

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

Effective as of July 1, 2021

Common Program Requirements are in bold

| Specialty/Subspecialty Name         | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”  |
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| <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<br/>Critical Care<br/>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<br/>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<br/>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>Regional<br/>Anesthesiology and<br/>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>             |

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|                                 | <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> |
| <b>Colon and Rectal 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 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> <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. <sup>(Core)</sup></b></p> <p>IV.D.3.a).(1) Basic science and clinical investigation must be included in the educational experience</p>   |

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|  | <p>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>  |
| Diagnostic Radiology                           | <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>(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> |

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| 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> <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>  |
| 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. <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> <p>IV.D.3.c) Laboratory facilities to support research projects should be available. <sup>(Detail)</sup></p> |

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| 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. <sup>(Core)</sup></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. <sup>(Detail)</sup></p> <p>IV.D.3.b) Fellows should participate in clinical, basic biomedical, or health services research projects. <sup>(Core)</sup></p> <p>IV.D.3.b).(1) Fellows should undertake at least one project as principal investigator. <sup>(Detail)</sup></p> <p>IV.D.3.c) Fellows should submit at least one scientific paper or exhibit for presentation at a regional or national meeting. <sup>(Core)</sup></p>  |
| 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>  |

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|                             | <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>  |
| Emergency Medicine          | <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 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. <sup>(Core)</sup></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, <sup>(Outcome)</sup></p> <p>IV.D.3.c).(2) presentation of grand rounds, posters, workshops, quality improvement presentations, podium presentations, webinars; or, <sup>(Core)</sup></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, <sup>(Outcome)</sup></p> <p>IV.D.3.c).(4) peer-reviewed publications. <sup>(Outcome)</sup></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. <sup>(Core)</sup></p>   |

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|                              | <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; <sup>(Outcome)</sup></p> <p>IV.D.3.b).(2) publication of original research or review articles; or, <sup>(Outcome)</sup></p> <p>IV.D.3.b).(3) presentations at local, regional, or national professional and scientific society meetings. <sup>(Outcome)</sup></p>  |
| Pediatric 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> |
| Family Medicine              | <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 should complete two scholarly activities, at least one of which should be a quality improvement project. <sup>(Outcome)</sup></p>  |
| Internal Medicine            | <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) 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,</p>  |



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|  | book chapters, textbooks, webinars, service on professional committees, or serving as a journal reviewer, journal editorial board member, or editor. (Outcome)   |
| Adult Congenital Heart Disease               | <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 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> |
| 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 50 percent of a program’s fellows must engage 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> |
| Cardiovascular Disease                       | <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 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> |
| 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 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> |

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| Critical Care Medicine                 | <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 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.<br/>(Outcome)</p>         |
| Endocrinology, Diabetes and Metabolism | <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 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.<br/>(Outcome)</p>         |
| Gastroenterology                       | <p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) While in the program, at least 50 percent of the program’s fellows must have 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.<br/>(Outcome)</p> |
| Hematology                             | <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 have 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.<br/>(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, at least 50 percent of a program’s fellows must have 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.<br/>(Outcome)</p> |
| Infectious Disease              | <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 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.<br/>(Outcome)</p>       |
| Interventional Cardiology       | <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 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.<br/>(Outcome)</p>       |
| Medical Oncology                | <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 have 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.<br/>(Outcome)</p> |
| Nephrology                      | <p><b>IV.D.3. Fellow Scholarly Activity</b></p>  |

