholarly activity. ^(Core)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. ^(Detail)</p> <p>IV.B.4. The curriculum must advance residents’ knowledge of the basic principles of evidence-based medicine and research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.5. Residents should participate in scholarly activity under the mentorship of program faculty members. ^(Core)</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>IV.B.6. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. ^(Core)</p> <p>IV.B.7. Residents should receive support to attend one regional, national, or international professional conference during the program. ^(Detail)</p>
Vascular Neurology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of evidence-based medicine and research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Fellows should participate in scholarly activity under the mentorship of program faculty members. ^(Core)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Core)</p> <p>IV.B.4. Fellows should receive support to attend one regional, national, or international professional conference during the program. ^(Detail)</p>
Nuclear Medicine	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Residents should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) All residents must participate in a scholarly project under faculty member supervision. ^(Core)</p> <p>IV.B.2.a).(1) The scholarly project should take the form of laboratory research, clinical research, or the analysis of disease processes, imaging techniques, or practice management issues. ^(Detail)</p> <p>IV.B.2.a).(2) The results must be published or presented at institutional, local, regional, or national meetings, and included in the Resident Learning Portfolio. ^(Outcome)</p> <p>IV.B.2.a).(3) The program must specify how each project will be evaluated. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. ^(Detail)</p>
Obstetrics and	IV.B. Residents’ Scholarly Activities

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
Gynecology	<p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Residents should participate in scholarly activity. ^(Core)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. ^(Detail)</p>
Gynecologic Oncology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) The goals and objectives of research rotations must be reviewed by the fellows with their research mentors. ^(Core)</p> <p>IV.B.2.b) The research curriculum must include:</p> <p>IV.B.2.b).(1) didactic instruction in research design, grant writing, research methodology, scientific writing, and presentation skills; ^(Detail)</p> <p>IV.B.2.b).(2) enhancement of fellows’ understanding of the latest scientific techniques and encouragement of interaction with other scientists; ^(Core)</p> <p>IV.B.2.b).(3) the opportunity to present their academic contributions to the gynecologic oncology community; ^(Core)</p> <p>IV.B.2.b).(4) preparation to pursue research funding and academic positions; and, ^(Core)</p> <p>IV.B.2.b).(5) preparation to be an independent investigator. ^(Core)</p> <p>IV.B.2.c) Scholarly Paper (Thesis)</p> <p>The program must ensure that each fellow completes a thesis and defends it during his/her fellowship. ^(Core)</p> <p>IV.B.2.c).(1) A copy of the manuscript and the thesis defense documentation must be available upon request. ^(Core)</p> <p>IV.B.2.c).(2) Under the direction of a faculty mentor, each fellow must complete a comprehensive</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>written scholarly paper during the program that demonstrates: ^(Core)</p> <p>IV.B.2.c).(2).(a) utilization of advanced research methodology and techniques, including research design and quantitative analysis; ^(Core)</p> <p>IV.B.2.c).(2).(b) collection and statistical analysis of information obtained from a structured basic translational and/or clinical research setting; and, ^(Core)</p> <p>IV.B.2.c).(2).(c) synthesis of the scientific literature, hypothesis testing, and description of findings and results. ^(Core)</p> <p>IV.B.2.d) Prior to completion of the fellowship, each fellow must have:</p> <p>IV.B.2.d).(1) a thesis of such quality as to allow him/her admittance to the American Board of Obstetrics and Gynecology or American Osteopathic Association Subspecialty Oral Examination; ^(Core)</p> <p>IV.B.2.d).(2) completed the work on the thesis; ^(Core)</p> <p>IV.B.2.d).(3) completed and submitted a written manuscript to the program director; and, ^(Core)</p> <p>IV.B.2.d).(4) defended the thesis to the program director, research mentor, or thesis committee, and other members of the Division. ^(Core)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
Maternal-Fetal Medicine	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) The goals and objectives of research rotations must be reviewed by a fellow with his/her research mentor. ^(Core)</p> <p>IV.B.2.b) A fellow’s research curriculum must include:</p> <p>IV.B.2.b).(1) biostatistics, epidemiology, research design, and research methods, including basic science techniques; ^(Core)</p> <p>IV.B.2.b).(2) opportunities for structured basic, translational, and/or clinical research; ^(Core)</p> <p>IV.B.2.b).(3) enhancement of the fellow’s understanding of the latest scientific techniques and</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>encouragement of interaction with other scientists; ^(Core)</p> <p>IV.B.2.b).(4) the opportunity for the fellow to present his/her academic contributions to the maternal-fetal medicine community; and, ^(Core)</p> <p>IV.B.2.b).(5) preparation of the fellow to obtain research funding and academic positions. ^(Core)</p> <p>IV.B.2.c) Scholarly Paper (Thesis)</p> <p>The program must ensure that each fellow completes a thesis and defends it during his/her fellowship program. ^(Core)</p> <p>IV.B.2.c).(1) A copy of the manuscript and the thesis defense documentation must be available upon request. ^(Core)</p> <p>IV.B.2.c).(2) Under the direction of a faculty mentor, each fellow must complete a comprehensive written scholarly paper (thesis) during the program that demonstrates the following: ^(Core)</p> <p>IV.B.2.c).(2).(a) utilization of advanced research methodology and techniques, including research design and quantitative analysis; ^(Core)</p> <p>IV.B.2.c).(2).(b) collection and statistical analysis of information obtained from a structured basic, translational, and/or clinical research setting; and, ^(Core)</p> <p>IV.B.2.c).(2).(c) synthesis of the scientific literature, hypothesis testing, and description of findings and results. ^(Core)</p> <p>IV.B.2.d) Prior to completion of the fellowship, each fellow must have:</p> <p>IV.B.2.d).(1) a completed thesis of such quality as to allow him/her admittance to the American Board of Obstetrics and Gynecology or American Osteopathic Association Subspecialty Oral Examination for Maternal-Fetal Medicine; ^(Core)</p> <p>IV.B.2.d).(2) completed and submitted a written manuscript to the program director; and, ^(Core)</p> <p>IV.B.2.d).(3) defended the thesis to their program director, research mentor, or thesis committee, and other appropriate members of the Division. ^(Core)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
