

ACGME Program Requirements for Graduate Medical Education in Ophthalmic Plastic and Reconstructive Surgery

Common Program Requirements are in BOLD

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Introduction

Int.A. Residency and fellowship programs are essential dimensions of the transformation of the medical student to the independent practitioner along the continuum of medical education. They are physically, emotionally, and intellectually demanding, and require longitudinally-concentrated effort on the part of the resident or fellow.

The specialty education of physicians to practice independently is experiential, and necessarily occurs within the context of the health care delivery system. Developing the skills, knowledge, and attitudes leading to proficiency in all the domains of clinical competency requires the resident and fellow physician to assume personal responsibility for the care of individual patients. For the resident and fellow, the essential learning activity is interaction with patients under the guidance and supervision of faculty members who give value, context, and meaning to those interactions. As residents and fellows gain experience and demonstrate growth in their ability to care for patients, they assume roles that permit them to exercise those skills with greater independence. This concept—graded and progressive responsibility—is one of the core tenets of American graduate medical education. Supervision in the setting of graduate medical education has the goals of assuring the provision of safe and effective care to the individual patient; assuring each resident's and fellow's development of the skills, knowledge, and attitudes required to enter the unsupervised practice of medicine; and establishing a foundation for continued professional growth.

Int.B. Definition and Scope of the Subspecialty

The goal of fellowship education in ophthalmic plastic and reconstructive surgery is to complement the basic knowledge gained in the ophthalmology residency program and to provide greater exposure to a variety of diseases and ophthalmic plastic and reconstructive procedures.

Int.C. Duration of Education

The length of the educational program must be 24 months of full-time education.

I. Institutions

I.A. Sponsoring Institution

One sponsoring institution must assume ultimate responsibility for the program, as described in the Institutional Requirements, and this

responsibility extends to fellow assignments at all participating sites.

The sponsoring institution and the program must ensure that the program director has sufficient protected time and financial support for his or her educational and administrative responsibilities to the program.

I.B. Participating Sites

I.B.1. There must be a program letter of agreement (PLA) between the program and each participating site providing a required assignment. The PLA must be renewed at least every five years.

The PLA should:

I.B.1.a) identify the faculty who will assume both educational and supervisory responsibilities for fellows;

I.B.1.b) specify their responsibilities for teaching, supervision, and formal evaluation of fellows, as specified later in this document;

I.B.1.c) specify the duration and content of the educational experience; and,

I.B.1.d) state the policies and procedures that will govern fellow education during the assignment.

I.B.2. The program director must submit any additions or deletions of participating sites routinely providing an educational experience, required for all fellows, of one month full time equivalent (FTE) or more through the Accreditation Council for Graduate Medical Education (ACGME) Accreditation Data System (ADS).

II. Program Personnel and Resources

II.A. Program Director

II.A.1. There must be a single program director with authority and accountability for the operation of the program. The sponsoring institution's GMEC must approve a change in program director. After approval, the program director must submit this change to the ACGME via the ADS.

II.A.2. The program director should continue in his or her position for a length of time adequate to maintain continuity of leadership and program stability.

II.A.3. Qualifications of the program director must include:

II.A.3.a) requisite specialty expertise and documented educational and administrative experience acceptable to the Review

Committee;

- II.A.3.b) **current certification in the specialty by the American Board of Ophthalmology, or specialty qualifications that are acceptable to the Review Committee;**
- II.A.3.c) **current medical licensure and appropriate medical staff appointment;**
- II.A.3.d) at least five years clinical experience in ophthalmic plastic and reconstructive surgery, including successful completion of ophthalmic plastic and reconstructive surgery fellowship education, and at least three years of clinical experience in ophthalmic plastic and reconstructive surgery following the fellowship;
- II.A.3.e) a clinical practice consisting predominantly of ophthalmic plastic and reconstructive surgery; and,
- II.A.3.f) engagement in ongoing research in the area of ophthalmic plastic and reconstructive surgery as demonstrated by regular publications in peer-reviewed journals and/or presentations of research material at national meetings.
- II.A.4. **The program director must administer and maintain an educational environment conducive to educating the fellows in each of the ACGME competency areas. The program director must:**
 - II.A.4.a) **oversee and ensure the quality of didactic and clinical education in all sites that participate in the program;**
 - II.A.4.b) **approve a local director at each participating site who is accountable for fellow education;**
 - II.A.4.c) **approve the selection of program faculty as appropriate;**
 - II.A.4.d) **evaluate program faculty and approve the continued participation of program faculty based on evaluation;**
 - II.A.4.e) **monitor fellow supervision at all participating sites;**
 - II.A.4.f) **prepare and submit all information required and requested by the ACGME, including but not limited to the program information forms and annual program fellow updates to the ADS, and ensure that the information submitted is accurate and complete;**
 - II.A.4.g) **provide each fellow with documented semiannual evaluation of performance with feedback;**
 - II.A.4.h) **ensure compliance with grievance and due process**