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|                             | <p>IV.D.3.a) While in the program, at least 50 percent of a program’s fellows must engage 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.<br/>(Outcome)</p>   |
| Pulmonary Critical Care     | <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 have 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.<br/>(Outcome)</p> |
| Pulmonary Disease           | <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 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.<br/>(Outcome)</p>       |
| Rheumatology                | <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 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.<br/>(Outcome)</p>       |
| Transplant Hepatology       | <p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) While in the program, at least 50 percent of the program’s fellows must have 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</p>  |

| Specialty/Subspecialty Name          | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”  |
|--------------------------------------|---|
|                                      | 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.<br>(Outcome)   |
| <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> (Core)</p> <p>IV.D.3.b) Residents must have training in critical thinking skills and research design. (Core)</p> <p>IV.D.3.c) All residents must engage in a scholarly project under faculty member supervision. (Core)</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. (Core)</p> <p>IV.D.3.c).(2) The program should specify how each project will be evaluated. (Detail)</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. (Core)</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> (Core)</p> <p>IV.D.3.a).(1) Each resident must demonstrate scholarship through submission of at least one scientific presentation, abstract, or publication. (Core)</p>  |
| Clinical Biochemical Genetics        | IV.D.3.a).(1) Each post-doctoral fellow must demonstrate scholarship through at least one scientific 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>          | <b>IV.D.3. Resident Scholarly Activity</b>  |

| Specialty/Subspecialty Name | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”  |
|-----------------------------|---|
|                             | <p><b>IV.D.3.a) Residents must participate in scholarship.</b> <sup>(Core)</sup></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. <sup>(Core)</sup></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. <sup>(Core)</sup></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.</b> <sup>(Core)</sup></p>  |
| Child Neurology             | <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>  |
| 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. <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 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> |
| 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>  |

| Specialty/Subspecialty Name     | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”  |
|---------------------------------|---|
|                                 | IV.D.3.d) Fellows should receive support to attend one regional, national, or international professional conference during the program. <sup>(Detail)</sup>   |
| 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 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>   |

| Specialty/Subspecialty Name      | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”   |
|----------------------------------|--|
|                                  | <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>   |
| Gynecologic Oncology             | <p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) The appointed faculty research mentor must review the research curriculum and thesis resources, timeline, and expectations with the program director and the fellow. <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, grant writing, research methodology, scientific writing, and presentation skills; <sup>(Core)</sup></p> <p>IV.D.3.b).(2) enhancement of fellows’ understanding of the latest scientific techniques and encouragement of interaction with other scientists; <sup>(Core)</sup></p> <p>IV.D.3.b).(3) the opportunity to present their academic contributions to the gynecologic oncology community; <sup>(Core)</sup></p> <p>IV.D.3.b).(4) preparation to pursue research funding and academic positions; and, <sup>(Core)</sup></p> <p>IV.D.3.b).(5) preparation to be an independent investigator. <sup>(Core)</sup></p> <p>IV.D.3.c) Scholarly Paper (Thesis)</p> <p>The program must ensure that each fellow completes a thesis and defends it during his/her fellowship. <sup>(Core)</sup></p> <p>IV.D.3.c).(1) Under the direction of a faculty mentor, each fellow must complete a comprehensive written scholarly paper (thesis) during the program that demonstrates: <sup>(Core)</sup></p> <p>IV.D.3.c).(1).(a) utilization of advanced research methodology and techniques, including research design and quantitative analysis; <sup>(Core)</sup></p> <p>IV.D.3.c).(1).(b) collection and analysis of information obtained from a structured basic, translational and/or clinical research setting; and, <sup>(Core)</sup></p> <p>IV.D.3.c).(1).(c) synthesis of the scientific literature, hypothesis testing, and description of</p> |



