

## Specialty-Specific Program Requirements: Resident/Fellow Scholarly Activity

Effective as of July 1, 2024

Common Program Requirements are in bold

Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
<b>Allergy and Immunology</b>	<p><b>IV.D.3. Resident Scholarly Activity</b></p> <p><b>IV.D.3.a) Residents must participate in scholarship.</b> <small>(Core)</small></p> <p>IV.D.3.b) 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.D.3.c) 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.D.3.c).(1) Residents must present their research findings orally and in writing. <small>(Outcome)</small></p>
<b>Anesthesiology</b>	<p><b>IV.D.3. Resident Scholarly Activity</b></p> <p><b>IV.D.3.a) Residents must participate in scholarship.</b> <small>(Core)</small></p> <p>IV.D.3.b) Each resident must complete, under faculty member supervision, an academic assignment. <small>(Core)</small></p> <p>IV.D.3.b).(1) 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> <p>IV.D.3.b).(1).(a) 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. <small>(Detail)</small></p>
Adult Cardiothoracic Anesthesiology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) All fellows must conduct or be substantially involved in a scholarly project related to the subspecialty that is suitable for publication. <small>(Core)</small></p> <p>IV.D.3.a).(1) The results of such projects must be disseminated through a variety of means, including</p>

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	<p>publication or presentation at local, regional, national, or international meetings. <sup>(Core)</sup></p> <p>IV.D.3.a).(2) Fellows must have a faculty mentor overseeing the project. <sup>(Core)</sup></p>
<p>Anesthesiology Critical Care Medicine</p>	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Each fellow must conduct or be substantially involved in a scholarly project related to the subspecialty that is suitable for publication. <sup>(Core)</sup></p> <p>IV.D.3.a).(1) The results of such projects must be disseminated through a variety of means, including publication or presentation at local, regional, national, or international meetings. <sup>(Core)</sup></p> <p>IV.D.3.a).(2) Fellows must have a faculty mentor overseeing the project. <sup>(Core)</sup></p>
<p>Obstetric Anesthesiology</p>	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) 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. <sup>(Outcome)</sup></p> <p>IV.D.3.a).(1) The results of such projects should be disseminated through a variety of means, including presentation at national or international meetings. <sup>(Core)</sup></p> <p>IV.D.3.a).(2) Fellows must have a faculty mentor overseeing the project. <sup>(Core)</sup></p>
<p>Pediatric Anesthesiology</p>	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) All fellows must conduct or be substantially involved in a scholarly project related to the subspecialty that is suitable for publication. <sup>(Core)</sup></p> <p>IV.D.3.a).(1) The results of such projects must be disseminated through a variety of means, including publication or presentation at local, regional, national, or international meetings. <sup>(Core)</sup></p> <p>IV.D.3.a).(2) Fellows must have a faculty mentor overseeing the project. <sup>(Core)</sup></p>
<p>Pediatric Cardiac Anesthesiology</p>	<p>IV.D.3.a) All fellows must conduct or be substantially involved in a scholarly project related to the subspecialty that is suitable for publication. <sup>(Core)</sup></p> <p>IV.D.3.a).(1) The results of such projects must be disseminated through a variety of means, including publication or presentation at local, regional, national, or international meetings. <sup>(Core)</sup></p> <p>IV.D.3.a).(2) Fellows must have a faculty mentor overseeing their project. <sup>(Core)</sup></p>

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<p>Regional Anesthesiology and Acute Pain Medicine</p>	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) All fellows must conduct or be substantially involved in a scholarly project related to the subspecialty that is suitable for publication. <sup>(Core)</sup></p> <p>IV.D.3.a).(1) The results of such projects must be disseminated through a variety of means, including publication or presentation at local, regional, national, or international meetings. <sup>(Core)</sup></p> <p>IV.D.3.a).(2) Fellows must have a faculty mentor overseeing the project. <sup>(Core)</sup></p> <p>IV.D.3.b) Fellows must:</p> <p>IV.D.3.b).(1) engage in teaching activities as a major activity of the fellowship. <sup>(Core)</sup></p> <p>IV.D.3.b).(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; <sup>(Core)</sup></p> <p>IV.D.3.b).(3) prepare and present resident education lectures and journal reviews for regional anesthesia and/or acute pain medicine subspecialty conferences; <sup>(Core)</sup></p> <p>IV.D.3.b).(4) participate and direct cadaver anatomy laboratories for regional anesthesia if available; <sup>(Core)</sup></p> <p>IV.D.3.b).(5) develop teaching techniques by instructing residents and/or medical students at the bedside with the supervision of faculty member(s); and, <sup>(Core)</sup></p> <p>IV.D.3.b).(6) review and enhance web-based teaching resources, such as resident teaching materials, curriculum documents, and self-study and testing materials. <sup>(Core)</sup></p>
<p><b>Colon and Rectal Surgery</b></p>	<p><b>IV.D.3. Resident Scholarly Activity</b></p> <p><b>IV.D.3.a) Residents must participate in scholarship.</b> <sup>(Core)</sup></p> <p>IV.D.3.a).(1) Each resident should participate in at least two of the following activities: <sup>(Detail)</sup></p> <p>IV.D.3.a).(1).(a) one or more ongoing research studies with the faculty; <sup>(Detail)</sup></p> <p>IV.D.3.a).(1).(b) one or more resident-initiated research project with faculty supervision; <sup>(Detail)</sup></p> <p>IV.D.3.a).(1).(c) one or more scientific presentations at local, regional, national or international meetings; <sup>(Detail)</sup></p>

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	<p>IV.D.3.a).(1).(d) preparation/submission of one or more articles for peer-reviewed publications; or, <sup>(Detail)</sup></p> <p>IV.D.3.a).(1).(e) writing one or more book chapters or current standards papers. <sup>(Detail)</sup></p> <p>IV.D.3.a).(2) The program director must document each resident’s scholarly activity annually. <sup>(Core)</sup></p>
<b>Dermatology</b>	<p><b>IV.D.3. Resident Scholarly Activity</b></p> <p><b>IV.D.3.a) Residents must participate in scholarship.</b> <sup>(Core)</sup></p> <p>IV.D.3.a).(1) Basic science and clinical investigation must be included in the educational experience of residents. <sup>(Core)</sup></p> <p>IV.D.3.a).(1).(a) All residents should participate or have education regarding basic science and/or clinical research during the program. <sup>(Core)</sup></p> <p>IV.D.3.a).(2) Residents must be provided protected time and funding to attend at least one national meeting during the program. <sup>(Core)</sup></p> <p>IV.D.3.a).(3) Residents must prepare oral or poster presentations, or manuscripts suitable for publication in peer-reviewed journals. <sup>(Core)</sup></p>
Pediatric Dermatology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Each fellow must participate in at least one scholarly activity, defined as developing or working on a research study of any type; preparing a manuscript suitable for submission to a peer-reviewed publication; creating durable educational materials or curriculum; authoring a textbook or textbook chapter(s); and/or presenting at a local, regional, or national meeting, professional society meeting, or other educational venue on topics relevant to pediatric dermatology. <sup>(Outcome)</sup></p>
Micrographic Surgery and Dermatologic Oncology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) 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 micrographic surgery and dermatologic oncology. <sup>(Outcome)</sup></p>
<b>Diagnostic Radiology</b>	<p><b>IV.D.3. Resident Scholarly Activity</b></p> <p><b>IV.D.3.a) Residents must participate in scholarship.</b> <sup>(Core)</sup></p>

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	<p>IV.D.3.b) Residents must have training in critical thinking skills and research design. <sup>(Core)</sup></p> <p>IV.D.3.c) All residents must engage in a scholarly project under faculty member supervision. <sup>(Core)</sup></p> <p>IV.D.3.c).(1) 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. <sup>(Outcome)</sup></p> <p>IV.D.3.c).(2) The program should specify how each project will be evaluated. <sup>(Detail)</sup></p> <p>IV.D.3.d) All graduating residents should have submitted at least one scholarly work to a national, regional, or local meeting, or for publication. <sup>(Core)</sup></p>
<b>Interventional Radiology</b>	<p><b>IV.D.3. Resident Scholarly Activity</b></p> <p><b>IV.D.3.a) Residents must participate in scholarship.</b> <sup>(Core)</sup></p> <p>IV.D.3.b) Residents must have training in critical thinking skills and research design. <sup>(Core)</sup></p> <p>IV.D.3.c) All residents must engage in a scholarly project under faculty member supervision. <sup>(Core)</sup></p> <p>IV.D.3.c).(1) 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. <sup>(Core)</sup></p> <p>IV.D.3.c).(2) The program should specify how each project will be evaluated. <sup>(Detail)</sup></p> <p>IV.D.3.d) All graduating residents should have submitted at least one scholarly work to a national, regional, or local meeting, or for publication. <sup>(Core)</sup></p>
Abdominal Radiology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) The program must provide instruction in the fundamentals of experimental design, performance, and interpretation of results. <sup>(Core)</sup></p> <p>IV.D.3.b) All fellows must engage in a scholarly project. <sup>(Core)</sup></p> <p>IV.D.3.b).(1) Scholarly projects should demonstrate the fellows’ competence in the fundamentals of research by the completion of and/or participation in one of the following projects, but not limited to:</p> <p>IV.D.3.b).(1).(a) laboratory research; <sup>(Detail)</sup></p> <p>IV.D.3.b).(1).(b) clinical research; or, <sup>(Detail)</sup></p>