procedures as set forth in the Institutional Requirements and implemented by the sponsoring institution;

- II.A.4.i) provide verification of residency education for all fellows, including those who leave the program prior to completion;**
- II.A.4.j) implement policies and procedures consistent with the institutional and program requirements for fellow duty hours and the working environment, including moonlighting, and, to that end, must:**
 - II.A.4.j).(1) distribute these policies and procedures to the fellows and faculty;**
 - II.A.4.j).(2) monitor fellow duty hours, according to sponsoring institutional policies, with a frequency sufficient to ensure compliance with ACGME requirements;**
 - II.A.4.j).(3) adjust schedules as necessary to mitigate excessive service demands and/or fatigue; and,**
 - II.A.4.j).(4) if applicable, monitor the demands of at-home call and adjust schedules as necessary to mitigate excessive service demands and/or fatigue.**
- II.A.4.k) monitor the need for and ensure the provision of back up support systems when patient care responsibilities are unusually difficult or prolonged;**
- II.A.4.l) comply with the sponsoring institution's written policies and procedures, including those specified in the Institutional Requirements, for selection, evaluation and promotion of fellows, disciplinary action, and supervision of fellows;**
- II.A.4.m) be familiar with and comply with ACGME and Review Committee policies and procedures as outlined in the ACGME Manual of Policies and Procedures;**
- II.A.4.n) obtain review and approval of the sponsoring institution's GMEC/DIO before submitting to the ACGME information or requests for the following:**
 - II.A.4.n).(1) all applications for ACGME accreditation of new programs;**
 - II.A.4.n).(2) changes in fellow complement;**
 - II.A.4.n).(3) major changes in program structure or length of training;**
 - II.A.4.n).(4) progress reports requested by the Review Committee;**

- II.A.4.n).(5) responses to all proposed adverse actions;
 - II.A.4.n).(6) requests for increases or any change to fellow duty hours;
 - II.A.4.n).(7) voluntary withdrawals of ACGME-accredited programs;
 - II.A.4.n).(8) requests for appeal of an adverse action;
 - II.A.4.n).(9) appeal presentations to a Board of Appeal or the ACGME; and,
 - II.A.4.n).(10) proposals to ACGME for approval of innovative educational approaches.
- II.A.4.o) obtain DIO review and co-signature on all program information forms, as well as any correspondence or document submitted to the ACGME that addresses:
- II.A.4.o).(1) program citations, and/or
 - II.A.4.o).(2) request for changes in the program that would have significant impact, including financial, on the program or institution.
- II.A.4.p) ensure at least semiannually that fellows enter their operative procedures into the ACGME Case Log System. This documentation must include verification of the number of procedures in each category when the fellow has been the surgeon and the assistant surgeon;
- II.A.4.q) along with faculty, maintain a presence in the clinical service; and,
- II.A.4.r) prior to entry into the program, notify each fellow in writing of the required length of the ophthalmic plastic and reconstructive surgery program.

II.B. Faculty

II.B.1. At each participating site, there must be a sufficient number of faculty with documented qualifications to instruct and supervise all fellows at that location.