| Specialty/Subspecialty Name | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”   |
|-----------------------------|--|
|                             | <p>findings and results. <sup>(Core)</sup></p> <p>IV.D.3.d) Prior to completion of the fellowship, each fellow must have:</p> <p>IV.D.3.d).(1) a 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.d).(2) completed work on the thesis and submitted a written manuscript to the program director; <sup>(Core)</sup></p> <p>IV.D.3.d).(3) defended the thesis to the program director and research mentor, and other members of the division at the discretion of the program director; and, <sup>(Core)</sup></p> <p>IV.D.3.d).(4) a formal written assessment of the thesis defense. <sup>(Outcome)</sup></p> <p>IV.D.3.e) A copy of the manuscript and thesis defense documentation must be available upon request. <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 fellows the research curriculum and 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 grant writing, research design, research methodology, and data analysis; <sup>(Core)</sup></p> <p>IV.D.3.b).(2) opportunities for structured basic, translational, and/or clinical research; <sup>(Core)</sup></p> <p>IV.D.3.b).(3) enhancement of the fellow’s understanding of the latest scientific techniques and encouragement of interaction with other scientists; <sup>(Core)</sup></p> <p>IV.D.3.b).(4) the opportunity for the fellows to present their academic contributions to the maternal-fetal medicine community; and, <sup>(Core)</sup></p> <p>IV.D.3.b).(5) preparation of the fellow to obtain research funding and academic positions. <sup>(Core)</sup></p> <p>IV.D.3.c) Scholarly Paper (Thesis)</p> <p>The program must ensure that each fellow completes a thesis and defends it during the fellowship program. <sup>(Core)</sup></p> <p>IV.D.3.c).(1) Under the direction of a faculty mentor, each fellow must complete a comprehensive</p> |

| Specialty/Subspecialty Name                | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”   |
|--|--|
|  | <p>written scholarly paper (thesis) during the program that demonstrates the following: <sup>(Core)</sup></p> <p>IV.D.3.c).(1).(a) utilization of appropriate research design, methodology, and analysis; <sup>(Core)</sup></p> <p>IV.D.3.c).(1).(b) collection and statistical analysis of information obtained from a structured basic, translational, and/or clinical research setting; and, <sup>(Core)</sup></p> <p>IV.D.3.c).(1).(c) synthesis of the scientific literature, hypothesis testing, and description of findings and results. <sup>(Core)</sup></p> <p>IV.D.3.d) Prior to completion of the fellowship, each fellow must have:</p> <p>IV.D.3.d).(1) a 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.d).(2) completed and submitted a written manuscript to the program director; and, <sup>(Core)</sup></p> <p>IV.D.3.d).(3) defended the thesis to the program director and research mentor, and other members of the division at the discretion of the program director; and, <sup>(Core)</sup></p> <p>IV.D.3.d).(4) a formal written assessment of the thesis defense. <sup>(Outcome)</sup></p> <p>IV.D.3.e) A copy of the manuscript and the thesis defense documentation must be available upon request. <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 fellows the research curriculum and 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) opportunities for structured basic, translational, and/or clinical research; <sup>(Core)</sup></p> <p>IV.D.3.b).(2) enhancement of the fellows’ understanding of the latest scientific techniques and encouragement of interaction with other scientists; <sup>(Core)</sup></p> <p>IV.D.3.b).(3) the opportunity for the fellows to present their academic contributions to the national reproductive endocrinology and infertility community; <sup>(Core)</sup></p> <p>IV.D.3.b).(4) preparation of the fellows to obtain research funding and academic positions; and, <sup>(Core)</sup></p> <p>IV.D.3.b).(5) preparation of the fellows to be independent investigators. <sup>(Core)</sup></p>  |

| Specialty/Subspecialty Name                   | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”   |
|---|--|
|   | <p>IV.D.3.c) Scholarly Paper (Thesis)</p> <p>IV.D.3.d) The program must ensure that each fellow completes a thesis and defends it during his/her fellowship program. <sup>(Core)</sup></p> <p>IV.D.3.d).(1) Under the direction of a faculty mentor, the fellow must complete a comprehensive written scholarly paper (thesis) during the program that demonstrates the following: <sup>(Core)</sup></p> <p>IV.D.3.d).(1).(a) utilization of appropriate research design, methodology, and analysis; <sup>(Core)</sup></p> <p>IV.D.3.d).(1).(b) collection and statistical analysis of information obtained from a structured basic, translational, and/or clinical research setting; and, <sup>(Core)</sup></p> <p>IV.D.3.d).(1).(c) synthesis of the scientific literature, hypothesis testing, and description of findings and results. <sup>(Core)</sup></p> <p>IV.D.3.d).(2) The faculty research mentor must be available to support and guide each fellow in the development and execution of the thesis. <sup>(Core)</sup></p> <p>IV.D.3.d).(3) Prior to completion of the fellowship, each fellow must have:</p> <p>IV.D.3.d).(3).(a) a 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.d).(3).(b) completed work on the thesis and submitted a written manuscript to the program director; <sup>(Core)</sup></p> <p>IV.D.3.d).(3).(c) defended the thesis to the program director, research mentor, and other members of the division at the discretion of the program director; and, <sup>(Core)</sup></p> <p>IV.D.3.d).(3).(d) a formal written assessment of the thesis defense. <sup>(Outcome)</sup></p> <p>IV.D.3.d).(4) A copy of the manuscript and the thesis defense documentation must be available upon request. <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.</b> <sup>(Core)</sup></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</p>   |