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	<p>IV.D.3.b).(1).(c) analysis of disease processes, imaging techniques, or practice management issues. (Detail)</p> <p>IV.D.3.b).(2) The results of such projects should be disseminated in the academic community by either submission for publication within a printed journal or online educational resource, or presentation at departmental, institutional, local, regional, national, or international meetings. (Outcome)</p>
Musculoskeletal Radiology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) The program must provide instruction in the fundamentals of experimental design, performance, and interpretation of results. (Core)</p> <p>IV.D.3.b) All fellows must engage in a scholarly project. (Core)</p> <p>IV.D.3.b).(1) Scholarly projects should demonstrate the fellows’ competence in the fundamentals of research by the completion of and/or participation in one of the following projects, but not limited to:</p> <p>IV.D.3.b).(1).(a) laboratory research; (Detail)</p> <p>IV.D.3.b).(1).(b) clinical research; (Detail)</p> <p>IV.D.3.b).(1).(c) analysis of disease processes, imaging techniques, or practice management issues. (Detail)</p> <p>IV.D.3.b).(2) The results of such projects should be disseminated in the academic community by either submission for publication within a printed journal or online educational resource, or presentation at departmental, institutional, local, regional, national, or international meetings. (Outcome)</p> <p>IV.D.3.c) Laboratory facilities to support research projects should be available. (Detail)</p>
Neuroradiology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Fellows should be provided with instruction in the fundamentals of experimental design, performance, and interpretation of results. (Core)</p> <p>IV.D.3.a).(1) This instruction should facilitate fellows’ development of competence in the critical assessment of new imaging modalities and of new procedures in neuroradiology. (Detail)</p> <p>IV.D.3.b) Fellows should participate in clinical, basic biomedical, or health services research projects. (Core)</p> <p>IV.D.3.b).(1) Fellows should undertake at least one project as principal investigator. (Detail)</p> <p>IV.D.3.c) Fellows should submit at least one scientific paper or exhibit for presentation at a</p>

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	regional or national meeting. <sup>(Core)</sup>
Nuclear Radiology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) The program must provide instruction in the fundamentals of research principles including experimental design, and performance and interpretation of results. <sup>(Core)</sup></p> <p>IV.D.3.b) All fellows must engage in a scholarly project. <sup>(Core)</sup></p> <p>IV.D.3.b).(1) Scholarly projects should demonstrate the fellows’ competence in the fundamentals of research by the completion of and/or participation in one of the following projects, but not limited to:</p> <p>IV.D.3.b).(1).(a) laboratory research; <sup>(Detail)</sup></p> <p>IV.D.3.b).(1).(b) clinical research; or, <sup>(Detail)</sup></p> <p>IV.D.3.b).(1).(c) analysis of disease processes, imaging techniques, or practice management issues. <sup>(Detail)</sup></p> <p>IV.D.3.b).(2) The results of such projects should be disseminated in the academic community by either submission for publication within a printed journal or online educational resource, or presentation at departmental, institutional, local, regional, national, or international meetings. <sup>(Outcome)</sup></p>
Pediatric Radiology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) The program must provide instruction in the fundamentals of experimental design, performance, and interpretation of results. <sup>(Core)</sup></p> <p>IV.D.3.b) All fellows must engage in a scholarly project. <sup>(Core)</sup></p> <p>IV.D.3.b).(1) Scholarly projects should demonstrate the fellows’ competence in the fundamentals of research by the completion of and/or participation in one of the following projects, but not limited to:</p> <p>IV.D.3.b).(1).(a) laboratory research; <sup>(Detail)</sup></p> <p>IV.D.3.b).(1).(b) clinical research; <sup>(Detail)</sup></p> <p>IV.D.3.b).(1).(c) analysis of disease processes, imaging techniques, or practice management issues. <sup>(Detail)</sup></p> <p>IV.D.3.b).(2) The results of such projects should be disseminated in the academic community by either submission for publication within a printed journal or online educational resource, or presentation at departmental, institutional, local, regional, national, or international meetings. <sup>(Outcome)</sup></p>

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Emergency Medicine	<p><b>IV.D.3. Resident Scholarly Activity</b></p> <p><b>IV.D.3.a) Residents must participate in scholarship.</b> <small>(Core)</small></p> <p>IV.D.3.b) The curriculum must advance the 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.D.3.c) At the time of graduation, each resident should demonstrate:</p> <p>IV.D.3.c).(1) active participation in a research project, or formulation and implementation of an original research project, including funded and non-funded basic science or clinical outcomes research, as well as active participation in an emergency department quality improvement project; or, <small>(Outcome)</small></p> <p>IV.D.3.c).(2) presentation of grand rounds, posters, workshops, quality improvement presentations, podium presentations, webinars; or, <small>(Core)</small></p> <p>IV.D.3.c).(3) grant leadership, non-peer-reviewed print/electronic resources, articles or publications, book chapters, textbooks, service on professional committees, or serving as a journal reviewer, journal editorial board member, or editor; or, <small>(Outcome)</small></p> <p>IV.D.3.c).(4) peer-reviewed publications. <small>(Outcome)</small></p>
Emergency Medical Services	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) 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. <small>(Core)</small></p> <p>IV.D.3.b) Fellows must participate in scholarly activity that includes at least one of the following:</p> <p>IV.D.3.b).(1) peer-reviewed funding and research; <small>(Outcome)</small></p> <p>IV.D.3.b).(2) publication of original research or review articles; or, <small>(Outcome)</small></p> <p>IV.D.3.b).(3) presentations at local, regional, or national professional and scientific society meetings. <small>(Outcome)</small></p>
Family Medicine	<p><b>IV.D.3. Resident Scholarly Activity</b></p> <p><b>IV.D.3.a) Residents must participate in scholarship.</b> <small>(Core)</small></p> <p>IV.D.3.b) Residents should complete two scholarly activities, at least one of which should be a</p>



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	quality improvement project. (Outcome)
Internal Medicine	<p><b>IV.D.3. Resident Scholarly Activity</b></p> <p><b>IV.D.3.a) Residents must participate in scholarship.</b> (Core)</p> <p>IV.D.3.a).(1) While in the program, at least 50 percent of a program’s residents must have demonstrated dissemination engaged in more than one of the following scholarly activities: participation in grand rounds, posters, workshops, quality improvement presentations, podium presentations, grant leadership, non-peer-reviewed print/electronic resources, articles or publications, book chapters, textbooks, webinars, service on professional committees, or serving as a journal reviewer, journal editorial board member, or editor. (Outcome)</p>
Adult Congenital Heart Disease	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) While in the program, all fellows must engage in at least one of the following scholarly activities: participation in grand rounds, posters, workshops, quality improvement presentations, podium presentations, grant leadership, non-peer-reviewed print/electronic resources, articles or publications, book chapters, textbooks, webinars, service on professional committees, or serving as a journal reviewer, journal editorial board member, or editor. (Outcome)</p>
Advanced Heart Failure/Transplant Cardiology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) While in the program, at least one of the following scholarly activities: participation in grand rounds, posters, workshops, quality improvement presentations, podium presentations, grant leadership, non-peer-reviewed print/electronic resources, articles or publications, book chapters, textbooks, webinars, service on professional committees, or serving as a journal reviewer, journal editorial board member, or editor. (Outcome)</p>
Cardiovascular Disease	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) While in the program all fellows must engage in at least one of the following scholarly activities: participation in grand rounds; poster; workshops; quality improvement presentations; podium presentation; grant leadership; non-peer-reviewed print/electronic resources; articles or publications; book chapters; textbooks; webinars; service on professional committees; or serving as a journal reviewer, journal editorial board member, or editor. (Outcome)</p>
Clinical Cardiac Electrophysiology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) While in the program, at least 50 percent of a program’s fellows must engage in more</p>

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	<p>than one of the following scholarly activities: participation in grand rounds, posters, workshops, quality improvement presentations, podium presentations, grant leadership, non-peer-reviewed print/electronic resources, articles or publications, book chapters, textbooks, webinars, service on professional committees, or serving as a journal reviewer, journal editorial board member, or editor. (Outcome)</p>
Critical Care Medicine	<p><b>IV.D.3. Fellow Scholarly Activity</b>            IV.D.3.a) While in the program all fellows must engage in at least one of the following scholarly activities: participation in grand rounds, posters, workshops, quality improvement presentations, podium presentations, grant leadership, non-peer-reviewed print/electronic resources, articles or publications, book chapters, textbooks, webinars, service on professional committees, or serving as a journal reviewer, journal editorial board member, or editor. (Outcome)</p>
Endocrinology, Diabetes and Metabolism	<p><b>IV.D.3. Fellow Scholarly Activity</b>            IV.D.3.a) While in the program all fellows must engage in at least one of the following scholarly activities: participation in grand rounds; posters; workshops; quality improvement presentations; podium presentations; grant leadership; non-peer-reviewed print/electronic resources; articles or publications; book chapters; textbooks; webinars; service on professional committees; or serving as a journal reviewer, journal editorial board member, or editor. (Outcome)</p>
Gastroenterology	<p><b>IV.D.3. Fellow Scholarly Activity</b>            IV.D.3.a) While in the program all fellows must engage in at least one of the following scholarly activities: participation in grand rounds; posters; workshops; quality improvement presentations; podium presentations; grant leadership; non-peer-reviewed print/electronic resources; articles or publications; book chapters; textbooks; webinars; service on professional committees; or serving as a journal reviewer, journal editorial board member, or editor. (Outcome)</p>
Hematology	<p><b>IV.D.3. Fellow Scholarly Activity</b>            IV.D.3.a) While in the program all fellows must engage in at least one of the following scholarly activities: participation in grand rounds, posters, workshops, quality improvement presentations, podium presentations, grant leadership, non-peer-reviewed print/electronic resources, articles or publications, book chapters, textbooks, webinars, service on professional committees, or serving as a journal reviewer, journal editorial board member, or editor. (Outcome)</p>

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Hematology and Medical Oncology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) While in the program all fellows must engage in at least one of the following scholarly activities: participation in grand rounds; posters; workshops; quality improvement presentations; podium presentations; grant leadership; non-peer-reviewed print/electronic resources; articles or publications; book chapters; textbooks; webinars; service on professional committees; or serving as a journal reviewer, journal editorial board member, or editor. <small>(Outcome)</small></p>
Infectious Disease	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) While in the program at least one of the following scholarly activities: participation in grand rounds; posters; workshops; quality improvement presentations; podium presentations; grant leadership; non-peer-reviewed print/electronic resources; articles or publications; book chapters; textbooks; webinars; service on professional committees; or serving as a journal reviewer, journal editorial board member, or editor. <small>(Outcome)</small></p>
Interventional Cardiology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) While in the program, all fellows must engage in at least one of the following scholarly activities: participation in grand rounds, posters, workshops, quality improvement presentations, podium presentations, grant leadership, non-peer-reviewed print/electronic resources, articles or publications, book chapters, textbooks, webinars, service on professional committees, or serving as a journal reviewer, journal editorial board member, or editor. <small>(Outcome)</small></p>
Medical Oncology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) While in the program all fellows must engage in at least one of the following scholarly activities: participation in grand rounds; posters; workshops; quality improvement presentations; podium presentations; grant leadership; non-peer-reviewed print/electronic resources; articles or publications; book chapters; textbooks; webinars; service on professional committees; or serving as a journal reviewer, journal editorial board member, or editor. <small>(Outcome)</small></p>
Nephrology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) While in the program, all fellows must engage in at least one of the following scholarly activities: participation in grand rounds; posters; workshops; quality improvement presentations; podium presentations; grant leadership; non-peer-reviewed print/electronic resources; articles or publications; book chapters; textbooks; webinars; service on professional committees; or serving as a journal reviewer, journal editorial board member, or editor. <small>(Outcome)</small></p>