The faculty must:

II.B.1.a) devote sufficient time to the educational program to fulfill their supervisory and teaching responsibilities; and to demonstrate a strong interest in the education of fellows, and

- II.B.1.b) administer and maintain an educational environment conducive to educating fellows in each of the ACGME competency areas.**
- II.B.2. The physician faculty must have current certification in the subspecialty by the American Board of Ophthalmology, or possess qualifications acceptable to the Review Committee.**
 - II.B.2.a) There must be at least one FTE ophthalmic plastic and reconstructive surgery fellowship trained faculty member.**
 - II.B.2.b) Faculty members in ophthalmic plastic and reconstructive surgery should have at least one year of post-fellowship clinical experience in ophthalmic plastic and reconstructive surgery; they may have part-time or voluntary faculty appointments.**
- II.B.3. The physician faculty must possess current medical licensure and appropriate medical staff appointment.**
- II.B.4. The nonphysician faculty must have appropriate qualifications in their field and hold appropriate institutional appointments.**
- II.B.5. The faculty must establish and maintain an environment of inquiry and scholarship with an active research component.**
 - II.B.5.a) The faculty must regularly participate in organized clinical discussions, rounds, journal clubs, and conferences.**
 - II.B.5.b) Some members of the faculty should also demonstrate scholarship by one or more of the following:**
 - II.B.5.b).(1) peer-reviewed funding;**
 - II.B.5.b).(2) publication of original research or review articles in peer-reviewed journals, or chapters in textbooks;**
 - II.B.5.b).(3) publication or presentation of case reports or clinical series at local, regional, or national professional and scientific society meetings; or,**
 - II.B.5.b).(4) participation in national committees or educational organizations.**
 - II.B.5.c) Faculty should encourage and support fellows in scholarly activities.**
- II.C. Other Program Personnel**

The institution and the program must jointly ensure the availability of all necessary professional, technical, and clerical personnel for the effective administration of the program.

- II.C.1. There should be designated faculty from the specialties of otolaryngology, procedural dermatology, craniofacial surgery, plastic surgery, neuroradiology, ocular pathology, and neurology to supervise rotations in these specialties.

II.D. Resources

The institution and the program must jointly ensure the availability of adequate resources for fellow education, as defined in the specialty program requirements.

II.D.1. Clinic

The outpatient area of each participating site must have a minimum of one fully equipped examining room for each fellow in the clinic. There must be access to current diagnostic equipment.

II.D.2. Operating Facilities

The surgical facilities at each participating site must include at least one operating facility appropriately equipped for ophthalmic plastic and reconstructive surgery.

II.D.3. Inpatient Facilities

There must be inpatient facilities with access to sufficient space and beds for patient care. An eye examination room with a slit lamp should be easily accessible to fellows.

II.E. Medical Information Access

Fellows must have ready access to specialty-specific and other appropriate reference material in print or electronic format. Electronic medical literature databases with search capabilities should be available.

III. Fellow Appointments

III.A. Eligibility Criteria

The program director must comply with the criteria for fellow eligibility as specified in the Institutional Requirements.

- III.A.1. All applicants entering ACGME-accredited ophthalmic plastic and reconstructive surgery fellowships must have satisfactorily completed an ACGME-accredited ophthalmology residency program and be eligible to take the American Board of Ophthalmology certifying examinations, or already be certified by that Board.

III.B. Number of Fellows

The program director may not appoint more fellows than approved by the Review Committee, unless otherwise stated in the specialty-specific requirements. The program's educational resources must be adequate to support the number of fellows appointed to the program.

III.C. Fellow Transfers

III.C.1. Before accepting a fellow who is transferring from another program, the program director must obtain written or electronic verification of previous educational experiences and a summative competency-based performance evaluation of the transferring fellow.

III.C.2. A program director must provide timely verification of residency education and summative performance evaluations for fellows who leave the program prior to completion.

III.D. Appointment of Fellows and Other Learners

The presence of other learners (including, but not limited to, fellows from other specialties, subspecialty fellows, PhD students, and nurse practitioners) in the program must not interfere with the appointed fellows' education. The program director must report the presence of other learners to the DIO and GMEC in accordance with sponsoring institution guidelines.

IV. Educational Program

IV.A. The curriculum must contain the following educational components:

IV.A.1. Overall educational goals for the program, which the program must distribute to fellows and faculty annually;

IV.A.2. Competency-based goals and objectives for each assignment at each educational level, which the program must distribute to fellows and faculty annually, in either written or electronic form. These should be reviewed by the fellow at the start of each rotation;

IV.A.3. Regularly scheduled didactic sessions;

IV.A.3.a) Fellows must prepare and present teaching conferences and participate in the teaching of fellows, residents and/or medical students.