| Specialty/Subspecialty Name              | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”   |
|--|--|
|  | <p>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.</b> <sup>(Core)</sup></p> <p>IV.D.3.a).(1) Each resident must demonstrate scholarship through at least one of the following activities:</p> <p>IV.D.3.a).(1).(a) participation in sponsored research; <sup>(Outcome)</sup></p> <p>IV.D.3.a).(1).(b) preparation of an article for a peer-reviewed publication; <sup>(Outcome)</sup></p> <p>IV.D.3.a).(1).(c) presentation of research at a regional or national meeting; or, <sup>(Outcome)</sup></p> <p>IV.D.3.a).(1).(d) participation in a structured literature review of an important topic. <sup>(Outcome)</sup></p> <p>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. <sup>(Core)</sup></p> |
| Adult Reconstructive 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 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>  |
| Foot and Ankle 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>  |

| Specialty/Subspecialty Name   | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”  |
|-------------------------------|---|
|                               | 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). <i>(Outcome)</i>   |
| Musculoskeletal Oncology      | <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. <i>(Core)</i></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). <i>(Outcome)</i></p>      |
| Orthopaedic Sports Medicine   | <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. <i>(Core)</i></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. <i>(Outcome)</i></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. <i>(Core)</i></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). <i>(Outcome)</i></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. <i>(Core)</i></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). <i>(Outcome)</i></p> |

| Specialty/Subspecialty Name               | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”   |
|---|--|
| 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>   |
| Osteopathic Neuromusculoskeletal Medicine | <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 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> |
| Otolaryngology – Head and Neck Surgery    | <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 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</p>   |

| Specialty/Subspecialty Name        | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”   |
|------------------------------------|--|
|                                    | study, production of review articles or chapters, or creation of online educational activities, must be documented. <sup>(Outcome)</sup>   |
| <b>Pathology</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 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 Medicine | <p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) <sup>(Core)</sup> Each fellow must participate in scholarly activity, including at least one of the following:</p> <p>IV.D.3.a).(1) <sup>(Core)</sup> 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, <sup>(Core)</sup></p> <p>IV.D.3.a).(3) research. <sup>(Core)</sup></p>  |
| Chemical Pathology                 | <p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) <sup>(Core)</sup> Each fellow must participate in scholarly activity, including at least one of the following:</p> <p>IV.D.3.a).(1) <sup>(Core)</sup> 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, <sup>(Core)</sup></p> <p>IV.D.3.a).(3) research. <sup>(Core)</sup></p> <p>IV.D.3.b) Each fellow must participate in research and development or evaluation of new testing methods in clinical chemistry. <sup>(Core)</sup></p> |
| Cytopathology                      | <b>IV.D.3. Fellow Scholarly Activity</b>   |