Reproductive Endocrinology and Infertility	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>care. ^(Core)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) The goals and objectives of the research rotations must be reviewed by the fellow with his/her research mentor. ^(Core)</p> <p>IV.B.2.b) The research curriculum must include:</p> <p>IV.B.2.b).(1) opportunities for structured basic, translational, and/or clinical research; ^(Core)</p> <p>IV.B.2.b).(2) enhancement of the fellows’ understanding of the latest scientific techniques and encouragement of interaction with other scientists; ^(Core)</p> <p>IV.B.2.b).(3) the opportunity for the fellows to present their academic contributions to the national reproductive endocrinology and infertility community; ^(Core)</p> <p>IV.B.2.b).(4) preparation of the fellows to obtain research funding and academic positions; and, ^(Core)</p> <p>IV.B.2.b).(5) preparation of the fellows to be independent investigators. ^(Core)</p> <p>IV.B.2.c) Scholarly Paper (Thesis)</p> <p>The program must ensure that each fellow completes a thesis and defends it during his/her fellowship program.</p> <p>IV.B.2.c).(1) A copy of the manuscript and the thesis defense documentation must be available upon request. ^(Core)</p> <p>IV.B.2.c).(2) Under the direction of a faculty mentor, the fellow must complete a comprehensive written scholarly paper (thesis) during the program that demonstrates the following: ^(Core)</p> <p>IV.B.2.c).(2).(a) utilization of advanced research methodology and techniques, including research design and quantitative analysis; ^(Core)</p> <p>IV.B.2.c).(2).(b) collection and statistical analysis of information obtained from a structured basic, translational, and/or clinical research setting; and, ^(Core)</p> <p>IV.B.2.c).(2).(c) synthesis of the scientific literature, hypothesis testing, and description of findings and results. ^(Core)</p> <p>IV.B.2.c).(3) Prior to completion of the fellowship, each fellow must have:</p> <p>IV.B.2.c).(3).(a) a thesis of such quality as to allow him/her admittance to the American Board of Obstetrics and Gynecology or American Osteopathic Association Subspecialty Oral Examination; ^(Core)</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>IV.B.2.c).(3).(b) completed the work on the thesis; ^(Core)</p> <p>IV.B.2.c).(3).(c) completed and submitted a written manuscript to the program director; ^(Core)</p> <p>IV.B.2.c).(3).(d) defended the thesis to the program director, research mentor, or thesis committee, and other members of the Division; and, ^(Core)</p> <p>IV.B.2.c).(3).(e) a formal written assessment of the thesis defense by the faculty. ^(Outcome)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
Ophthalmology	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Residents should participate in scholarly activity. ^(Core)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. ^(Detail)</p>
Ophthalmic Plastic and Reconstructive Surgery	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Research activities should include participation in clinical trials, prospective and retrospective studies, case reports, and basic science research where feasible. ^(Detail)</p> <p>IV.B.2.b) Fellows should attend local and regional conferences relevant to ophthalmic plastic and reconstructive surgery. ^(Detail)</p> <p>IV.B.2.c) Fellows must actively participate, along with the ophthalmic plastic and reconstructive surgery faculty, in a journal club three times per year. The fellow and faculty should present and critically discuss selections from the current literature. ^(Detail)</p> <p>IV.B.2.d) Each fellow should be a lead author of one peer-reviewed publication related to ophthalmic surgery during fellowship education. ^(Detail)</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
<p>Orthopaedic Surgery</p>	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.1.a) Resident education must include instruction in experimental design, hypothesis testing, and other current research methods, as well as participation in clinical or basic research. ^(Detail)</p> <p>IV.B.2. Residents should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Each resident must demonstrate scholarship through at least one of the following activities:</p> <p>IV.B.2.a).(1) participation in sponsored research; ^(Outcome)</p> <p>IV.B.2.a).(2) preparation of an article for a peer-reviewed publication; ^(Outcome)</p> <p>IV.B.2.a).(3) presentation of research at a regional or national meeting; or, ^(Outcome)</p> <p>IV.B.2.a).(4) participation in a structured literature review of an important topic. ^(Outcome)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. ^(Detail)</p>
<p>Adult Reconstructive Orthopaedic Surgery</p>	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Fellows must participate in basic and/or clinical hypothesis-based research. ^(Core)</p> <p>IV.B.2. Fellows must learn to design, implement, and interpret research studies under supervision by qualified faculty members. ^(Outcome)</p> <p>IV.B.3. The program must provide scheduled and protected time and facilities for research activities by fellows. ^(Detail)</p>
<p>Foot and Ankle Orthopaedic Surgery</p>	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Fellows must participate in basic and/or clinical hypothesis-based research. ^(Core)</p> <p>IV.B.2. Fellows must learn to design, implement, and interpret research studies under supervision by qualified faculty members. ^(Outcome)</p> <p>IV.B.3. The program must provide scheduled and protected time and facilities for research activities by</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	fellows. ^(Detail)
Musculoskeletal Oncology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Fellows must participate in basic and/or clinical hypothesis-based research. ^(Core)</p> <p>IV.B.2. Fellows must learn to design, implement, and interpret research studies under supervision by qualified faculty members. ^(Outcome)</p> <p>IV.B.3. The program must provide scheduled and protected time and facilities for research activities by fellows. ^(Detail)</p>
Orthopaedic Sports Medicine	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Fellows must participate in basic and/or clinical hypothesis-based research. ^(Core)</p> <p>IV.B.2. Fellows must learn to design, implement, and interpret research studies under supervision by qualified faculty members. ^(Outcome)</p> <p>IV.B.3. The program must provide scheduled and protected time and facilities for research activities by fellows. ^(Detail)</p>
Orthopaedic Trauma	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Fellows must participate in basic and/or clinical hypothesis-based research. ^(Core)</p> <p>IV.B.2. Fellows must learn to design, implement, and interpret research studies under supervision by qualified faculty members. ^(Outcome)</p> <p>IV.B.3. The program must provide scheduled and protected time and facilities for research activities by fellows. ^(Detail)</p>
Pediatric Orthopaedic Surgery	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Fellows must participate in basic and/or clinical hypothesis-based research. ^(Core)</p> <p>IV.B.2. Fellows must learn to design, implement, and interpret research studies under supervision by qualified faculty members. ^(Outcome)</p> <p>IV.B.3. The program must provide scheduled and protected time and facilities for research activities by fellows. ^(Detail)</p>