IV.A.3.b) The fellow must participate in a minimum of 80 hours of didactic instruction, including seminars, lectures, approved basic science courses, and hands-on skilled courses of which at least 40 hours must be intramural. These should include the following:

IV.A.3.b).(1) attendance at grand rounds: the fellow should actively participate in case presentation conferences and discussions of patients with ophthalmic plastic and reconstructive surgery;

- IV.A.3.b).(2) mandatory attendance at regularly scheduled case presentation conferences: the fellow must prepare and present a minimum of two case presentations per year;
- IV.A.3.b).(3) attendance at lectures on ophthalmic plastic and reconstructive surgery topics given by the faculty during the fellowship teaching program, including at least six lecture hours per year. The fellow must prepare and present a minimum of two didactic lectures per year on the diagnosis/treatment of entities afflicting the eyelids, tear system, orbit, or face, to be presented to faculty, other fellows, and residents;
- IV.A.3.b).(4) attendance at, and preparation of case presentation for, at least one ophthalmic plastic and reconstructive surgery visiting professor conference per two years; and,
- IV.A.3.b).(5) attendance and participation in at least two courses devoted to ophthalmic plastic and reconstructive surgery, tumor resection, lacrimal disease, or cosmetic surgery.
- IV.A.3.c) Fellowship faculty must emphasize and teach the principles of ethical and humane treatment of patients in accordance with the Code of Ethics of the American Academy of Ophthalmology and the Declaration of Helsinki Standards. In addition, faculty must include the ARVO statement for the use of Animals in Ophthalmic and Vision Research. Faculty should communicate these ethical principles to their fellows in both didactic and clinical aspects of the fellowship education.
- IV.A.4. Delineation of fellow responsibilities for patient care, progressive responsibility for patient management, and supervision of fellows over the continuum of the program; and,**
- IV.A.5. ACGME Competencies**
- The program must integrate the following ACGME competencies into the curriculum:**
- IV.A.5.a) Patient Care**
- Fellows must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health. Fellows:**
- IV.A.5.a).(1) must directly evaluate, and provide diagnosis and treatment plans, for a minimum of 1,200 patient encounters per year during the course of education. These patients must have ophthalmic plastic and reconstructive surgery related problems. The fellow must be able to demonstrate

that the history and examination were accurate and appropriate, the use of laboratory and imaging tests was directed by the history and physical examination, and that the differential diagnosis and management were appropriate;

- IV.A.5.a).(2) must demonstrate proficiency in teaching ophthalmic plastic and reconstructive surgery to ophthalmology residents;
- IV.A.5.a).(3) must demonstrate proficiency in the following procedures:
 - IV.A.5.a).(3).(a) enucleation, evisceration, exenteration, and secondary implants of the orbit;
 - IV.A.5.a).(3).(b) orbitotomy for exploration, biopsy, and tumor removal; anterior, lateral, medial and superior and orbital reconstruction for periorbital anomalies;
 - IV.A.5.a).(3).(c) eyelid retraction repair;
 - IV.A.5.a).(3).(d) blepharoptosis repair;
 - IV.A.5.a).(3).(e) ectropion and entropion repair;
 - IV.A.5.a).(3).(f) blepharoplasty (upper and lower eyelids, functional and aesthetic);
 - IV.A.5.a).(3).(g) eye lid reconstruction (following congenital defects, trauma or tumor excision);
 - IV.A.5.a).(3).(h) repair or treatment of trichiasis (lid split, mucous membrane graft);
 - IV.A.5.a).(3).(i) conjunctivoplasty;
 - IV.A.5.a).(3).(j) trauma and laceration repairs;
 - IV.A.5.a).(3).(k) rhytidectomy limited to periorbital tissues;
 - IV.A.5.a).(3).(l) dacryocystorhinostomy and other lacrimal procedures;
 - IV.A.5.a).(3).(m) excision of tumors involving the periobital and adjacent regions-benign and malignant;
 - IV.A.5.a).(3).(n) facial flaps and grafts related to the management of periorbital processes;
 - IV.A.5.a).(3).(o) management of upper face and brow conditions (e.g. brow ptosis repair);

IV.A.5.a).(3).(p) nasal endoscopy, partial inferior turbinectomy, and procedures related to the management of lacrimal and periorbital processes; and,

IV.A.5.a).(3).(q) use of neuromodulators (botulinum toxin), dermal fillers, other technologies (e.g. laser) and chemical/pharmaceutical agents for the management of contour and skin quality abnormalities (functional and aesthetic).