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



| Specialty/Subspecialty Name | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”   |
|-----------------------------|--|
|                             | IV.D.3.a).(3) research. (Core)<br>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)   |
| Neuropathology              | <b>IV.D.3. Fellow Scholarly Activity</b><br>IV.D.3.a) (Core) Each fellow must participate in scholarly activity, including at least one of the following:<br>IV.D.3.a).(1) (Core) evidence-based presentations at journal club or meetings (local, regional, or national);<br>IV.D.3.a).(2) preparation and submission of articles for peer-reviewed publications; or, (Core)<br>IV.D.3.a).(3) research. (Core)                                    |
| Pediatric Pathology         | <b>IV.D.3. Fellow Scholarly Activity</b><br>IV.D.3.a) (Core) Each fellow must participate in scholarly activity, including at least one of the following:<br>IV.D.3.a).(1) (Core) evidence-based presentations at journal club or meetings (local, regional or national);<br>IV.D.3.a).(2) preparation and submission of articles for peer-reviewed publications; or, (Core)<br>IV.D.3.a).(3) research. (Core)                                     |
| Selective Pathology         | <b>IV.D.3. Fellow Scholarly Activity</b><br>IV.D.3.a) (Core) Each fellow must participate in scholarly activity, including at least one of the following:<br>IV.D.3.a).(1) (Core) evidence-based presentations at journal club or meetings (local, regional, or national);<br>IV.D.3.a).(2) preparation and submission of articles for peer-reviewed publications; or, (Core)<br>IV.D.3.a).(3) clinical or basic science research projects. (Core) |
| <b>Pediatrics</b>           | <b>IV.D.3. Resident Scholarly Activity</b><br><b>IV.D.3.a) Residents must participate in scholarship. (Core)</b>   |

| Specialty/Subspecialty Name | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”  |
|-----------------------------|---|
| 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. <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> |
| 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> |

| Specialty/Subspecialty Name                | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”  |
|--|---|
| <p>Developmental-Behavioral Pediatrics</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. <small>(Detail)</small></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. <small>(Core)</small></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. <small>(Core)</small></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. <small>(Detail)</small></p> <p>IV.D.3.d) The scholarly experience must begin in the first year and continue throughout the duration of the educational program. <small>(Core)</small></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. <small>(Core)</small></p> |
| <p>Pediatric Cardiology</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. <small>(Detail)</small></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. <small>(Core)</small></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. <small>(Core)</small></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. <small>(Detail)</small></p> <p>IV.D.3.d) The scholarly experience must begin in the first year and continue throughout the duration of the educational program. <small>(Core)</small></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. <small>(Core)</small></p> |

| Specialty/Subspecialty Name | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”   |
|-----------------------------|--|
| 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 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> |

| Specialty/Subspecialty Name  | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”   |
|------------------------------|--|
| Pediatric 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>   |
| Pediatric Gastroenterology   | <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> |
| Pediatric Hematology         | <p><b>IV.D.3. Fellow Scholarly Activity</b></p>  |

| Specialty/Subspecialty Name   | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”   |
|-------------------------------|--|
| Oncology                      | <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 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 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 Neonatal-           | <b>IV.D.3. Fellow Scholarly Activity</b>   |

| Specialty/Subspecialty Name | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”  |
|-----------------------------|---|
| Perinatal                   | <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 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                   | <b>IV.D.3. Fellow Scholarly Activity</b>  |

| Specialty/Subspecialty Name | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”  |
|-----------------------------|---|
| Pulmonology                 | <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 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        | <b>IV.D.3. Fellow Scholarly Activity</b>  |



| Specialty/Subspecialty Name                 | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”   |
|---|--|
| Hepatology                                  | IV.D.3.a) Fellows must have the opportunity to participate in scholarly activity, including having protected time for research. <small>(Core)</small>  |
| <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> <small>(Core)</small></p> <p>IV.D.3.a).(1) The curriculum must advance residents’ knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care. <small>(Core)</small></p> <p>IV.D.3.a).(2) Residents should have assigned time to conduct research or other scholarly activities. <small>(Detail)</small></p> <p>IV.D.3.a).(3) Each resident should demonstrate scholarship through at least one scientific presentation, abstract, or publication. <small>(Outcome)</small></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. <small>(Core)</small></p> <p>IV.D.3.b) Fellows should participate in structured, supervised research education. <small>(Detail)</small></p> <p>IV.D.3.c) Each fellow should demonstrate scholarship through at least one scientific presentation, abstract, or publication. <small>(Outcome)</small></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. <small>(Core)</small></p> <p>IV.C.3.b) Fellows should have assigned time to conduct research or other scholarly activities. <small>(Detail)</small></p> <p>IV.D.3.c) Each fellow should demonstrate scholarship through at least one scientific presentation, abstract, or publication. <small>(Outcome)</small></p>  |
| <b>Plastic Surgery</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.a).(1) Residents must demonstrate annual scholarship and/or academic productivity to include two or more of the following: <small>(Core)</small></p>  |