Surgery of the Spine	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Fellows must participate in basic and/or clinical hypothesis-based research. ^(Core)</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>IV.B.2. Fellows must learn to design, implement, and interpret research studies under supervision by qualified faculty members. ^(Outcome)</p> <p>IV.B.3. The program must provide scheduled and protected time and facilities for research activities by fellows. ^(Detail)</p>
<p>Osteopathic Neuromusculoskeletal Medicine</p>	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.1.a) The program must provide education in the interpretation of basic science and clinical research and literature, and the application of the information gathered from these sources. ^(Core)</p> <p>IV.B.1.b) The program must provide education in research design specific to an osteopathic manipulative medical setting. ^(Core)</p> <p>IV.B.2. Residents should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Residents must complete scholarly activity related to osteopathic neuromusculoskeletal medicine. ^(Core)</p> <p>IV.B.2.b) Resident scholarly activity must be approved by the program director. ^(Core)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. ^(Detail)</p> <p>IV.B.4. Residents must participate in local, state, and/or national professional organizations. ^(Core)</p>
<p>Otolaryngology</p>	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Residents should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) The educational program must provide at least three months of a structured research experience for residents. ^(Core)</p> <p>IV.B.2.a).(1) The research experience must include instruction in research methods and design, as well as outcome assessment. ^(Core)</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>IV.B.2.a).(2) The research experience should result in a completed manuscript suitable for publication in a peer-reviewed journal. ^(Outcome)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. ^(Detail)</p>
Neurotology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.1.a) The curriculum must include research methodology. ^(Detail)</p> <p>IV.B.1.a) Fellows should study epidemiology, statistical methods, experimental design, and manuscript preparation. ^(Detail)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) During the course of the fellowship, each fellow should prepare and submit, at minimum, one paper for publication in a peer-reviewed journal. ^(Outcome)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p> <p>IV.B.3.a) This must include protected time, not to exceed six months, for the pursuit of scholarly activities and research. ^(Core)</p>
Pediatric Otolaryngology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Fellows’ scholarly activity initiated or completed during the program, including scientific study, production of review articles or chapters, or creation of online educational activities, must be documented. ^(Outcome)</p>
Pathology	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Residents should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) The program should provide an environment that promotes research and scholarly activity by</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>the residents. ^(Detail)</p> <p>IV.B.2.b) Each resident should participate in at least one of the following: ^(Detail)</p> <p>IV.B.2.b).(1) research; ^(Detail)</p> <p>IV.B.2.b).(2) evidence-based presentations at journal club or meetings (local, regional, or national); or, ^(Detail)</p> <p>IV.B.2.b).(3) publication. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. ^(Detail)</p>
Blood Banking/Transfusion Medicine	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Each fellow must participate in scholarly activity, including at least one of the following: ^(Core)</p> <p>IV.B.1.a) evidence-based presentations at journal club or meetings (local, regional or national); ^(Detail)</p> <p>IV.B.1.b) preparation and submission of articles for peer-reviewed publications; or, ^(Detail)</p> <p>IV.B.1.c) research. ^(Detail)</p>
Chemical Pathology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Each fellow must participate in scholarly activity, including at least one of the following: ^(Core)</p> <p>IV.B.1.a) evidence-based presentations at journal club or meetings (local, regional, or national); ^(Core)</p> <p>IV.B.1.b) preparation and submission of articles for peer-reviewed publications; or, ^(Core)</p> <p>IV.B.1.c) research. ^(Core)</p> <p>IV.B.2. Each fellow must participate in research and development or evaluation of new testing methods in clinical chemistry. ^(Core)</p>
Cytopathology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Each fellow must participate in scholarly activity, including at least one of the following: ^(Core)</p> <p>IV.B.1.a) evidence-based presentations at journal club or meetings (local, regional or national); ^(Detail)</p> <p>IV.B.1.b) preparation and submission of articles for peer-reviewed publications; or, ^(Detail)</p> <p>IV.B.1.c) research. ^(Detail)</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
Forensic Pathology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Each fellow must participate in scholarly activity, including at least one of the following: ^(Core)</p> <p>IV.B.1.a) evidence-based presentations at journal club or meetings (local, regional or national); ^(Detail)</p> <p>IV.B.1.b) preparation and submission of articles for peer-reviewed publications; or, ^(Detail)</p> <p>IV.B.1.c) research. ^(Detail)</p>
Hematopathology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Each fellow must participate in scholarly activity, including at least one of the following: ^(Core)</p> <p>IV.B.1.a) evidence-based presentations at journal club or meetings (local, regional or national); ^(Detail)</p> <p>IV.B.1.b) preparation and submission of articles for peer-reviewed publications; or, ^(Detail)</p> <p>IV.B.1.c) research. ^(Detail)</p>
Medical Microbiology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Each fellow must participate in scholarly activity, including at least one of the following: ^(Core)</p> <p>IV.B.1.a) evidence-based presentations at journal club or meetings (local, regional, or national); ^(Core)</p> <p>IV.B.1.b) preparation and submission of articles for peer-reviewed publications; or, ^(Core)</p> <p>IV.B.1.c) research. ^(Core)</p> <p>IV.B.2. Each fellow must participate in research and development or evaluation of new testing methods for medical microbiology, infectious diseases, and/or epidemiology. ^(Core)</p>
Neuropathology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Each fellow must participate in scholarly activity, including at least one of the following: ^(Core)</p> <p>IV.B.1.a) evidence-based presentations at journal club or meetings (local, regional or national); ^(Detail)</p> <p>IV.B.1.b) preparation and submission of articles for peer-reviewed publications; or, ^(Detail)</p> <p>IV.B.1.c) research. ^(Detail)</p>
Pediatric Pathology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Each fellow must participate in scholarly activity, including at least one of the following: ^(Core)</p> <p>IV.B.1.a) evidence-based presentations at journal club or meetings (local, regional or national); ^(Detail)</p> <p>IV.B.1.b) preparation and submission of articles for peer-reviewed publications; or, ^(Detail)</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	IV.B.1.c) research. ^(Detail)