IV.A.5.b) Medical Knowledge

Fellows must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological and social-behavioral sciences, as well as the application of this knowledge to patient care. Fellows:

[There is no specialty-specific language for this section]

IV.A.5.c) Practice-based Learning and Improvement

Fellows must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and life-long learning. Fellows are expected to develop skills and habits to be able to meet the following goals:

IV.A.5.c).(1) identify strengths, deficiencies, and limits in one's knowledge and expertise;

IV.A.5.c).(2) set learning and improvement goals;

IV.A.5.c).(3) identify and perform appropriate learning activities;

IV.A.5.c).(4) systematically analyze practice using quality improvement methods, and implement changes with the goal of practice improvement;

IV.A.5.c).(5) incorporate formative evaluation feedback into daily practice;

IV.A.5.c).(6) locate, appraise, and assimilate evidence from scientific studies related to their patients' health problems;

IV.A.5.c).(7) use information technology to optimize learning; and,

IV.A.5.c).(8) participate in the education of patients, families, students, fellows and other health professionals.

IV.A.5.d) Interpersonal and Communication Skills

Fellows must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and health professionals. Fellows are expected to:

- IV.A.5.d).(1) communicate effectively with patients, families, and the public, as appropriate, across a broad range of socioeconomic and cultural backgrounds;**
- IV.A.5.d).(2) communicate effectively with physicians, other health professionals, and health related agencies;**
- IV.A.5.d).(3) work effectively as a member or leader of a health care team or other professional group;**
- IV.A.5.d).(4) act in a consultative role to other physicians and health professionals; and,**
- IV.A.5.d).(5) maintain comprehensive, timely, and legible medical records, if applicable.**

IV.A.5.e) Professionalism

Fellows must demonstrate a commitment to carrying out professional responsibilities and an adherence to ethical principles. Fellows are expected to demonstrate:

- IV.A.5.e).(1) compassion, integrity, and respect for others;**
- IV.A.5.e).(2) responsiveness to patient needs that supersedes self-interest;**
- IV.A.5.e).(3) respect for patient privacy and autonomy;**
- IV.A.5.e).(4) accountability to patients, society and the profession; and,**
- IV.A.5.e).(5) sensitivity and responsiveness to a diverse patient population, including but not limited to diversity in gender, age, culture, race, religion, disabilities, and sexual orientation.**

IV.A.5.f) Systems-based Practice

Fellows must demonstrate an awareness of and responsiveness to the larger context and system of health care, as well as the ability to call effectively on other resources in the system to provide optimal health care.

Fellows are expected to:

- IV.A.5.f).(1) **work effectively in various health care delivery settings and systems relevant to their clinical specialty;**
- IV.A.5.f).(2) **coordinate patient care within the health care system relevant to their clinical specialty;**
- IV.A.5.f).(3) **incorporate considerations of cost awareness and risk-benefit analysis in patient and/or population-based care as appropriate;**
- IV.A.5.f).(4) **advocate for quality patient care and optimal patient care systems;**
- IV.A.5.f).(5) **work in interprofessional teams to enhance patient safety and improve patient care quality;**
- IV.A.5.f).(6) **participate in identifying system errors and implementing potential systems solutions; and,**
- IV.A.5.f).(7) participate in planned rotations to procedural dermatology, otolaryngology, neuro-ophthalmology and plastic surgery in order to understand how other specialties approach the management of diseases of the head and neck that directly affect the management of ocular and periocular disease, with a set of measurable goals and objectives to be attained at the end of each rotation.

IV.A.6. Patient Care Curriculum

Fellows:

- IV.A.6.a) must maintain a surgical log including Surgeon (primary surgeon) and Assistant (assisting and/or observing surgeon) cases;
- IV.A.6.b) must document a minimum number of 300 operative procedures in an operating room or equivalent facility, plus 150 minor office-based procedures, such as biopsies and incision/curettage;
- IV.A.6.c) must document in the Case Log system a sufficient number and distribution of complex cases for Surgeon (fellow as the primary surgeon) and Assistant (fellow as the first assistant), as determined by the Review Committee, for the achievement of adequate operative skill and surgical judgment; and
- IV.A.6.d) must actively participate in the preoperative and postoperative management of surgical cases in which they are part of the surgical team.