| Specialty/Subspecialty Name | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”  |
|-----------------------------|---|
|                             | <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> <p>IV.D.3.a).(1).(d) funded or non-funded basic science or clinical outcomes research projects; <sup>(Core)</sup></p> <p>IV.D.3.a).(1).(e) quality improvement projects; or, <sup>(Core)</sup></p> <p>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></p> <p>IV.D.3.b) Residents must participate and present educational material at conferences. <sup>(Core)</sup></p> |
| Craniofacial Surgery        | N/A   |
| <b>Preventive Medicine</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>  |
| <b>Psychiatry</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 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></p> <p>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></p> <p>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></p>           |
| Addiction 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>  |
| Child and Adolescent        | <p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) All fellows must be educated in research literacy and in the concepts and process of</p>   |

| Specialty/Subspecialty Name     | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”  |
|---------------------------------|---|
| Psychiatry                      | <p>evidenced-based clinical practice to develop skills in question formulation, information searching, 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> |
| 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>  |
| 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>  |
| Radiation Oncology              | <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>  |

| Specialty/Subspecialty Name       | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”   |
|-----------------------------------|--|
| Surgery                           | <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 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> |

| Specialty/Subspecialty Name          | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”   |
|--------------------------------------|--|
| Vascular Surgery - Integrated        | <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 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>  |

| Specialty/Subspecialty Name | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”  |
|-----------------------------|---|
|                             | IV.D.3.b).(1) peer-reviewed/indexed publications with PubMed-Indexed for Medline (PMID); or, <sup>(Detail)</sup><br>IV.D.3.b).(2) conference presentations, including abstracts and posters, at international, national, regional meetings; or, <sup>(Detail)</sup><br>IV.D.3.b).(3) textbook chapters; or, <sup>(Detail)</sup><br>IV.D.3.b).(4) participation in basic, translational, or clinical research or quality improvement projects; or, <sup>(Detail)</sup><br>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>  |
| Congenital Cardiac Surgery  | N/A   |
| <b>Urology</b>              | <b>IV.D.3. Resident Scholarly Activity</b><br><b>IV.D.3.a) Residents must participate in scholarship.</b> <sup>(Core)</sup><br>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>   |
| Pediatric Urology           | <b>IV.D.3. Fellow Scholarly Activity</b><br>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><br>IV.D.3.a).(1)The scholarly project must be:<br>IV.D.3.a).(1).(a) related to the field of pediatric urology; and, <sup>(Core)</sup><br>IV.D.3.a).(1).(b) hypothesis-driven basic, translational, clinical, or quality improvement research. <sup>(Core)</sup><br>IV.D.3.a).(2) The fellow must be the lead on the scholarly project. <sup>(Core)</sup><br>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> |

| Specialty/Subspecialty Name | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”  |
|-----------------------------|---|
|                             | <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> |
| Transitional Year           | <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>   |