Selective Pathology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Each fellow must participate in scholarly activity, including at least one of the following: ^(Core)</p> <p>IV.B.1.a) evidence-based presentations at journal club or meetings (local, regional, or national); ^(Core)</p> <p>IV.B.1.b) preparation and submission of articles for peer-reviewed publications; or, ^(Core)</p> <p>IV.B.1.c) clinical or basic science research projects. ^(Core)</p>
Pediatrics	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Residents should participate in scholarly activity. ^(Core)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. ^(Detail)</p>
Adolescent Medicine	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.1.a) Where appropriate, the core curriculum in scholarly activity should be a collaborative effort involving all of the pediatric subspecialty programs in the institution. ^(Detail)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Each fellow must design and conduct a scholarly project in his or her subspecialty area with the guidance of the fellowship director and a designated mentor. ^(Core)</p> <p>IV.B.2.b) The program must provide a scholarship oversight committee for each fellow to oversee and evaluate the fellow’s progress as related to scholarly activity. ^(Core)</p> <p>IV.B.2.b).(1) Where applicable, the process of establishing fellow scholarship oversight committees should be a collaborative effort involving other pediatric subspecialty programs at the institution. ^(Detail)</p> <p>IV.B.2.c) The scholarly experience must begin in the first year and continue for the entire period of</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>training. ^(Core)</p> <p>IV.B.2.c).(1) There must be adequate time for each fellow to allow for the development of requisite skills, project completion, and presentation of results to the scholarship oversight committee. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
Child Abuse	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.1.a) Where appropriate, the core curriculum in scholarly activity should be a collaborative effort involving all of the pediatric subspecialty programs in the institution. ^(Detail)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Each fellow must design and conduct a scholarly project in his or her subspecialty area with the guidance of the fellowship director and a designated mentor. ^(Core)</p> <p>IV.B.2.b) The program must provide a scholarship oversight committee for each fellow to oversee and evaluate the fellow’s progress as related to scholarly activity. ^(Core)</p> <p>IV.B.2.b).(1) Where applicable, the process of establishing fellow scholarship oversight committees should be a collaborative effort involving other pediatric subspecialty programs at the institution. ^(Detail)</p> <p>IV.B.2.c) The scholarly experience must begin in the first year and continue for the entire period of training. ^(Core)</p> <p>IV.B.2.c).(1) There must be adequate time for each fellow to allow for the development of requisite skills, project completion, and presentation of results to the scholarship oversight committee. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
Developmental-Behavioral Pediatric	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.1.a) Where appropriate, the core curriculum in scholarly activity should be a collaborative effort</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>involving all of the pediatric subspecialty programs in the institution. ^(Detail)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Each fellow must design and conduct a scholarly project in his or her subspecialty area with the guidance of the fellowship director and a designated mentor. ^(Core)</p> <p>IV.B.2.b) The program must provide a scholarship oversight committee for each fellow to oversee and evaluate the fellow’s progress as related to scholarly activity. ^(Core)</p> <p>IV.B.2.b).(1) Where applicable, the process of establishing fellow scholarship oversight committees should be a collaborative effort involving other pediatric subspecialty programs at the institution. ^(Detail)</p> <p>IV.B.2.c) The scholarly experience must begin in the first year and continue for the entire period of training. ^(Core)</p> <p>IV.B.2.c).(1) There must be adequate time for each fellow to allow for the development of requisite skills, project completion, and presentation of results to the scholarship oversight committee. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
Pediatric Cardiology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.1.a) Where appropriate, the core curriculum in scholarly activity should be a collaborative effort involving all of the pediatric subspecialty programs in the institution. ^(Detail)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Each fellow must design and conduct a scholarly project in his or her subspecialty area with the guidance of the fellowship director and a designated mentor. ^(Core)</p> <p>IV.B.2.b) The program must provide a scholarship oversight committee for each fellow to oversee and evaluate the fellow’s progress as related to scholarly activity. ^(Core)</p> <p>IV.B.2.b).(1) Where applicable, the process of establishing fellow scholarship oversight committees should be a collaborative effort involving other pediatric subspecialty programs at the institution. ^(Detail)</p> <p>IV.B.2.c) The scholarly experience must begin in the first year and continue for the entire period of training. ^(Core)</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>IV.B.2.c).(1) There must be adequate time for each fellow to allow for the development of requisite skills, project completion, and presentation of results to the scholarship oversight committee. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
Pediatric Critical Care	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.1.a) Where appropriate, the core curriculum in scholarly activity should be a collaborative effort involving all of the pediatric subspecialty programs in the institution. ^(Detail)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Each fellow must design and conduct a scholarly project in his or her subspecialty area with the guidance of the fellowship director and a designated mentor. ^(Core)</p> <p>IV.B.2.b) The program must provide a scholarship oversight committee for each fellow to oversee and evaluate the fellow’s progress as related to scholarly activity. ^(Core)</p> <p>IV.B.2.b).(1) Where applicable, the process of establishing fellow scholarship oversight committees should be a collaborative effort involving other pediatric subspecialty programs at the institution. ^(Detail)</p> <p>IV.B.2.c) The scholarly experience must begin in the first year and continue for the entire period of training. ^(Core)</p> <p>IV.B.2.c).(1) There must be adequate time for each fellow to allow for the development of requisite skills, project completion, and presentation of results to the scholarship oversight committee. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