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Pulmonary Critical Care	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) While in the program all fellows must engage in at least one of the following scholarly activities: participation in grand rounds, posters, workshops, quality improvement presentations, podium presentations, grant leadership, non-peer-reviewed print/electronic resources, articles or publications, book chapters, textbooks, webinars, service on professional committees, or serving as a journal reviewer, journal editorial board member, or editor. <sup>(Outcome)</sup></p>
Pulmonary Disease	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) While in the program all fellows must engage in at least one of the following scholarly activities: participation in grand rounds, posters, workshops, quality improvement presentations, podium presentations, grant leadership, non-peer-reviewed print/electronic resources, articles or publications, book chapters, textbooks, webinars, service on professional committees, or serving as a journal reviewer, journal editorial board member, or editor. <sup>(Outcome)</sup></p>
Rheumatology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) While in the program all fellows must engage in at least one of the following scholarly activities: participation in grand rounds; posters; workshops; quality improvement presentations; podium presentations; grant leadership; non-peer-reviewed print/electronic resources; articles or publications; book chapters; textbooks; webinars; service on professional committees; or serving as a journal reviewer, journal editorial board member, or editor. <sup>(Outcome)</sup></p>
Transplant Hepatology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) While in the program at least one of the following scholarly activities: participation in grand rounds, posters, workshops, quality improvement presentations, podium presentations, grant leadership, non-peer-reviewed print/electronic resources, articles or publications, book chapters, textbooks, webinars, service on professional committees, or serving as a journal reviewer, journal editorial board member, or editor. <sup>(Outcome)</sup></p>
<b>Medical Genetics and Genomics</b>	<p><b>IV.D.3. Resident Scholarly Activity</b></p> <p><b>IV.D.3.a) Residents must participate in scholarship.</b> <sup>(Core)</sup></p> <p>IV.D.3.a).(1) Each resident must demonstrate scholarship through submission of at least one scientific presentation, abstract, or publication. <sup>(Core)</sup></p>
Clinical Biochemical	IV.D.3.a).(1) Each post-doctoral fellow must demonstrate scholarship through at least one scientific

Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
Genetics	presentation, abstract, or publication. (Core)
Laboratory Genetics and Genomics	IV.D.3.a).(1) Each post-doctoral fellow must demonstrate scholarship through at least one scientific presentation, abstract, or publication. (Core)
Medical Biochemical Genetics	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) 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.D.3.b) Fellows must participate in scholarly activity. (Core)</p>
<b>Neurological Surgery</b>	<p><b>IV.D.3. Resident Scholarly Activity</b></p> <p><b>IV.D.3.a) Residents must participate in scholarship. (Core)</b></p> <p>IV.D.3.a).(1) 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.D.3.a).(2) All residents must be regularly involved in scholarly activity that is disseminated through peer- or non-peer-reviewed publications, chapters, abstracts, or presentations. (Core)</p>
<b>Neurology</b>	<p><b>IV.D.3. Resident Scholarly Activity</b></p> <p><b>IV.D.3.a) Residents must participate in scholarship. (Core)</b></p>
Child Neurology	<p><b>IV.D.3. Resident Scholarly Activity</b></p> <p><b>IV.D.3.a) Residents must participate in scholarship. (Core)</b></p>
Clinical Neurophysiology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) 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.D.3.b) Fellows must participate in scholarly activity under the mentorship of program faculty members. (Core)</p> <p>IV.D.3.c) The sponsoring institution and program must allocate adequate educational resources to facilitate fellow involvement in scholarly activities. (Core)</p> <p>IV.D.3.d) Fellows should receive support to attend one regional, national, or international</p>

Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	professional conference during the program. <sup>(Detail)</sup>
Epilepsy	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) 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. <sup>(Core)</sup></p> <p>IV.D.3.b) Fellows should participate in scholarly activity under the mentorship of program faculty members. <sup>(Detail)</sup></p> <p>IV.D.3.c) The Sponsoring Institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities. <sup>(Detail)</sup></p> <p>IV.D.3.d) Fellows should receive support to attend one regional, national, or international professional conference during the program. <sup>(Detail)</sup></p>
Neurodevelopmental Disabilities	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) 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. <sup>(Core)</sup></p> <p>IV.D.3.b) Fellows should participate in scholarly activity under the mentorship of program faculty members. <sup>(Core)</sup></p> <p>IV.D.3.c) The sponsoring institution and the program should allocate adequate educational resources to facilitate fellow involvement in scholarly activity. <sup>(Core)</sup></p> <p>IV.D.3.d) Fellows should receive support to attend one regional, national, or international professional conference during the program. <sup>(Detail)</sup></p>
Vascular Neurology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) 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. <sup>(Core)</sup></p> <p>IV.D.3.b) Fellows must participate in scholarly activity under the mentorship of program faculty members. <sup>(Core)</sup></p> <p>IV.D.3.c) The sponsoring institution and program must allocate adequate educational resources</p>

Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>to facilitate fellow involvement in scholarly activity. <sup>(Core)</sup></p> <p>IV.D.3.d) Fellows should receive support to attend one regional, national, or international professional conference during the program. <sup>(Detail)</sup></p>
<b>Nuclear Medicine</b>	<p><b>IV.D.3. Resident Scholarly Activity</b></p> <p><b>IV.D.3.a) Residents must participate in scholarship.</b> <sup>(Core)</sup></p> <p>IV.D.3.b) All residents must participate in a scholarly project under faculty member supervision. <sup>(Core)</sup></p> <p>IV.D.3.b).(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. <sup>(Core)</sup></p> <p>IV.D.3.b).(2) The results must be published or presented at institutional, local, regional, or national meetings, and included in the Resident Learning Portfolio. <sup>(Outcome)</sup></p> <p>IV.D.3.b).(3) The program must specify how each project will be evaluated. <sup>(Core)</sup></p>
<b>Obstetrics and Gynecology</b>	<p><b>IV.D.3. Resident Scholarly Activity</b></p> <p><b>IV.D.3.a) Residents must participate in scholarship.</b> <sup>(Core)</sup></p>
Complex Family Planning	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) The appointed faculty research mentor must review with the fellow the research curriculum and scholarly paper (thesis) resources, timeline, and expectations. <sup>(Core)</sup></p> <p>IV.D.3.b) The research curriculum must include:</p> <p>IV.D.3.b).(1) structured delivery of education in research design, research methodology, data analysis, and grant writing; <sup>(Core)</sup></p> <p>IV.D.3.b).(2) opportunities for basic, translational, and/or clinical research; and, <sup>(Core)</sup></p> <p>IV.D.3.b).(3) the opportunity for the fellows to present their academic contributions to the complex family planning community. <sup>(Core)</sup></p> <p>IV.D.3.d) Prior to completion of the fellowship, each fellow must complete and defend a scholarly paper (thesis) that meets the certification standards set by the American Board of Obstetrics and Gynecology</p>
Gynecologic	<b>IV.D.3. Fellow Scholarly Activity</b>

Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
Oncology	<p>IV.D.3.a) The appointed faculty research mentor must review with the fellow the research curriculum and scholarly paper (thesis) resources, timeline, and expectations. <sup>(Core)</sup></p> <p>IV.D.3.b) The research curriculum must include:</p> <p>IV.D.3.b).(1) structured delivery of education in research design, research methodology, data analysis, and grant writing; <sup>(Core)</sup></p> <p>IV.D.3.b).(2) opportunities for basic, translational, and/or clinical research; and, <sup>(Core)</sup></p> <p>IV.D.3.b).(3) the opportunity for the fellows to present their academic contributions to the gynecologic oncology community. <sup>(Core)</sup></p> <p>IV.D.3.d) Prior to completion of the fellowship, each fellow must complete and defend a scholarly paper (thesis) that meets the certification standards set by the American Board of Obstetrics and Gynecology or American Osteopathic Board of Obstetrics and Gynecology. <sup>(Core)</sup></p>
Maternal-Fetal Medicine	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) The appointed faculty research mentor must review with the fellows the research curriculum and scholarly paper (thesis) resources, timeline, and expectations. <sup>(Core)</sup></p> <p>IV.D.3.b) The research curriculum must include:</p> <p>IV.D.3.b).(1) structured delivery of education in research design, research methodology, and data analysis, and grant writing; <sup>(Core)</sup></p> <p>IV.D.3.b).(2) opportunities for basic, translational, and/or clinical research; and <sup>(Core)</sup></p> <p>IV.D.3.b).(3) the opportunity for the fellows to present their academic contributions to the maternal-fetal medicine community. <sup>(Core)</sup></p> <p>IV.D.3.d) Prior to completion of the fellowship, each fellow must complete and defend a scholarly paper (thesis) that meets the certification standards set by the American Board of Obstetrics and Gynecology or American Osteopathic Board of Obstetrics and Gynecology. <sup>(Core)</sup></p>
Reproductive Endocrinology and Infertility	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) The appointed faculty research mentor must review with the fellows the research curriculum and scholarly paper (thesis) resources, timeline, and expectations. <sup>(Core)</sup></p>



Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>IV.D.3.b) The research curriculum must include:</p> <p>IV.D.3.b).(1) structured delivery of education in research design, research methodology, data analysis, and grant writing; <sup>(Core)</sup></p> <p>IV.D.3.b).(2) opportunities for basic, translational, and/or clinical research; and, <sup>(Core)</sup></p> <p>IV.D.3.b).(3) the opportunity for the fellows to present their academic contributions to the reproductive endocrinology and infertility community. <sup>(Core)</sup></p> <p>IV.D.3.e) Prior to completion of the fellowship, each fellow must complete and defend a scholarly paper (thesis) that meets the certification standards set by the American Board of Obstetrics and Gynecology or American Osteopathic Board of Obstetrics and Gynecology. <sup>(Core)</sup></p>
<b>Ophthalmology</b>	<p><b>IV.D.3. Resident Scholarly Activity</b></p> <p><b>IV.D.3.a) Residents must participate in scholarship. <sup>(Core)</sup></b></p>
Ophthalmic Plastic and Reconstructive Surgery	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Fellows must participate in scholarly activity. <sup>(Core)</sup></p> <p>IV.D.3.a).(1) Research activities should include participation in clinical trials, prospective and retrospective studies, case reports, and basic science research whenever feasible. <sup>(Core)</sup></p> <p>IV.D.3.a).(2) Fellows should attend local and regional conferences relevant to ophthalmic plastic and reconstructive surgery. <sup>(Core)</sup></p> <p>IV.D.3.a).(3) Each fellow should be a lead author of one peer-reviewed publication related to ophthalmic surgery during fellowship education. <sup>(Core)</sup></p> <p>IV.D.3.a).(4) Each fellow must maintain a log of attendance at conferences, lectures given, journal clubs attended, involvement in research activities, publications, and meetings attended, to be reviewed by the program director during fellowship education. <sup>(Core)</sup></p>
<b>Orthopaedic Surgery</b>	<p><b>IV.D.3. Resident Scholarly Activity</b></p> <p><b>IV.D.3.a) Residents must participate in scholarship. <sup>(Core)</sup></b></p> <p>IV.D.3.a).(1) Each resident must demonstrate scholarship through at least one of the following</p>

Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	activities: IV.D.3.a).(1).(a) participation in sponsored research; (Outcome) IV.D.3.a).(1).(b) preparation of an article for a peer-reviewed publication; (Outcome) IV.D.3.a).(1).(c) presentation of research at a regional or national meeting; or, (Outcome) IV.D.3.a).(1).(d) participation in a structured literature review of an important topic. (Outcome) IV.D.3.a).(2) At least 25 percent of residents must be involved in scholarly activity that is disseminated through abstracts, or presentations, chapters, or peer- or non-peer-reviewed publications. (Core)
Adult Reconstructive Orthopaedic Surgery	<b>IV.D.3. Fellow Scholarly Activity</b> IV.D.3.a) Fellows must participate in basic and/or clinical hypothesis-based research. (Core) IV.D.3.b) Each fellow should demonstrate scholarship during the program through one or more of the following: peer-reviewed publications; abstracts, posters or presentations at international, national, or regional meetings; publication of book chapters; or lectures or formal presentations (such as grand rounds or case presentations). (Outcome)
Foot and Ankle Orthopaedic Surgery	<b>IV.D.3. Fellow Scholarly Activity</b> IV.D.3.a) Fellows must participate in basic and/or clinical hypothesis-based research. (Core) IV.D.3.b) Each fellow should demonstrate scholarship during the program through one or more of the following: peer-reviewed publications; abstracts, posters, or presentations at international, national, or regional meetings; publication of book chapters; or lectures or formal presentations (such as grand rounds or case presentations). (Outcome)
Musculoskeletal Oncology	<b>IV.D.3. Fellow Scholarly Activity</b> IV.D.3.a) Fellows must participate in basic and/or clinical hypothesis-based research. (Core) IV.D.3.b) Each fellow should demonstrate scholarship during the program through one or more of the following: peer-reviewed publications; abstracts, posters, or presentations at international, national, or regional meetings; publication of book chapters; or lectures or formal presentations (such as grand rounds or case presentations). (Outcome)
Orthopaedic Sports	<b>IV.D.3. Fellow Scholarly Activity</b>

Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
Medicine	<p>IV.D.3.a) Fellows must participate in basic and/or clinical hypothesis based research. <sup>(Core)</sup></p> <p>IV.D.3.b) Each fellow should also demonstrate scholarship during the program through one or more of the following: peer-reviewed publications; abstracts, posters, or presentations at international, national, or regional meetings; publication of book chapters; or lectures or formal presentations, such as grand rounds or case presentations. <sup>(Outcome)</sup></p>
Orthopaedic Trauma	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Fellows must participate in basic and/or clinical hypothesis-based research. <sup>(Core)</sup></p> <p>IV.D.3.b) Each fellow should demonstrate scholarship during the program through one or more of the following: peer-reviewed publications; abstracts, posters, or presentations at international, national, or regional meetings; publication of book chapters; or lectures or formal presentations (such as grand rounds or case presentations). <sup>(Outcome)</sup></p>
Pediatric Orthopaedic Surgery	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Fellows must participate in basic and/or clinical hypothesis-based research. <sup>(Core)</sup></p> <p>IV.D.3.b) Each fellow should also demonstrate scholarship during the program through one or more of the following: peer-reviewed publications; abstracts, posters, or presentations at international, national, or regional meetings; publication of book chapters; or lectures or formal presentations (such as grand rounds or case presentations). <sup>(Outcome)</sup></p>
Surgery of the Spine	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Fellows must participate in basic and/or clinical hypothesis-based research. <sup>(Core)</sup></p> <p>IV.D.3.b) Each fellow should also demonstrate scholarship during the program through one or more of the following: peer-reviewed publications; abstracts, posters, or presentations at international, national, or regional meetings; publication of book chapters; or lectures or formal presentations, such as grand rounds or case presentations. <sup>(Outcome)</sup></p>
<b>Osteopathic Neuromusculoskeletal Medicine</b>	<p><b>IV.D.3. Resident Scholarly Activity</b></p> <p><b>IV.D.3.a) Residents must participate in scholarship.</b> <sup>(Core)</sup></p> <p>IV.D.3.a).(1) Residents must demonstrate one of the following forms of scholarship and/or academic productivity prior to completion of the program: <sup>(Core)</sup></p> <p>IV.D.3.a).(1).(a) an original paper on a neuromusculoskeletal medicine topic suitable for</p>

Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>publication; <sup>(Core)</sup></p> <p>IV.D.3.a).(1).(b) a presented scholarly project, within the scope of neuromusculoskeletal medicine, such as a quality assurance or practice improvement project; or, <sup>(Core)</sup></p> <p>IV.D.3.a).(1).(c) preparation and presentation of a neuromusculoskeletal medicine-related topic at a state, regional, or national meeting. <sup>(Core)</sup></p> <p>IV.D.3.a).(2) Residents must participate in local, state, and/or national professional organizations. <sup>(Core)</sup></p>
<b>Otolaryngology – Head and Neck Surgery</b>	<p><b>IV.D.3. Resident Scholarly Activity</b></p> <p><b>IV.D.3.a) Residents must participate in scholarship. <sup>(Core)</sup></b></p> <p>IV.D.3.a).(1) The research experience (program requirement IV.C.7) should result in a completed manuscript suitable for publication in a peer-reviewed journal. <sup>(Outcome)</sup></p>
Neurotology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) During the course of the fellowship, each fellow should prepare and submit, at minimum, one paper for publication in a peer-reviewed journal. <sup>(Outcome)</sup></p>
Pediatric Otolaryngology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) 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. <sup>(Outcome)</sup></p>
<b>Pathology</b>	<p><b>IV.D.3. Resident Scholarly Activity</b></p> <p><b>IV.D.3.a) Residents must participate in scholarship. <sup>(Core)</sup></b></p> <p>IV.D.3.a).(1) Each resident should participate in at least one of the following: <sup>(Detail)</sup></p> <p>IV.D.3.a).(1).(a) research; <sup>(Detail)</sup></p> <p>IV.D.3.a).(1).(b) evidence-based presentations at journal club or meetings (local, regional, or national); or, <sup>(Detail)</sup></p> <p>IV.D.3.a).(1).(c) preparation/submission of articles for peer-reviewed publication. <sup>(Detail)</sup></p>
Blood Banking/Transfusion	<p><b>IV.D.3. Fellow Scholarly Activity</b></p>

Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
Medicine	<p>IV.D.3.a) <small>(Core)</small> Each fellow must participate in scholarly activity, including at least one of the following:</p> <p>IV.D.3.a).(1) <small>(Core)</small> evidence-based presentations at journal club or meetings (local, regional or national);</p> <p>IV.D.3.a).(2) preparation and submission of articles for peer-reviewed publications; or, <small>(Core)</small></p> <p>IV.D.3.a).(3) research. <small>(Core)</small></p>
Chemical Pathology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) <small>(Core)</small> Each fellow must participate in scholarly activity, including at least one of the following:</p> <p>IV.D.3.a).(1) <small>(Core)</small> evidence-based presentations at journal club or meetings (local, regional, or national);</p> <p>IV.D.3.a).(2) preparation and submission of articles for peer-reviewed publications; or, <small>(Core)</small></p> <p>IV.D.3.a).(3) research. <small>(Core)</small></p> <p>IV.D.3.b) Each fellow must participate in research and development or evaluation of new testing methods in clinical chemistry. <small>(Core)</small></p>
Cytopathology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) <small>(Core)</small> Each fellow must participate in scholarly activity, including at least one of the following:</p> <p>IV.D.3.a).(1) <small>(Core)</small> evidence-based presentations at journal club or meetings (local, regional, or national);</p> <p>IV.D.3.a).(2) preparation and submission of articles for peer-reviewed publications; or, <small>(Core)</small></p> <p>IV.D.3.a).(3) research. <small>(Core)</small></p>
Forensic Pathology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) <small>(Core)</small> Each fellow must participate in scholarly activity, including at least one of the following:</p> <p>IV.D.3.a).(1) evidence-based presentations at journal club or meetings (local, regional, or national);</p>

Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>(Core)</p> <p>IV.D.3.a).(2) preparation and submission of articles for peer-reviewed publications; or, (Core)</p> <p>IV.D.3.a).(3) research. (Core)</p>
Hematopathology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Each fellow must participate in scholarly activity, including at least one of the following: (Core)</p> <p>IV.D.3.a).(1) evidence-based presentations at journal club or meetings (local, regional or national); (Core)</p> <p>IV.D.3.a).(2) preparation and submission of articles for peer-reviewed publications, or, (Core)</p> <p>IV.D.3.a).(3) research. (Core)</p>
Medical Microbiology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Each fellow must participate in scholarly activity, including at least one of the following: (Core)</p> <p>IV.D.3.a).(1) evidence-based presentations at journal club or meetings (local, regional, or national); (Core)</p> <p>IV.D.3.a).(2) preparation and submission of articles for peer-reviewed publications; or, (Core)</p> <p>IV.D.3.a).(3) research. (Core)</p> <p>IV.D.3.b) 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><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Each fellow must participate in scholarly activity, including at least one of the following: (Core)</p> <p>IV.D.3.a).(1) evidence-based presentations at journal club or meetings (local, regional, or national); (Core)</p> <p>IV.D.3.a).(2) preparation and submission of articles for peer-reviewed publications; or, (Core)</p> <p>IV.D.3.a).(3) research. (Core)</p>

Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
Pediatric Pathology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Each fellow must participate in scholarly activity, including at least one of the following: (Core)</p> <p>IV.D.3.a).(1) evidence-based presentations at journal club or meetings (local, regional or national); (Core)</p> <p>IV.D.3.a).(2) preparation and submission of articles for peer-reviewed publications; or, (Core)</p> <p>IV.D.3.a).(3) research. (Core)</p>
Selective Pathology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Each fellow must participate in scholarly activity, including at least one of the following: (Core)</p> <p>IV.D.3.a).(1) evidence-based presentations at journal club or meetings (local, regional, or national); (Core)</p> <p>IV.D.3.a).(2) preparation and submission of articles for peer-reviewed publications; or, (Core)</p> <p>IV.D.3.a).(3) clinical or basic science research projects. (Core)</p>
<b>Pediatrics</b>	<p><b>IV.D.3. Resident Scholarly Activity</b></p> <p><b>IV.D.3.a) Residents must participate in scholarship. (Core)</b></p>
Adolescent Medicine	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Where appropriate, the core curriculum in scholarly activity should be a collaborative effort involving all of the pediatric subspecialty programs at the institution. (Detail)</p> <p>IV.D.3.b) Each fellow must design and conduct a scholarly project under the guidance of the program director and a designated mentor. (Core)</p> <p>IV.D.3.c) The program must provide a scholarship oversight committee for each fellow to oversee and evaluate their progress as related to the scholarly project. (Core)</p> <p>IV.D.3.c).(1) Where applicable, the process of establishing fellow scholarship oversight committees should be a collaborative effort involving other pediatric subspecialty programs or other experts. (Detail)</p> <p>IV.D.3.d) The scholarly experience must begin in the first year and continue throughout the</p>

Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>duration of the educational program. <sup>(Core)</sup></p> <p>IV.D.3.d).(1) Fellows must have a minimum of 12 months dedicated to research and scholarly activity, including the development of requisite skills, project completion, and presentation of results to the scholarship oversight committee. <sup>(Core)</sup></p>
Child Abuse	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Where appropriate, the core curriculum in scholarly activity should be a collaborative effort involving all of the pediatric subspecialty programs at the institution. <sup>(Detail)</sup></p> <p>IV.D.3.b) Each fellow must design and conduct a scholarly project under the guidance of the program director and a designated mentor. <sup>(Core)</sup></p> <p>IV.D.3.c) The program must provide a scholarship oversight committee for each fellow to oversee and evaluate their progress as related to the scholarly project. <sup>(Core)</sup></p> <p>IV.D.3.c).(1) Where applicable, the process of establishing fellow scholarship oversight committees should be a collaborative effort involving other pediatric subspecialty programs or other experts. <sup>(Detail)</sup></p> <p>IV.D.3.d) The scholarly experience must begin in the first year and continue throughout the duration of the educational program. <sup>(Core)</sup></p> <p>IV.D.3.d).(1) Fellows must have a minimum of 12 months dedicated to research and scholarly activity, including the development of requisite skills, project completion, and presentation of results to the scholarship oversight committee. <sup>(Core)</sup></p>
Developmental-Behavioral Pediatrics	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Where appropriate, the core curriculum in scholarly activity should be a collaborative effort involving all of the pediatric subspecialty programs at the institution. <sup>(Detail)</sup></p> <p>IV.D.3.b) Each fellow must design and conduct a scholarly project under the guidance of the program director and a designated mentor. <sup>(Core)</sup></p> <p>IV.D.3.c) The program must provide a scholarship oversight committee for each fellow to oversee and evaluate their progress as related to the scholarly project. <sup>(Core)</sup></p> <p>IV.D.3.c).(1) Where applicable, the process of establishing fellow scholarship oversight committees should be a collaborative effort involving other pediatric subspecialty programs or other experts. <sup>(Detail)</sup></p> <p>IV.D.3.d) The scholarly experience must begin in the first year and continue throughout the</p>



Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>duration of the educational program. <sup>(Core)</sup></p> <p>IV.D.3.d).(1) Fellows must have a minimum of 12 months dedicated to research and scholarly activity, including the development of requisite skills, project completion, and presentation of results to the scholarship oversight committee. <sup>(Core)</sup></p>
Neonatal-Perinatal Medicine	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Where appropriate, the core curriculum in scholarly activity should be a collaborative effort involving all of the pediatric subspecialty programs at the institution. <sup>(Detail)</sup></p> <p>IV.D.3.b) Each fellow must design and conduct a scholarly project under the guidance of the program director and a designated mentor. <sup>(Core)</sup></p> <p>IV.D.3.c) The program must provide a scholarship oversight committee for each fellow to oversee and evaluate their progress as related to the scholarly project. <sup>(Core)</sup></p> <p>IV.D.3.c).(1) Where applicable, the process of establishing fellow scholarship oversight committees should be a collaborative effort involving other pediatric subspecialty programs or other experts. <sup>(Detail)</sup></p> <p>IV.D.3.d) The scholarly experience must begin in the first year and continue throughout the duration of the educational program. <sup>(Core)</sup></p> <p>IV.D.3.d).(1) Fellows must have a minimum of 12 months dedicated to research and scholarly activity, including the development of requisite skills, project completion, and presentation of results to the scholarship oversight committee. <sup>(Core)</sup></p>
Pediatric Cardiology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Where appropriate, the core curriculum in scholarly activity should be a collaborative effort involving all of the pediatric subspecialty programs at the institution. <sup>(Detail)</sup></p> <p>IV.D.3.b) Each fellow must design and conduct a scholarly project under the guidance of the program director and a designated mentor. <sup>(Core)</sup></p> <p>IV.D.3.c) The program must provide a scholarship oversight committee for each fellow to oversee and evaluate their progress as related to the scholarly project. <sup>(Core)</sup></p> <p>IV.D.3.c).(1) Where applicable, the process of establishing fellow scholarship oversight committees should be a collaborative effort involving other pediatric subspecialty programs or other experts. <sup>(Detail)</sup></p> <p>IV.D.3.d) The scholarly experience must begin in the first year and continue throughout the</p>

Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>duration of the educational program. <sup>(Core)</sup></p> <p>IV.D.3.d).(1) Fellows must have a minimum of 12 months dedicated to research and scholarly activity, including the development of requisite skills, project completion, and presentation of results to the scholarship oversight committee. <sup>(Core)</sup></p>
Pediatric Critical Care	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Where appropriate, the core curriculum in scholarly activity should be a collaborative effort involving all of the pediatric subspecialty programs at the institution. <sup>(Detail)</sup></p> <p>IV.D.3.b) Each fellow must design and conduct a scholarly project under the guidance of the program director and a designated mentor. <sup>(Core)</sup></p> <p>IV.D.3.c) The program must provide a scholarship oversight committee for each fellow to oversee and evaluate their progress as related to the scholarly project. <sup>(Core)</sup></p> <p>IV.D.3.c).(1) Where applicable, the process of establishing fellow scholarship oversight committees should be a collaborative effort involving other pediatric subspecialty programs or other experts. <sup>(Detail)</sup></p> <p>IV.D.3.d) The scholarly experience must begin in the first year and continue throughout the duration of the educational program. <sup>(Core)</sup></p> <p>IV.D.3.d).(1) Fellows must have a minimum of 12 months dedicated to research and scholarly activity including the development of requisite skills, project completion, and presentation of results to the scholarship oversight committee. <sup>(Core)</sup></p>
Pediatric Endocrinology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Where appropriate, the core curriculum in scholarly activity should be a collaborative effort involving all of the pediatric subspecialty programs at the institution. <sup>(Detail)</sup></p> <p>IV.D.3.b) Each fellow must design and conduct a scholarly project under the guidance of the fellowship director and a designated mentor. <sup>(Core)</sup></p> <p>IV.D.3.c) The program must provide a scholarship oversight committee for each fellow to oversee and evaluate their progress as related to the scholarly project. <sup>(Core)</sup></p> <p>IV.D.3.c).(1) Where applicable, the process of establishing fellow scholarship oversight committees should be a collaborative effort involving other pediatric subspecialty programs or other experts. <sup>(Detail)</sup></p> <p>IV.D.3.d) The scholarly experience must begin in the first year and continue throughout the</p>

Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>duration of the educational program. <sup>(Core)</sup></p> <p>IV.D.3.d).(1) Fellows must have a minimum of 12 months dedicated to research and scholarly activity, including the development of requisite skills, project completion, and presentation of results to the scholarship oversight committee. <sup>(Core)</sup></p>
<p>Pediatric Gastroenterology</p>	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Where appropriate, the core curriculum in scholarly activity should be a collaborative effort involving all of the pediatric subspecialty programs at the institution. <sup>(Detail)</sup></p> <p>IV.D.3.b) Each fellow must design and conduct a scholarly project under the guidance of the program director and a designated mentor. <sup>(Core)</sup></p> <p>IV.D.3.c) The program must provide a scholarship oversight committee for each fellow to oversee and evaluate their progress as related to the scholarly project. <sup>(Core)</sup></p> <p>IV.D.3.c).(1) Where applicable, the process of establishing fellow scholarship oversight committees should be a collaborative effort involving other pediatric subspecialty programs or other experts. <sup>(Detail)</sup></p> <p>IV.D.3.d) The scholarly experience must begin in the first year and throughout the duration of the educational program. <sup>(Core)</sup></p> <p>IV.D.3.d).(1) Fellows must have a minimum of 12 months dedicated to research and scholarly activity, including the development of requisite skills, project completion, and presentation of results to the scholarship oversight committee. <sup>(Core)</sup></p>
<p>Pediatric Hematology Oncology</p>	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Where appropriate, the core curriculum in scholarly activity should be a collaborative effort involving all of the pediatric subspecialty programs at the institution. <sup>(Detail)</sup></p> <p>IV.D.3.b) Each fellow must design and conduct a scholarly project under the guidance of the program director and a designated mentor. <sup>(Core)</sup></p> <p>IV.D.3.c) The program must provide a scholarship oversight committee for each fellow to oversee and evaluate their progress as related to the scholarly project. <sup>(Core)</sup></p> <p>IV.D.3.c).(1) Where applicable, the process of establishing fellow scholarship oversight committees should be a collaborative effort involving other pediatric subspecialty programs or other experts. <sup>(Detail)</sup></p> <p>IV.D.3.d) The scholarly experience must begin in the first year and continue throughout the</p>

Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>duration of the educational program. <sup>(Core)</sup></p> <p>IV.D.3.d).(1) Fellows must have a minimum of 12 months dedicated to research and scholarly activity, including the development of requisite skills, project completion, and presentation of results to the scholarship oversight committee. <sup>(Core)</sup></p>
Pediatric Hospital Medicine	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Where appropriate, the core curriculum in scholarly activity should be a collaborative effort involving all of the pediatric subspecialty programs at the Sponsoring Institution. <sup>(Detail)</sup></p> <p>IV.D.3.b) Each fellow must design and conduct a scholarly project under the guidance of the program director and a designated mentor. <sup>(Core)</sup></p> <p>IV.D.3.c) The program must provide a Scholarship Oversight Committee for each fellow to oversee and evaluate their progress as related to the scholarly project. <sup>(Core)</sup></p> <p>IV.D.3.c).(1) Where applicable, the process of establishing fellow Scholarship Oversight Committees should be a collaborative effort involving other pediatric subspecialty programs or experts. <sup>(Detail)</sup></p> <p>IV.D.3.d) The scholarly experience must begin in the first year and continue throughout the duration of the educational program. <sup>(Core)</sup></p> <p>IV.D.3.d).(1) Fellows must have at least 32 weeks dedicated to scholarly activity, including the development of requisite skills, project completion, and presentation of results to the Scholarship Oversight Committee. <sup>(Core)</sup></p>
Pediatric Infectious Diseases	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Where appropriate, the core curriculum in scholarly activity should be a collaborative effort involving all of the pediatric subspecialty programs at the institution. <sup>(Detail)</sup></p> <p>IV.D.3.b) Each fellow must design and conduct a scholarly project under the guidance of the fellowship director and a designated mentor. <sup>(Core)</sup></p> <p>IV.D.3.c) The program must provide a scholarship oversight committee for each fellow to oversee</p>

Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>and evaluate their progress as related to the scholarly project. <sup>(Core)</sup></p> <p>IV.D.3.c).(1) Where applicable, the process of establishing fellow scholarship oversight committees should be a collaborative effort involving other pediatric subspecialty programs or other experts. <sup>(Detail)</sup></p> <p>IV.D.3.d) The scholarly experience must begin in the first year and continue throughout the duration of the educational program. <sup>(Core)</sup></p> <p>IV.D.3.d).(1) Fellows must have a minimum of 12 months dedicated to research and scholarly activity, including the development of requisite skills, project completion, and presentation of results to the scholarship oversight committee. <sup>(Core)</sup></p>
Pediatric Nephrology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Where appropriate, the core curriculum in scholarly activity should be a collaborative effort involving all of the pediatric subspecialty programs at the institution. <sup>(Detail)</sup></p> <p>IV.D.3.b) Each fellow must design and conduct a scholarly project under the guidance of the program director and a designated mentor. <sup>(Core)</sup></p> <p>IV.D.3.c) The program must provide a scholarship oversight committee for each fellow to oversee and evaluate their progress as related to the scholarly project. <sup>(Core)</sup></p> <p>IV.D.3.c).(1) Where applicable, the process of establishing fellow scholarship oversight committees should be a collaborative effort involving other pediatric subspecialty programs or other experts. <sup>(Detail)</sup></p> <p>IV.D.3.d) The scholarly experience must begin in the first year and continue throughout the duration of the educational program. <sup>(Core)</sup></p> <p>IV.D.3.d).(1) Fellows must have a minimum of 12 months dedicated to research and scholarly activity, including the development of requisite skills, project completion, and presentation of results to the scholarship oversight committee. <sup>(Core)</sup></p>
Pediatric Pulmonology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Where appropriate, the core curriculum in scholarly activity should be a collaborative effort involving all of the pediatric subspecialty programs at the institution. <sup>(Detail)</sup></p> <p>IV.D.3.b) Each fellow must design and conduct a scholarly project under the guidance of the program director and a designated mentor. <sup>(Core)</sup></p> <p>IV.D.3.c) The program must provide a scholarship oversight committee for each fellow to oversee</p>

Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>and evaluate their progress as related to the scholarly project. <sup>(Core)</sup></p> <p>IV.D.3.c).(1) Where applicable, the process of establishing fellow scholarship oversight committees should be a collaborative effort involving other pediatric subspecialty programs or other experts. <sup>(Detail)</sup></p> <p>IV.D.3.d) The scholarly experience must begin in the first year and continue throughout the duration of the educational program. <sup>(Core)</sup></p> <p>IV.D.3.d).(1) Fellows must have a minimum of 12 months dedicated to research and scholarly activity, including the development of requisite skills, project completion, and presentation of results to the scholarship oversight committee. <sup>(Core)</sup></p>
Pediatric Rheumatology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Where appropriate, the core curriculum in scholarly activity should be a collaborative effort involving all of the pediatric subspecialty programs at the institution. <sup>(Detail)</sup></p> <p>IV.D.3.b) Each fellow must design and conduct a scholarly project under the guidance of the program director and a designated mentor. <sup>(Core)</sup></p> <p>IV.D.3.c) The program must provide a scholarship oversight committee for each fellow to oversee and evaluate their progress as related to the scholarly project. <sup>(Core)</sup></p> <p>IV.D.3.c).(1) Where applicable, the process of establishing fellow scholarship oversight committees should be a collaborative effort involving other pediatric subspecialty programs or other experts. <sup>(Detail)</sup></p> <p>IV.D.3.d) The scholarly experience must begin in the first year and continue throughout the duration of the educational program. <sup>(Core)</sup></p> <p>IV.D.3.d).(1) Fellows must have a minimum of 12 months dedicated to research and scholarly activity, including the development of requisite skills, project completion, and presentation of results to the scholarship oversight committee. <sup>(Core)</sup></p>
Pediatric Transplant Hepatology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Fellows must have the opportunity to participate in scholarly activity, including having protected time for research. <sup>(Core)</sup></p>
<b>Physical Medicine and Rehabilitation</b>	<p><b>IV.D.3. Resident Scholarly Activity</b></p> <p><b>IV.D.3.a) Residents must participate in scholarship.</b> <sup>(Core)</sup></p> <p>IV.D.3.a).(1) The curriculum must advance residents’ knowledge of the basic principles of research,</p>

Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>including how research is conducted, evaluated, explained to patients, and applied to patient care. <sup>(Core)</sup></p> <p>IV.D.3.a).(2) Residents should have assigned time to conduct research or other scholarly activities. <sup>(Detail)</sup></p> <p>IV.D.3.a).(3) Each resident should demonstrate scholarship through at least one scientific presentation, abstract, or publication. <sup>(Outcome)</sup></p>
Pediatric Rehabilitation Medicine	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) 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. <sup>(Core)</sup></p> <p>IV.D.3.b) Fellows should participate in structured, supervised research education. <sup>(Detail)</sup></p> <p>IV.D.3.c) Each fellow should demonstrate scholarship through at least one scientific presentation, abstract, or publication. <sup>(Outcome)</sup></p>
Spinal Cord Injury Medicine	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) 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. <sup>(Core)</sup></p> <p>IV.C.3.b) Fellows should have assigned time to conduct research or other scholarly activities. <sup>(Detail)</sup></p> <p>IV.D.3.c) Each fellow should demonstrate scholarship through at least one scientific presentation, abstract, or publication. <sup>(Outcome)</sup></p>
Plastic Surgery	<p><b>IV.D.3. Resident Scholarly Activity</b></p> <p><b>IV.D.3.a) Residents must participate in scholarship. <sup>(Core)</sup></b></p> <p>IV.D.3.a).(1) Residents must demonstrate annual scholarship and/or academic productivity to include two or more of the following: <sup>(Core)</sup></p> <p>IV.D.3.a).(1).(a) peer-reviewed publications with PubMed-Indexed for Medline (PMID); <sup>(Core)</sup></p> <p>IV.D.3.a).(1).(b) conference presentations, including abstracts and posters, given at international, national, or regional meetings; <sup>(Core)</sup></p> <p>IV.D.3.a).(1).(c) textbook chapters; <sup>(Core)</sup></p>

Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	IV.D.3.a).(1).(d) funded or non-funded basic science or clinical outcomes research projects; <sup>(Core)</sup> IV.D.3.a).(1).(e) quality improvement projects; or, <sup>(Core)</sup> IV.D.3.a).(1).(f) teaching lectures or presentations (e.g., grand rounds) of at least 30 minutes in duration within the Sponsoring Institution or program. <sup>(Core)</sup> IV.D.3.b) Residents must participate and present educational material at conferences. <sup>(Core)</sup>
Craniofacial Surgery	N/A
<b>Aerospace Medicine</b> <b>Occupational and Environmental Medicine</b> <b>Public Health and General Preventive Medicine</b>	<b>IV.D.3. Resident Scholarly Activity</b> <b>IV.D.3.a) Residents must participate in scholarship.</b> <sup>(Core)</sup>
<b>Psychiatry</b>	<b>IV.D.3. Resident Scholarly Activity</b> <b>IV.D.3.a) Residents must participate in scholarship.</b> <sup>(Core)</sup> IV.D.3.a).(1) 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. <sup>(Core)</sup> IV.D.3.a).(2) The program must provide interested residents access to and the opportunity to participate actively in ongoing research under a mentor. <sup>(Core)</sup> IV.D.3.a).(3) 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. <sup>(Core)</sup>
Addiction Psychiatry	<b>IV.D.3. Fellow Scholarly Activity</b> IV.D.3.a) Fellows must participate in developing new knowledge or evaluating research findings. <sup>(Core)</sup>
Child and Adolescent Psychiatry	<b>IV.D.3. Fellow Scholarly Activity</b> IV.D.3.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,



Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>critical appraisal, and medical decision-making. <sup>(Core)</sup></p> <p>IV.D.3.b) The program must provide opportunities for research and development of research skills for fellows interested in conducting research in psychiatry or related fields. <sup>(Core)</sup></p> <p>IV.D.3.c) The program must provide interested fellows access to and the opportunity to participate actively in ongoing research under a mentor. <sup>(Core)</sup></p> <p>IV.D.3.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. <sup>(Core)</sup></p>
Consultation-Liaison Psychiatry	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Fellows must participate in developing new knowledge or evaluating research findings. <sup>(Core)</sup></p>
Forensic Psychiatry	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Fellows must participate in developing new knowledge or evaluating research findings. <sup>(Core)</sup></p>
Geriatric Psychiatry	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Fellows must participate in developing new knowledge or evaluating research findings. <sup>(Core)</sup></p>
<b>Radiation Oncology</b>	<p><b>IV.D.3. Resident Scholarly Activity</b></p> <p><b>IV.D.3.a) Residents must participate in scholarship.</b> <sup>(Core)</sup></p> <p>IV.D.3.b) Residents must complete an investigative project under faculty member supervision. <sup>(Core)</sup></p> <p>IV.D.3.b).(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. <sup>(Detail)</sup></p> <p>IV.D.3.b).(2) The results of such projects should be suitable for publication in peer-reviewed scholarly journals or presentation at scientific meetings. <sup>(Detail)</sup></p>
<b>Surgery</b>	<p><b>IV.D.3. Resident Scholarly Activity</b></p>

Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<b>IV.D.3.a Residents must participate in scholarship.</b> <sup>(Core)</sup>
Complex General Surgical Oncology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) 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. <sup>(Core)</sup></p> <p>IV.D.3.b) 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. <sup>(Outcome)</sup></p>
Pediatric Surgery	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Fellows must demonstrate knowledge of design, implementation, and interpretation of clinical research studies. <sup>(Outcome)</sup></p>
Surgical Critical Care	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Fellow(s) must demonstrate scholarship by one or more of the following annually: <sup>(Core)</sup></p> <p>IV.D.3.a).(1) participation in quality improvement and/or patient safety projects and/or publications; <sup>(Detail)</sup></p> <p>IV.D.3.a).(2) participation in development of curricular materials; <sup>(Detail)</sup></p> <p>IV.D.3.a).(3) participation in local, regional, national committees, or other activities related to educational organizations; <sup>(Detail)</sup></p> <p>IV.D.3.a).(4) non-peer reviewed publications; <sup>(Detail)</sup></p> <p>IV.D.3.a).(5) publication or presentation of case reports or clinical series at local, regional, or national professional and scientific society meetings; <sup>(Detail)</sup></p> <p>IV.D.3.a).(6) publication of original research or review articles in peer-reviewed journals, or chapters in textbooks; or, <sup>(Detail)</sup></p> <p>IV.D.3.a).(7) peer-reviewed funding or publication. <sup>(Detail)</sup></p>
Vascular Surgery -	<b>IV.D.3. Resident Scholarly Activity</b>

Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
Integrated	<p><b>IV.D.3.a) Residents must participate in scholarship.</b> <sup>(Core)</sup></p> <p>IV.D.3.a).(1) Residents must have instruction in critical thinking, design of experiments, and evaluation of data. <sup>(Detail)</sup></p> <p>IV.D.3.a).(2) Residents should participate in clinical and/or laboratory research. <sup>(Detail)</sup></p>
Vascular Surgery - Independent	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Fellows must have instruction in critical thinking, design of experiments, and evaluation of data. <sup>(Detail)</sup></p> <p>IV.D.3.b) Fellows should participate in clinical and/or laboratory research. <sup>(Detail)</sup></p>
<b>Thoracic Surgery - Integrated</b>	<p><b>IV.D.3. Resident Scholarly Activity</b></p> <p><b>IV.D.3.a) Residents must participate in scholarship.</b> <sup>(Core)</sup></p> <p>IV.D.3.b) Residents must not have a protected research rotation during the program. <sup>(Core)</sup></p> <p>IV.D.3.c) Each resident must demonstrate annual scholarship that results in one or more of the following: <sup>(Core)</sup></p> <p>IV.D.3.c).(1) peer-reviewed/indexed publications with PubMed-Indexed for Medline (PMID); or, <sup>(Detail)</sup></p> <p>IV.D.3.c).(2) conference presentations, including abstracts and posters, at international, national, regional meetings; or, <sup>(Detail)</sup></p> <p>IV.D.3.c).(3) textbook chapters; or, <sup>(Detail)</sup></p> <p>IV.D.3.c).(4) participation in basic, translational, or clinical research or quality improvement projects; or, <sup>(Detail)</sup></p> <p>IV.D.3.c).(5) lectures or presentations (such as grand rounds or case presentations) of at least 30 minutes in duration within the Sponsoring Institution or program. <sup>(Detail)</sup></p>
Thoracic Surgery - Independent	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Fellows must not have a protected research rotation during the program. <sup>(Core)</sup></p> <p>IV.D.3.b) Each fellow must demonstrate annual scholarship that results in one or more of the following: <sup>(Core)</sup></p> <p>IV.D.3.b).(1) peer-reviewed/indexed publications with PubMed-Indexed for Medline (PMID); or, <sup>(Detail)</sup></p>

Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>IV.D.3.b).(2) conference presentations, including abstracts and posters, at international, national, regional meetings; or, <sup>(Detail)</sup></p> <p>IV.D.3.b).(3) textbook chapters; or, <sup>(Detail)</sup></p> <p>IV.D.3.b).(4) participation in basic, translational, or clinical research or quality improvement projects; or, <sup>(Detail)</sup></p> <p>IV.D.3.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. <sup>(Detail)</sup></p>
Congenital Cardiac Surgery	N/A
<b>Transitional Year</b>	<p><b>IV.D.3. Resident Scholarly Activity</b></p> <p><b>IV.D.3.a) Residents must participate in scholarship.</b> <sup>(Core)</sup></p> <p>IV.D.3.a).(1) Participation must 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. <sup>(Core)</sup></p>
<b>Urology</b>	<p><b>IV.D.3. Resident Scholarly Activity</b></p> <p><b>IV.D.3.a) Residents must participate in scholarship.</b> <sup>(Core)</sup></p> <p>IV.D.3.b) The program must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. <sup>(Core)</sup></p>
Pediatric Urology	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Each fellow must design and conduct a scholarly project, under the guidance of a designated faculty mentor, that results in at least one manuscript of publishable quality. <sup>(Core)</sup></p> <p>IV.D.3.a).(1)The scholarly project must be:</p> <p>IV.D.3.a).(1).(a) related to the field of pediatric urology; and, <sup>(Core)</sup></p> <p>IV.D.3.a).(1).(b) hypothesis-driven basic, translational, clinical, or quality improvement research. <sup>(Core)</sup></p> <p>IV.D.3.a).(2) The fellow must be the lead on the scholarly project. <sup>(Core)</sup></p>

Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	<p>IV.D.3.b) The fellow and the faculty mentor must develop a written Individualized Scholarly Activity Plan (ISAP) for the scholarly project. <sup>(Core)</sup></p> <p>IV.D.3.b).(1) At a minimum, the ISAP must be completed two months before the fellow initiates the scholarly project. <sup>(Core)</sup></p> <p>IV.D.3.b).(2) The ISAP must be approved by the program director, faculty mentor, and the Clinical Competency Committee as described in V.A.3.-V.A.3.b).(3). <sup>(Core)</sup></p> <p>IV.D.3.b).(3) The faculty mentor must review the fellow’s progress on the ISAP at least quarterly and provide written feedback to the fellow. <sup>(Core)</sup></p> <p>IV.D.3.b).(3).(a) The program director and members of the Clinical Competency Committee must receive a copy of the faculty mentor’s feedback. <sup>(Core)</sup></p> <p>IV.D.3.b).(4) The Clinical Competency Committee must monitor the fellow’s progress on the ISAP at least twice per year. <sup>(Core)</sup></p> <p>IV.D.3.b).(5) Prior to completion of the fellowship, each fellow must:</p> <p>IV.D.3.b).(5).(a) give an oral presentation of the scholarly project to the program director, faculty mentor, members of the Clinical Competency Committee, other faculty members, and other learners; and, <sup>(Core)</sup></p> <p>IV.D.3.b).(5).(b) submit the manuscript to a peer-reviewed journal. <sup>(Core)</sup></p>
<b>Multidisciplinary Specialties/Subspecialties</b>	
Addiction Medicine (subspecialty of Anesthesiology, Emergency Medicine,	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) The program must provide structured, supervised, regular opportunities for fellows to explore and analyze emerging scientific evidence pertinent to the practice of addiction medicine. <sup>(Core)</sup></p> <p>IV.D.3.b) Fellows must have didactic and experiential learning opportunities in the scholarship of</p>

Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
Family Medicine, Internal Medicine, Obstetrics and Gynecology, Pediatrics, Preventive Medicine, or Psychiatry)	teaching and leadership, and have the opportunity to teach addiction medicine to health care students, trainees, and/or other learners. <sup>(Core)</sup> IV.D.3.c) Fellows should actively participate in scientific inquiry, either through direct participation in research, or scholarly projects that make use of scientific methods. <sup>(Detail)</sup>
Brain Injury Medicine (subspecialty of Child Neurology, Neurology, Physical Medicine and Rehabilitation, or Psychiatry)	<b>IV.D.3. Fellow Scholarly Activity</b> IV.D.3.a) 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. <sup>(Core)</sup> IV.D.3.b) Fellows should have protected time to conduct research or other scholarly activities. <sup>(Detail)</sup> IV.D.3.c) Each fellow should demonstrate scholarship through at least one scientific presentation, abstract, or publication. <sup>(Outcome)</sup> Specialty-Specific Background and Intent: It is suggested that each fellow devote at least 10 percent of the total time spent in the fellowship conducting research or participating in other scholarly activities.
Clinical Informatics (subspecialty of Anesthesiology, Radiology, Emergency Medicine, Family Medicine, Internal Medicine, Medical Genetics, Pathology, Pediatrics, or Preventive Medicine)	<b>IV.D.3. Fellow Scholarly Activity</b> IV.D.3.a) Scholarly activity should include at least one of the following: IV.D.3.a).(1) peer-reviewed funding and research; <sup>(Detail)</sup> IV.D.3.a).(2) publication of original research or review articles; or, <sup>(Detail)</sup> IV.D.3.a).(3) presentations at local, regional, or national professional and scientific society meetings. <sup>(Detail)</sup>
Dermatopathology (subspecialty of Dermatology or Pathology)	<b>IV.D.3. Fellow Scholarly Activity</b> IV.D.3.a) 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. <sup>(Outcome)</sup>

Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
<p>Urogynecology and Reconstructive Pelvic Surgery (subspecialty of Obstetrics and Gynecology or Urology)</p>	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Educational program for obstetrics and gynecology graduates:</p> <p>IV.D.3.a).(1) The appointed faculty research mentor must review, with the fellow, the research curriculum and scholarly paper (thesis) resources, timeline, and expectations. <sup>(Core)</sup></p> <p>IV.D.3.a).(2) The research curriculum must include:</p> <p>IV.D.3.a).(2) (a) structured delivery of education in research design, research methodology, data analysis, and grant writing <sup>(Core)</sup></p> <p>IV.D.3.a).(2) (b) opportunities for basic, translational, and/or clinical research; and, <sup>(Core)</sup></p> <p>IV.D.3.a).(2) (c) the opportunity for the fellows to present their academic contributions to the urogynecology and reconstructive pelvic surgery community. <sup>(Core)</sup></p> <p>IV.D.3.a).(3) Prior to completion of the fellowship, each fellow must complete and defend a scholarly paper (thesis) that meets the certification standards set by the American Board of Obstetrics and Gynecology or American Osteopathic Board of Obstetrics and Gynecology. <sup>(Core)</sup></p> <p>IV.D.3.b) The educational program for urology graduates must include a scholarly manuscript or quality improvement project paper under the direction of a faculty mentor. <sup>(Core)</sup></p> <p>IV.D.3.b).(1) The scholarly manuscript or quality improvement project paper must demonstrate the following: <sup>(Core)</sup></p> <p>IV.D.3.b).(1).(a) utilization of appropriate research design, methodology, and analysis; <sup>(Core)</sup></p> <p>IV.D.3.b).(1).(b) collection and analysis of information obtained from a structured basic laboratory, translational, and/or clinical research setting; and, <sup>(Core)</sup></p> <p>IV.D.3.b).(1).(c) synthesis of the scientific literature, hypothesis testing, and description of findings and results. <sup>(Core)</sup></p> <p>IV.D.3.b).(2) Prior to completion of the fellowship, each fellow must give an oral presentation of the scholarly project to the program director, faculty mentor, other faculty members, and other learners. <sup>(Core)</sup></p>

Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
Geriatric Medicine (subspecialty of Family Medicine or Internal Medicine)	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) The program must provide an opportunity for each fellow to participate in research or other scholarly activities. <small>(Detail)</small></p>
Hand Surgery (subspecialty of Orthopaedic Surgery, Plastic Surgery, or Surgery)	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Each fellow should demonstrate scholarship during the program through one or more of the following: peer-reviewed publications; abstracts, posters, or presentations at international, national, or regional meetings; publication of book chapters; or lectures or formal presentations (such as grand rounds or case presentations). <small>(Outcome)</small></p>
Hospice and Palliative Medicine (subspecialty of Anesthesiology, Family Medicine, Internal Medicine, Pediatrics, Psychiatry, or Radiation Oncology)	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) <small>(Core)</small> Fellows must complete a scholarly or quality improvement project during the program.</p>
Internal Medicine-Pediatrics (Combined program for Internal Medicine and Pediatrics)	<p><b>IV.D.3. Resident Scholarly Activity</b></p> <p><b>IV.D.3.a) Residents must participate in scholarship.</b> <small>(Core)</small></p>
Medical Toxicology (subspecialty of Emergency Medicine or Preventive Medicine)	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) 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. <small>(Core)</small></p> <p>IV.D.3.b) Fellows must participate in research or scholarly activity that includes at least one of the following:</p>



Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
	IV.D.3.b).(1) peer-reviewed funding and research; <sup>(Outcome)</sup> IV.D.3.b).(2) publication of original research or review articles; or, <sup>(Outcome)</sup> IV.D.3.b).(3) presentations at local, regional, or national professional and scientific society meetings. <sup>(Outcome)</sup> IV.D.3.c) Fellows must complete a scholarly project prior to graduation. <sup>(Outcome)</sup>
Molecular Genetic Pathology (subspecialty of Medical Genetics and Genomics or Pathology)	<b>IV.D.3. Fellow Scholarly Activity</b> IV.D.3.a) <sup>(Core)</sup> Each fellow must participate in scholarly activity, including at least one of the following: IV.D.3.a).(1) <sup>(Core)</sup> evidence-based presentations at journal club or meeting (local, regional, or national); IV.D.3.a).(2) preparation and submission of articles for peer-reviewed publications; or, <sup>(Core)</sup> IV.D.3.a).(3) research. <sup>(Core)</sup>
Neurocritical Care (Subspecialty of Neurology and Neurological Surgery)	<b>IV.D.3. Fellow Scholarly Activity</b> IV.D.3.a) <sup>(Core)</sup> Fellows must participate in scholarly activity. IV.D.3.b) <sup>(Core)</sup> Fellows must participate in at least one clinical or other research project related to neurocritical care.
Neuroendovascular Intervention (subspecialty of Child Neurology, Neurological Surgery, Neurology, or Radiology)	<b>IV.D.3. Fellow Scholarly Activity</b> IV.D.3.a) <sup>(Core)</sup> 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. IV.D.3.b) <sup>(Detail)</sup> Fellows should participate in scholarly activity. IV.D.3.c) <sup>(Detail)</sup> Fellows should participate in research activities with residents and staff members in other related specialties.
Neuromuscular Medicine	<b>IV.D.3. Fellow Scholarly Activity</b> IV.D.3.a) <sup>(Core)</sup> The curriculum must advance fellows’ knowledge of the basic principles of evidence-

Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
(subspecialty of Child Neurology, Neurology, or Physical Medicine and Rehabilitation)	<p>based medicine and research, including how research is conducted, evaluated, explained to patients, and applied to patient care. <sup>(Core)</sup></p> <p>IV.D.3.b) Fellows should participate in scholarly activity under the mentorship of program faculty members. <sup>(Core)</sup></p> <p>IV.D.3.c) The Sponsoring Institution and program must allocate adequate educational resources to facilitate fellow involvement in scholarly activities. <sup>(Core)</sup></p> <p>IV.D.3.d) Fellows should receive support to attend one regional, national, or international professional conference during the program. <sup>(Detail)</sup></p>
Pain Medicine (subspecialty of Anesthesiology, Child Neurology, Neurology, or Physical Medicine and Rehabilitation)	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) All fellows must complete a scholarly project. <sup>(Core)</sup></p> <p>IV.D.3.a).(1) The results of such projects must be disseminated through a variety of means, including publication or presentation at local, regional, national, or international meetings. <sup>(Core)</sup></p>
Pediatric Emergency Medicine (subspecialty of Pediatrics and Emergency Medicine)	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Each fellow must design and conduct a scholarly project under the guidance of the program director and a designated mentor. <sup>(Core)</sup></p> <p>IV.D.3.b) The program must provide a scholarship oversight committee for each fellow to oversee and evaluate his or her progress as related to scholarly activity. <sup>(Core)</sup></p> <p>IV.D.3.c) The scholarly experience must begin in the first year and continue for the entire length of the educational program. <sup>(Core)</sup></p> <p>IV.D.3.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. <sup>(Core)</sup></p> <p>IV.D.3.c).(2) For fellows who have completed a residency in pediatrics, the equivalent of at least 12 months of the fellowship must be dedicated to research and scholarly activity, including the development of requisite skills, project completion, and presentation of results to the scholarship oversight committee. <sup>(Core)</sup></p>
Sleep Medicine	<p><b>IV.D.3. Fellow Scholarly Activity</b></p>

Specialty/Subspecialty Name	Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”
(subspecialty of Child Neurology, Internal Medicine, Neurology, Pediatrics, or Psychiatry)	IV.D.3.a) While in the program-all fellows must engage in at least one of the following scholarly activities: participation in grand rounds, posters, workshops, quality improvement presentations, podium presentations, grant leadership, non-peer-reviewed print/electronic resources, articles or publications, book chapters, textbooks, webinars, service on professional committees, or serving as a journal reviewer, journal editorial board member, or editor. (Outcome)
Sports Medicine (subspecialty of Emergency Medicine, Family Medicine, Pediatrics, or Physical Medicine and Rehabilitation)	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Each fellow must complete a scholarly or quality improvement project during the program. (Outcome)</p> <p>IV.D.3.a).(1) Evidence of scholarly activity must include at least one of the following: (Core)</p> <p>IV.D.3.a).(1).(a) peer-reviewed funding and research; (Core)</p> <p>IV.D.3.a).(1).(b) publication of original research or review article(s) and book chapters; or, (Core)</p> <p>IV.D.3.a).(1).(c) presentation(s) or poster(s) at local, regional, or national professional and scientific society meetings. (Core)</p>
Undersea and Hyperbaric Medicine (subspecialty of Emergency Medicine or Preventive Medicine)	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) 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.D.3.b) Fellows must participate in scholarly activity that includes at least one of the following:</p> <p>IV.D.3.b).(1) peer-reviewed funding and research; (Outcome)</p> <p>IV.D.3.b).(2) publication of original research or review articles; or, (Outcome)</p> <p>IV.D.3.b).(3) presentations at local, regional, or national professional and scientific society meetings. (Outcome)</p>

Sponsoring Institution-Based Fellowships	
Fellowship Name	Specialty Specific Requirements Referencing “Resident and Fellow Scholarly Activity”

<p><b>Health Care Administration, Leadership, and Management</b></p>	<p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Fellows must complete at least one capstone project that includes the fellow's: <sup>(Core)</sup></p> <p>IV.D.3.a).(1) leadership role in managing an organization-wide, interprofessional project; and, <sup>(Core)</sup></p> <p>IV.D.3.a).(2) identification and implementation of solutions for an identified area for improvement in the health system. <sup>(Core)</sup></p> <p>IV.D.3.b) The capstone project must be sponsored by a member of the executive team and approved by the program director. <sup>(Core)</sup></p>
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