| Specialty/Subspecialty Name  | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”   |
|--|--|
| <b>Multidisciplinary Specialties/Subspecialties</b>  |  |
| Addiction Medicine<br>(subspecialty of Anesthesiology, Emergency Medicine, Family Medicine, Internal Medicine, Obstetrics and Gynecology, Pediatrics, Preventive Medicine, or Psychiatry)    | <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 teaching and leadership, and have the opportunity to teach addiction medicine to health care students, trainees, and/or other learners. <sup>(Core)</sup></p> <p>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></p> |
| Brain Injury Medicine<br>(subspecialty of Child Neurology, Neurology, Physical Medicine and Rehabilitation, or Psychiatry)   | <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 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> <p>Specialty-Specific Background and Intent: It is suggested that each fellow devote a minimum of one half-day per week to conducting research or to other scholarly activities.</p>         |
| Clinical Informatics<br>(subspecialty of Anesthesiology, Radiology, Emergency Medicine, Family Medicine, Internal Medicine, Medical Genetics, Pathology, Pediatrics, or Preventive Medicine) | <p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Scholarly activity should include at least one of the following:</p> <p>IV.D.3.a).(1) peer-reviewed funding and research; <sup>(Detail)</sup></p> <p>IV.D.3.a).(2) publication of original research or review articles; or, <sup>(Detail)</sup></p> <p>IV.D.3.a).(3) presentations at local, regional, or national professional and scientific society meetings. <sup>(Detail)</sup></p>  |



| Specialty/Subspecialty Name  | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”   |
|--|--|
| Dermatopathology<br>(subspecialty of Dermatology or Pathology)   | <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 dermatopathology. <sup>(Outcome)</sup></p>  |
| Endovascular Surgical Neuroradiology<br>(subspecialty of Child Neurology, Neurological Surgery, Neurology, or Radiology) | <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 scholarly activity. <sup>(Detail)</sup></p> <p>IV.D.3.c) Fellows should participate in research activities with residents and staff members in other related specialties. <sup>(Detail)</sup></p>  |
| Female Pelvic Medicine and Reconstructive Surgery<br>(subspecialty of Obstetrics and Gynecology or Urology)              | <p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) The educational program for obstetrics and gynecology graduates must include:</p> <p>IV.D.3.a).(1) structured delivery of education in research design, grant writing, research methodology, scientific writing, and presentation skills; and, <sup>(Core)</sup></p> <p>IV.D.3.a).(2) completion and defense of a scholarly paper (thesis). <sup>(Core)</sup></p> <p>IV.D.3.a).(2).(a) Under the direction of a faculty mentor, each fellow must complete a comprehensive written scholarly paper (thesis) during the program that demonstrates the following: <sup>(Core)</sup></p> <p>IV.D.3.a).(2).(a).(i) utilization of appropriate research design, methodology, and analysis; <sup>(Core)</sup></p> <p>IV.D.3.a).(2).(a).(ii) collection and analysis of information obtained from a structured basic, translational and/or clinical research setting; and, <sup>(Core)</sup></p> <p>IV.D.3.a).(2).(a).(iii) synthesis of the scientific literature, hypothesis testing, and description of findings and results. <sup>(Core)</sup></p> <p>IV.D.3.a).(2).(b) Prior to completion of the fellowship, each fellow must have: <sup>(Core)</sup></p> <p>IV.D.3.a).(2).(b).(i) a thesis of such quality as to allow admittance to the American Board of Obstetrics and Gynecology or American Osteopathic Board of Obstetrics and Gynecology Certifying</p> |

| Specialty/Subspecialty Name  | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”  |
|--|---|
|  | <p>Examination; <sup>(Core)</sup></p> <p>IV.D.3.a).(2).(b).(ii) completed and submitted a written manuscript to the program director; and, <sup>(Core)</sup></p> <p>IV.D.3.a).(2).(b).(iii) defended the thesis to the program director and research mentor, and other members of the division at the discretion of the program director. <sup>(Core)</sup></p> <p>IV.D.3.b).(2).(c) A copy of the thesis and thesis defense documentation must be available upon request. <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> |
| <p>Geriatric Medicine<br/>(subspecialty of Family Medicine or Internal Medicine)</p>       | <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. <sup>(Detail)</sup></p>  |
| <p>Hand Surgery<br/>(subspecialty of Orthopaedic Surgery, Plastic Surgery, or Surgery)</p> | <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). <sup>(Outcome)</sup></p>  |
| <p>Hospice and Palliative</p>  | <p><b>IV.D.3. Fellow Scholarly Activity</b></p>   |