Pediatric Endocrinology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.1.a) Where appropriate, the core curriculum in scholarly activity should be a collaborative effort involving all of the pediatric subspecialty programs in the institution. ^(Detail)</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Each fellow must design and conduct a scholarly project in his or her subspecialty area with the guidance of the fellowship director and a designated mentor. ^(Core)</p> <p>IV.B.2.b) The program must provide a scholarship oversight committee for each fellow to oversee and evaluate the fellow’s progress as related to scholarly activity. ^(Core)</p> <p>IV.B.2.b).(1) Where applicable, the process of establishing fellow scholarship oversight committees should be a collaborative effort involving other pediatric subspecialty programs at the institution. ^(Detail)</p> <p>IV.B.2.c) The scholarly experience must begin in the first year and continue for the entire period of training. ^(Core)</p> <p>IV.B.2.c).(1) There must be adequate time for each fellow to allow for the development of requisite skills, project completion, and presentation of results to the scholarship oversight committee. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
Pediatric Emergency Medicine	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.1.a) Where appropriate, the core curriculum in scholarly activity should be a collaborative effort involving all of the pediatric subspecialty programs in the institution. ^(Detail)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Each fellow must design and conduct a scholarly project in his or her subspecialty area with the guidance of the fellowship director and a designated mentor. ^(Core)</p> <p>IV.B.2.b) The program must provide a scholarship oversight committee for each fellow to oversee and evaluate the fellow’s progress as related to scholarly activity. ^(Core)</p> <p>IV.B.2.b).(1) Where applicable, the process of establishing fellow scholarship oversight committees should be a collaborative effort involving other pediatric subspecialty programs at the institution. ^(Detail)</p> <p>IV.B.2.c) The scholarly experience must begin in the first year and continue for the entire period of training. ^(Core)</p> <p>IV.B.2.c).(1) There must be adequate time for each fellow to allow for the development of requisite</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>skills, project completion, and presentation of results to the scholarship oversight committee. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
<p>Pediatric Gastroenterology</p>	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.1.a) Where appropriate, the core curriculum in scholarly activity should be a collaborative effort involving all of the pediatric subspecialty programs in the institution. ^(Detail)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Each fellow must design and conduct a scholarly project in his or her subspecialty area with the guidance of the fellowship director and a designated mentor. ^(Core)</p> <p>IV.B.2.b) The program must provide a scholarship oversight committee for each fellow to oversee and evaluate the fellow’s progress as related to scholarly activity. ^(Core)</p> <p>IV.B.2.b).(1) Where applicable, the process of establishing fellow scholarship oversight committees should be a collaborative effort involving other pediatric subspecialty programs at the institution. ^(Detail)</p> <p>IV.B.2.c) The scholarly experience must begin in the first year and continue for the entire period of training. ^(Core)</p> <p>IV.B.2.c).(1) There must be adequate time for each fellow to allow for the development of requisite skills, project completion, and presentation of results to the scholarship oversight committee. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
<p>Pediatric Hematology Oncology</p>	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.1.a) Where appropriate, the core curriculum in scholarly activity should be a collaborative effort involving all of the pediatric subspecialty programs in the institution. ^(Detail)</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Each fellow must design and conduct a scholarly project in his or her subspecialty area with the guidance of the fellowship director and a designated mentor. ^(Core)</p> <p>IV.B.2.b) The program must provide a scholarship oversight committee for each fellow to oversee and evaluate the fellow’s progress as related to scholarly activity. ^(Core)</p> <p>IV.B.2.b).(1) Where applicable, the process of establishing fellow scholarship oversight committees should be a collaborative effort involving other pediatric subspecialty programs at the institution. ^(Detail)</p> <p>IV.B.2.c) The scholarly experience must begin in the first year and continue for the entire period of training. ^(Core)</p> <p>IV.B.2.c).(1) There must be adequate time for each fellow to allow for the development of requisite skills, project completion, and presentation of results to the scholarship oversight committee. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
Pediatric Infectious Diseases	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.1.a) Where appropriate, the core curriculum in scholarly activity should be a collaborative effort involving all of the pediatric subspecialty programs in the institution. ^(Detail)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Each fellow must design and conduct a scholarly project in his or her subspecialty area with the guidance of the fellowship director and a designated mentor. ^(Core)</p> <p>IV.B.2.b) The program must provide a scholarship oversight committee for each fellow to oversee and evaluate the fellow’s progress as related to scholarly activity. ^(Core)</p> <p>IV.B.2.b).(1) Where applicable, the process of establishing fellow scholarship oversight committees should be a collaborative effort involving other pediatric subspecialty programs at the institution. ^(Detail)</p> <p>IV.B.2.c) The scholarly experience must begin in the first year and continue for the entire period of training. ^(Core)</p> <p>IV.B.2.c).(1) There must be adequate time for each fellow to allow for the development of requisite</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>skills, project completion, and presentation of results to the scholarship oversight committee. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
Pediatric Neonatal-Perinatal	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.1.a) Where appropriate, the core curriculum in scholarly activity should be a collaborative effort involving all of the pediatric subspecialty programs in the institution. ^(Detail)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Each fellow must design and conduct a scholarly project in his or her subspecialty area with the guidance of the fellowship director and a designated mentor. ^(Core)</p> <p>IV.B.2.b) The program must provide a scholarship oversight committee for each fellow to oversee and evaluate the fellow’s progress as related to scholarly activity. ^(Core)</p> <p>IV.B.2.b).(1) Where applicable, the process of establishing fellow scholarship oversight committees should be a collaborative effort involving other pediatric subspecialty programs at the institution. ^(Detail)</p> <p>IV.B.2.c) The scholarly experience must begin in the first year and continue for the entire period of training. ^(Core)</p> <p>IV.B.2.c).(1) There must be adequate time for each fellow to allow for the development of requisite skills, project completion, and presentation of results to the scholarship oversight committee. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