IV.A.7. Medical Knowledge Curriculum

IV.A.7.a) Fellows must have instruction in the following specific areas:

IV.A.7.a).(1) anatomy and physiology of the orbit, eyelids, lacrimal system, nose, sinuses, and head and neck as it relates to the orbits and adnexa;

IV.A.7.a).(2) orbit;

IV.A.7.a).(2).(a) common orbital problems of children, including: congenital anomalies, cellulitis, benign and malignant tumors, and orbital inflammations;

IV.A.7.a).(2).(b) common orbital disorders of adults including orbital cellulitis, thyroid orbitopathy, and pseudotumor, vasculitis, congenital tumors, vascular tumors, neural tumors, lacrimal gland tumors, fibro-osseous tumors, histiocytic diseases, lymphoid tumors, metastatic tumors, trauma, anophthalmic socket problems, and skull base disease;

IV.A.7.a).(3) eyelid, including congenital syndromes, inflammation, trauma, ectropion, entropion, trichiasis, blepharoptosis, eyelid retraction, dermatochalasis, blepharochalasis, eyelid tumors, blepharospasm, facial nerve palsy, eyebrow, midface and lower face function, and aesthetics;

IV.A.7.a).(4) lacrimal system, including congenital tearing, acquired tearing, and trauma;

IV.A.7.a).(5) ocular surface pathology, including cicatricial processes affecting the bulbar and palpebral conjunctiva, management of corneal and conjunctival exposure, and relationship of the lids, mid-face and brow to ocular exposure;

IV.A.7.a).(6) regional anatomy, including graft sites frequently used such as cranial bone, ear, nose, temporal area, mouth and neck, abdomen, buttocks, legs, supraclavicular area, and arm;

IV.A.7.a).(7) fundamentals of ocular and orbital anatomy, chemistry, physiology, microbiology, immunology, and wound healing;

IV.A.7.a).(8) histology and pathology to interpret ocular, cutaneous, and periocular pathology and dermatopathology. This should include ten hours of pathology slide review with clinical correlation;

IV.A.7.a).(9) diagnostic and therapeutic procedures with comprehensive

- examination of the eyelids and periorbital region;
- IV.A.7.a).(10) examination of the lacrimal system, and nasal exam with speculum and endoscope;
- IV.A.7.a).(11) examination of the eyebrow and face, including assessment of the eyebrow position for brow ptosis, paralysis, and its relation to upper eyelid dermatochalasis, for facial paralysis and evaluation of the effects of mid-face cicatricial, paralytic and involitional changes on lower eyelid position. Also an assessment of the face for the harmonious aesthetic units and evaluation of the inter-relationships of each;
- IV.A.7.a).(12) examination and measurement of orbital structures and functions;
- IV.A.7.a).(13) the principles of plain films, CT, MRI, and ultrasound imaging relating to the head and neck with particular emphasis on the orbit; and
- IV.A.7.a).(14) the use of information technology for study of reference material, including electronic searching and retrieval of relevant articles, monographs, and abstracts.
- IV.A.7.b) Fellows must participate in one orbital dissection during their 24-month program.
- IV.A.7.c) Fellows must learn the fundamentals of cosmetic surgery and its complications with emphasis on brows and mid-face, as well as alloplastic inserts.
- IV.A.7.d) Fellows must learn the team approach to orbital and periorbital trauma.

IV.B. Fellows' Scholarly Activities

IV.B.1. The curriculum must advance fellows' knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care.

IV.B.2. Fellows should participate in scholarly activity.

- IV.B.2.a) Research activities should include participation in clinical trials, prospective and retrospective studies, case reports, and basic science research where feasible.
- IV.B.2.b) Fellows should attend local and regional conferences relevant to ophthalmic plastic and reconstructive surgery.
- IV.B.2.c) Fellows must actively participate, along with the ophthalmic plastic

and reconstructive surgery faculty, in a journal club three times per year. The fellow and faculty should present and critically discuss selections from the current literature.

IV.B.2.d) Each fellow should be a lead author of one peer-reviewed publication related to ophthalmic surgery during fellowship education.

IV.B.3. The sponsoring institution and program should allocate adequate educational resources to facilitate fellow involvement in scholarly activities.