| Specialty/Subspecialty Name   | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”  |
|---|---|
| Medicine<br>(subspecialty of Anesthesiology, Family Medicine, Internal Medicine, Pediatrics, Psychiatry, or Radiation Oncology) | IV.D.3.a)<br>(Core) Fellows must complete a scholarly or quality improvement project during the program.  |
| Internal Medicine-Pediatrics<br>(Combined program for Internal Medicine and Pediatrics)   | <b>IV.D.3. Resident Scholarly Activity</b><br><b>IV.D.3.a) Residents must participate in scholarship.</b> (Core)  |
| Medical Toxicology<br>(subspecialty of Emergency Medicine or Preventive Medicine)   | <b>IV.D.3. Fellow Scholarly Activity</b><br>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)<br>IV.D.3.b) Fellows must participate in research or scholarly activity that includes at least one of the following:<br>IV.D.3.b).(1) peer-reviewed funding and research; (Outcome)<br>IV.D.3.b).(2) publication of original research or review articles; or, (Outcome)<br>IV.D.3.b).(3) presentations at local, regional, or national professional and scientific society meetings. (Outcome)<br>IV.D.3.c) Fellows must complete a scholarly project prior to graduation. (Outcome) |
| Molecular Genetic Pathology<br>(subspecialty of Medical Genetics and Genomics or Pathology)                                     | <b>IV.D.3. Fellow Scholarly Activity</b><br>IV.D.3.a)<br>(Core) Each fellow must participate in scholarly activity, including at least one of the following:<br>IV.D.3.a).(1)<br>(Core) evidence-based presentations at journal club or meeting (local, regional, or national);<br>IV.D.3.a).(2) preparation and submission of articles for peer-reviewed publications; or, (Core)  |

| Specialty/Subspecialty Name  | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”  |
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|  | IV.D.3.a).(3) research. <sup>(Core)</sup>   |
| <p>Neuromuscular Medicine<br/>(subspecialty of Child Neurology, Neurology, or Physical Medicine and Rehabilitation)</p>        | <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 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> |
| <p>Pain Medicine<br/>(subspecialty of Anesthesiology, Child Neurology, Neurology, or Physical Medicine and Rehabilitation)</p> | <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>   |
| <p>Sleep Medicine<br/>(subspecialty of Child Neurology, Internal Medicine, Neurology, Pediatrics, or Psychiatry)</p>           | <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. <sup>(Core)</sup></p>  |
| <p>Sports Medicine<br/>(subspecialty of Emergency Medicine, Family Medicine, Pediatrics, or Physical Medicine and</p>          | <p><b>IV.D.3. Fellow Scholarly Activity</b></p> <p>IV.D.3.a) Each fellow should complete a scholarly or quality improvement project during the program. <sup>(Outcome)</sup></p> <p>IV.D.3.a).(1) Evidence of scholarly activity should include at least one of the following: <sup>(Detail)</sup></p> <p>IV.D.3.a).(1).(a) peer-reviewed funding and research; <sup>(Detail)</sup></p>   |

| Specialty/Subspecialty Name  | Specialty-Specific Requirements Referencing “Resident/Fellow Scholarly Activity”  |
|--|---|
| Rehabilitation)  | IV.D.3.a).(1).(b) publication of original research or review articles; or, <sup>(Detail)</sup><br>IV.D.3.a).(1).(c) presentations at local, regional, or national professional and scientific society meetings. <sup>(Detail)</sup>   |
| Undersea and Hyperbaric Medicine (subspecialty of Emergency Medicine or Preventive Medicine) | <b>IV.D.3. Fellow Scholarly Activity</b><br>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><br>IV.D.3.b) Fellows must participate in scholarly activity that includes at least one of the following:<br>IV.D.3.b).(1) peer-reviewed funding and research; <sup>(Outcome)</sup><br>IV.D.3.b).(2) publication of original research or review articles; or, <sup>(Outcome)</sup><br>IV.D.3.b).(3) presentations at local, regional, or national professional and scientific society meetings. <sup>(Outcome)</sup> |