Pediatric Nephrology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.1.a) Where appropriate, the core curriculum in scholarly activity should be a collaborative effort involving all of the pediatric subspecialty programs in the institution. ^(Detail)</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Each fellow must design and conduct a scholarly project in his or her subspecialty area with the guidance of the fellowship director and a designated mentor. ^(Core)</p> <p>IV.B.2.b) The program must provide a scholarship oversight committee for each fellow to oversee and evaluate the fellow’s progress as related to scholarly activity. ^(Core)</p> <p>IV.B.2.b).(1) Where applicable, the process of establishing fellow scholarship oversight committees should be a collaborative effort involving other pediatric subspecialty programs at the institution. ^(Detail)</p> <p>IV.B.2.c) The scholarly experience must begin in the first year and continue for the entire period of training. ^(Core)</p> <p>IV.B.2.c).(1) There must be adequate time for each fellow to allow for the development of requisite skills, project completion, and presentation of results to the scholarship oversight committee. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
Pediatric Pulmonology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.1.a) Where appropriate, the core curriculum in scholarly activity should be a collaborative effort involving all of the pediatric subspecialty programs in the institution. ^(Detail)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Each fellow must design and conduct a scholarly project in his or her subspecialty area with the guidance of the fellowship director and a designated mentor. ^(Core)</p> <p>IV.B.2.b) The program must provide a scholarship oversight committee for each fellow to oversee and evaluate the fellow’s progress as related to scholarly activity. ^(Core)</p> <p>IV.B.2.b).(1) Where applicable, the process of establishing fellow scholarship oversight committees should be a collaborative effort involving other pediatric subspecialty programs at the institution. ^(Detail)</p> <p>IV.B.2.c) The scholarly experience must begin in the first year and continue for the entire period of training. ^(Core)</p> <p>IV.B.2.c).(1) There must be adequate time for each fellow to allow for the development of requisite</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>skills, project completion, and presentation of results to the scholarship oversight committee. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
<p>Pediatric Rheumatology</p>	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.1.a) Where appropriate, the core curriculum in scholarly activity should be a collaborative effort involving all of the pediatric subspecialty programs in the institution. ^(Detail)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Each fellow must design and conduct a scholarly project in his or her subspecialty area with the guidance of the fellowship director and a designated mentor. ^(Core)</p> <p>IV.B.2.b) The program must provide a scholarship oversight committee for each fellow to oversee and evaluate the fellow’s progress as related to scholarly activity. ^(Core)</p> <p>IV.B.2.b).(1) Where applicable, the process of establishing fellow scholarship oversight committees should be a collaborative effort involving other pediatric subspecialty programs at the institution. ^(Detail)</p> <p>IV.B.2.c) The scholarly experience must begin in the first year and continue for the entire period of training. ^(Core)</p> <p>IV.B.2.c).(1) There must be adequate time for each fellow to allow for the development of requisite skills, project completion, and presentation of results to the scholarship oversight committee. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
<p>Pediatric Transplant Hepatology</p>	<p><i>None</i></p>
<p>Physical Medicine and Rehabilitation</p>	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>IV.B.2. Residents should participate in scholarly activity. ^(Core)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. ^(Detail)</p>
Pediatric Rehabilitation Medicine	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Fellows should participate in structured, supervised research education. ^(Detail)</p> <p>IV.B.3. Each fellow should demonstrate scholarship through at least one scientific presentation, abstract, or publication. ^(Outcome)</p>
Spinal Cord Injury Medicine	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Fellows should have assigned time to conduct research or other scholarly activities. ^(Detail)</p> <p>IV.B.2. Each fellow should demonstrate scholarship through at least one scientific presentation, abstract, or publication. ^(Outcome)</p>
Plastic Surgery	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Residents should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) All residents must demonstrate annual scholarship to include one or more of the following: ^(Core)</p> <p>IV.B.2.a).(1) peer-reviewed publications with PMID; or, ^(Detail)</p> <p>IV.B.2.a).(2) conference presentations, including abstracts and posters, given at international, national, or regional meetings; or, ^(Detail)</p> <p>IV.B.2.a).(3) textbook chapters; or; ^(Detail)</p> <p>IV.B.2.a).(4) participated in funded or non-funded basic science or clinical outcomes research projects; or, ^(Detail)</p> <p>IV.B.2.a).(5) teaching lectures or presentations (such as grand rounds or case presentations) of at least</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	30 minutes in duration within the Sponsoring Institution or program. ^(Detail) IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. ^(Detail)
Craniofacial Surgery	<i>None</i>
Preventive Medicine	IV.B. Residents’ Scholarly Activities IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core) IV.B.2. Residents should participate in scholarly activity. ^(Core) IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. ^(Detail)
Psychiatry	IV.B. Residents’ Scholarly Activities IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core) IV.B.2. Residents should participate in scholarly activity. ^(Core) IV.B.2.a) The program must provide residents with opportunities for research and development of research skills for residents interested in conducting research in psychiatry or related fields. ^(Core) IV.B.2.b) The program must provide interested residents access to and the opportunity to participate actively in ongoing research under a mentor. ^(Core) IV.B.2.c) All residents must be educated in research literacy and in the concepts and process of evidence-based clinical practice to develop skills in question formulation, information searching, critical appraisal, and medical decision-making. ^(Core) IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. ^(Detail)
Addiction Psychiatry	IV.B. Fellows’ Scholarly Activities IV.B.1. Fellows must participate in developing new knowledge or evaluating research findings. ^(Core)
Child and	IV.B. Fellows’ Scholarly Activities

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
Adolescent Psychiatry	<p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) All fellows must be educated in research literacy and in the concepts and process of evidenced-based clinical practice to develop skills in question formulation, information searching, critical appraisal, and medical decision-making. ^(Core)</p> <p>IV.B.2.b) The program must provide opportunities for research and development of research skills for fellows interested in conducting research in psychiatry or related fields. ^(Core)</p> <p>IV.B.2.c) The program must provide interested fellows access to and the opportunity to participate actively in ongoing research under a mentor. ^(Core)</p> <p>IV.B.2.d) The program must ensure the participation of fellows and faculty members in journal clubs, research conferences, didactics, and/or other activities that address critical appraisal of the literature and understanding of the research process. ^(Core)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
Forensic Psychiatry	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Fellows must participate in developing new knowledge or evaluating research findings. ^(Core)</p>
Geriatric Psychiatry	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Fellows must participate in developing new knowledge or evaluating research findings. ^(Core)</p>
Consultation-Liaison Psychiatry	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Fellows must participate in developing new knowledge or evaluating research findings. ^(Core)</p>
Radiation Oncology	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Residents should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Residents must complete an investigative project under faculty member supervision. ^(Core)</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>IV.B.2.a).(1) Projects should take the form of biological laboratory research, clinical research, translational research, medical physics research, or other research approved by the program director. ^(Detail)</p> <p>IV.B.2.b).(2) The results of such projects should be suitable for publication in peer-reviewed scholarly journals or presentation at scientific meetings. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. ^(Detail)</p>
Surgery	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Residents should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) The participation of residents in clinical and/or laboratory research is encouraged. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. ^(Detail)</p>
Complex General Surgical Oncology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Each fellow must complete a course on clinical research on human subjects, such as the courses approved by the National Institutes of Health Office for Human Research Protections, or an institution-based equivalent. ^(Core)</p> <p>IV.B.2. Fellows must demonstrate the ability to: design and implement a prospective data base; conduct clinical cancer research, especially prospective clinical trials; use statistical methods to properly evaluate results of published research studies; guide other learners or other personnel in laboratory or clinical oncology research; and navigate the interface of basic science with clinical cancer care to facilitate translational research. ^(Outcome)</p>
Pediatric Surgery	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>IV.B.2.a) Fellows must demonstrate knowledge of design, implementation, and interpretation of clinical research studies. ^(Outcome)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
Surgical Critical Care	None
Vascular Surgery	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.1.a) Residents must have instruction in critical thinking, design of experiments, and evaluation of data. ^(Detail)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Residents should participate in clinical and/or laboratory research. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
Thoracic Surgery	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Residents should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Residents/fellows must not have a protected research rotation during the program. ^(Core)</p> <p>IV.B.2.b) Each Resident/fellow must demonstrate annual scholarship that results in one or more of the following: ^(Core)</p> <p>IV.B.2.b).(1) peer-reviewed/indexed publications with PubMed- Indexed for Medline (PMID); or, ^(Detail)</p> <p>IV.B.2.b).(2) conference presentations, including abstracts and posters, at international, national, regional meetings; or, ^(Detail)</p> <p>IV.B.2.b).(3) textbook chapters; or, ^(Detail)</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>IV.B.2.b).(4) participation in basic, translational or, clinical research or, quality improvement projects; or, (Detail)</p> <p>IV.B.2.b).(5) lectures or presentations (such as grand rounds or case presentations) of at least 30 minutes in duration within the Sponsoring Institution or program. (Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. (Detail)</p> <p>IV.B.3.a) The sponsoring institution and program should provide support for residents’/fellows’ attendance at national professional meetings. (Detail)</p>
Congenital Cardiac Surgery	None
Urology	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. (Core)</p> <p>IV.B.2. Residents should participate in scholarly activity. (Core)</p> <p>IV.B.2.a) Residents must demonstrate scholarly activity, including manuscript preparation, lectures, teaching activities, abstracts, and/or active performance of research or participation in clinical studies and reviews. (Outcome)</p> <p>IV.B.2.c) Research included in the clinical years should not exceed a maximum of six months, and regular clinical duties must be assigned concurrently. (Core)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. (Detail)</p>
Pediatric Urology	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. Fellows’ documentation of their scholarly activity must be demonstrated by manuscript preparation, lectures, teaching activities, abstracts, and active performance of research, or participation in clinical studies and reviews. (Outcome)</p>
Transitional Year	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>care. ^(Core)</p> <p>IV.B.2. Residents should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Participation should include each resident’s presentation of a case report or a presentation to colleagues on a subject of interest, and/or development of a research or quality improvement project. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate resident involvement in scholarly activities. ^(Detail)</p>
Multidisciplinary Subspecialty	
<p>Addiction Medicine (subspecialty of Anesthesiology, Emergency Medicine, Family Medicine, Internal Medicine, Obstetrics and Gynecology, Pediatrics, Preventive Medicine, or Psychiatry)</p>	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The program must provide structured, supervised, regular opportunities for fellows explore and analyze emerging scientific evidence pertinent to the practice of addiction medicine. ^(Core)</p> <p>IV.B.2. Fellows must have didactic and experiential learning opportunities in the scholarship of teaching and leadership, and have the opportunity to teach addiction medicine to health care students, trainees, and/or other learners. ^(Core)</p> <p>IV.B.3. Fellows should actively participate in scientific inquiry, either through direct participation in research, or scholarly projects that make use of scientific methods. ^(Detail)</p>
<p>Brain Injury Medicine (subspecialty of Child Neurology, Neurology, Physical Medicine and Rehabilitation, or Psychiatry)</p>	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Fellows should have assigned time to conduct research or other scholarly activities. ^(Detail)</p> <p>IV.B.3. Each fellow should demonstrate scholarship through at least one scientific presentation, abstract, or publication. ^(Outcome)</p>
<p>Clinical Informatics (subspecialty of Anesthesiology, Radiology, Emergency Medicine, Family Medicine, Internal</p>	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
Medicine, Medical Genetics and Genomics, Pathology, Pediatrics, or Preventive Medicine)	<p>IV.B.2.a) Scholarly activity should include at least one of the following: IV.B.2.a).(1) peer-reviewed funding and research; ^(Detail) IV.B.2.a).(2) publication of original research or review articles; or, ^(Detail) IV.B.2.a).(3) presentations at local, regional, or national professional and scientific society meetings. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
Dermatopathology (subspecialty of Dermatology or Pathology)	<p>IV.B. Fellows’ Scholarly Activities</p> <p>Each fellow must participate in scholarly activity by publishing or preparing one or more manuscripts suitable for submission to a peer-reviewed publication and/or giving at least one presentation at a regional or national professional society meeting on topics relevant to dermatopathology. ^(Outcome)</p>
Endovascular Surgical Neuroradiology (subspecialty of Child Neurology, Neurological Surgery, Neurology, or Radiology)	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Detail)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
Female Pelvic Medicine and Reconstructive Surgery (subspecialty of Obstetrics and Gynecology or Urology)	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Each fellow, under the direction of a faculty mentor, must complete a comprehensive written scholarly paper or quality improvement project (thesis) during the program that demonstrates the following: ^(Outcome)</p> <p>IV.B.2.a).(1) utilization of advanced research methodology and techniques, including research design and quantitative analysis; ^(Outcome)</p> <p>IV.B.2.a).(2) collection and statistical analysis of information obtained from a structured basic laboratory</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>and/or clinical research setting; and, ^(Outcome)</p> <p>IV.B.2.a).(3) synthesis of the scientific literature, hypothesis testing, and description of findings and results. ^(Outcome)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
<p>Geriatric Medicine (subspecialty of Family Medicine or Internal Medicine)</p>	<p>IV.B. Fellows’ Scholarly Activities</p> <p>The program must provide an opportunity for each fellow to participate in research or other scholarly activities. ^(Detail)</p>
<p>Hand Surgery (subspecialty of Orthopaedic Surgery, Plastic Surgery, or Surgery)</p>	<p>IV.B. Residents’ Scholarly Activities</p> <p>IV.B.1. Fellows must learn to design, implement, and interpret research studies under supervision by qualified faculty members. ^(Outcome)</p> <p>IV.B.2. The program must provide scheduled and protected time and facilities for research activities by fellows. ^(Detail)</p>
<p>Hospice and Palliative Medicine (subspecialty of Anesthesiology, Family Medicine, Internal Medicine, Pediatrics, Psychiatry, or Radiation Oncology)</p>	<p>IV.B. Fellows’ Scholarly Activities</p> <p>Fellows must complete a scholarly or quality improvement project during the program. ^(Core)</p>
<p>Internal Medicine-Pediatrics (Combined program for Internal Medicine and Pediatrics)</p>	<p><i>None</i></p>
<p>Medical Toxicology (subspecialty of</p>	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research,</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
Emergency Medicine or Preventive Medicine)	<p>including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Fellows should participate in scholarly activity. ^(Core)</p> <p>IV.B.2.a) Fellows must participate in clinical and/or professional quality improvement activities. ^(Core)</p> <p>IV.B.2.b) Fellows must participate in research or scholarly activity that includes at least one of the following:</p> <p>IV.B.2.b).(1) peer-reviewed funding and research; ^(Outcome)</p> <p>IV.B.2.b).(2) publication of original research or review articles; or, ^(Outcome)</p> <p>IV.B.2.b).(3) presentations at local, regional, or national professional and scientific society meetings. ^(Outcome)</p> <p>IV.B.2.c) Fellows must complete a scholarly project prior to graduation. ^(Outcome)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)</p>
Molecular Genetic Pathology (subspecialty of Medical Genetics and Genomics or Pathology)	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1 Each fellow must participate in scholarly activity, including at least one of the following: ^(Core)</p> <p>IV.B.1.a) evidence-based presentations at journal club or meeting (local, regional, or national); ^(Core)</p> <p>IV.B.1.b) preparation and submission of articles for peer-reviewed publications; or, ^(Core)</p> <p>IV.B.1.c) research. ^(Core)</p>
Neuromuscular Medicine (subspecialty of Child Neurology, Neurology, or Physical Medicine and Rehabilitation)	<p>IV.B. Fellows’ Scholarly Activities</p> <p>IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of evidence-based medicine and research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core)</p> <p>IV.B.2. Fellows should participate in scholarly activity under the mentorship of program faculty members. ^(Core)</p> <p>IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Core)</p> <p>IV.B.4. Fellows should receive support to attend one regional, national, or international professional</p>

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	conference during the program. ^(Detail)
Pain Medicine (subspecialty of Anesthesiology, Child Neurology, Neurology, or Physical Medicine and Rehabilitation)	IV.B. Fellows’ Scholarly Activities IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core) IV.B.2. Fellows should participate in scholarly activity. ^(Core) IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. ^(Detail)
Sleep Medicine (subspecialty of Child Neurology, Internal Medicine, Neurology, Pediatrics, or Psychiatry)	IV.B. Fellows’ Scholarly Activities The program must provide an opportunity for each fellow to participate in research or other scholarly activities. ^(Core)
Sports Medicine (subspecialty of Emergency Medicine, Family Medicine, Pediatrics, or Physical Medicine and Rehabilitation)	IV.B. Fellows’ Scholarly Activities IV.B.1. Each fellow should complete a scholarly or quality improvement project during the program. ^(Outcome) IV.B.1.a) Evidence of scholarly activity should include at least one of the following: ^(Detail) IV.B.1.a).(1) peer-reviewed funding and research; ^(Detail) IV.B.1.a).(2) publication of original research or review articles; or, ^(Detail) IV.B.1.a).(3) presentations at local, regional, or national professional and scientific society meetings. ^(Detail)
Undersea and Hyperbaric Medicine (subspecialty of Emergency Medicine or Preventive Medicine)	IV.B. Fellows’ Scholarly Activities IV.B.1. The curriculum must advance fellows’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. ^(Core) IV.B.2. Fellows must participate in scholarly activity that includes at least one of the following: IV.B.2.a) peer-reviewed funding and research; ^(Outcome)

Specialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	IV.B.2.b) publication of original research or review articles; or, ^(Outcome) IV.B.2.c) presentations at local, regional, or national professional and scientific society meetings. ^(Outcome)