V. Evaluation

V.A. Fellow Evaluation

V.A.1. Formative Evaluation

V.A.1.a) The faculty must evaluate fellow performance in a timely manner during each rotation or similar educational assignment, and document this evaluation at completion of the assignment.

V.A.1.b) The program must:

V.A.1.b).(1) provide objective assessments of competence in patient care, medical knowledge, practice-based learning and improvement, interpersonal and communication skills, professionalism, and systems-based practice;

V.A.1.b).(2) use multiple evaluators (e.g., faculty, peers, patients, self, and other professional staff);

V.A.1.b).(3) document progressive fellow performance improvement appropriate to educational level; and,

V.A.1.b).(4) provide each fellow with documented semiannual evaluation of performance with feedback.

V.A.1.c) The evaluations of fellow performance must be accessible for review by the fellow, in accordance with institutional policy.

V.A.1.d) 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.

V.A.2. Summative Evaluation

The program director must provide a summative evaluation for each

fellow upon completion of the program. This evaluation must become part of the fellow's permanent record maintained by the institution, and must be accessible for review by the fellow in accordance with institutional policy. This evaluation must:

- V.A.2.a) document the fellow's performance during the final period of education, and**
- V.A.2.b) verify that the fellow has demonstrated sufficient competence to enter practice without direct supervision.**

V.B. Faculty Evaluation

- V.B.1. At least annually, the program must evaluate faculty performance as it relates to the educational program.**
- V.B.2. These evaluations should include a review of the faculty's clinical teaching abilities, commitment to the educational program, clinical knowledge, professionalism, and scholarly activities.**
- V.B.3. This evaluation must include at least annual written confidential evaluations by the fellows.**

V.C. Program Evaluation and Improvement

V.C.1. The program must document formal, systematic evaluation of the curriculum at least annually. The program must monitor and track each of the following areas:

- V.C.1.a) fellow performance;**
- V.C.1.b) faculty development;**
- V.C.1.c) graduate performance, including performance of program graduates on the certification examination; and,**
- V.C.1.d) program quality. Specifically:**
 - V.C.1.d).(1) Fellows and faculty must have the opportunity to evaluate the program confidentially and in writing at least annually, and**
 - V.C.1.d).(2) The program must use the results of fellows' assessments of the program together with other program evaluation results to improve the program.**

V.C.2. If deficiencies are found, the program should prepare a written plan of action to document initiatives to improve performance in the areas listed in section V.C.1. The action plan should be reviewed and approved by the teaching faculty and documented in meeting minutes.

VI. Fellow Duty Hours in the Learning and Working Environment

VI.A. Professionalism, Personal Responsibility, and Patient Safety

- VI.A.1. Programs and sponsoring institutions must educate fellows and faculty members concerning the professional responsibilities of physicians to appear for duty appropriately rested and fit to provide the services required by their patients.**
- VI.A.2. The program must be committed to and responsible for promoting patient safety and fellow well-being in a supportive educational environment.**
- VI.A.3. The program director must ensure that fellows are integrated and actively participate in interdisciplinary clinical quality improvement and patient safety programs.**
- VI.A.4. The learning objectives of the program must:**
- VI.A.4.a) be accomplished through an appropriate blend of supervised patient care responsibilities, clinical teaching, and didactic educational events; and,**
 - VI.A.4.b) not be compromised by excessive reliance on fellows to fulfill non-physician service obligations.**
- VI.A.5. The program director and institution must ensure a culture of professionalism that supports patient safety and personal responsibility. Fellows and faculty members must demonstrate an understanding and acceptance of their personal role in the following:**
- VI.A.5.a) assurance of the safety and welfare of patients entrusted to their care;**
 - VI.A.5.b) provision of patient- and family-centered care;**
 - VI.A.5.c) assurance of their fitness for duty;**
 - VI.A.5.d) management of their time before, during, and after clinical assignments;**
 - VI.A.5.e) recognition of impairment, including illness and fatigue, in themselves and in their peers;**
 - VI.A.5.f) attention to lifelong learning;**
 - VI.A.5.g) the monitoring of their patient care performance improvement indicators; and,**

- VI.A.5.h) honest and accurate reporting of duty hours, patient outcomes, and clinical experience data.**
- VI.A.6. All fellows and faculty members must demonstrate responsiveness to patient needs that supersedes self-interest. Physicians must recognize that under certain circumstances, the best interests of the patient may be served by transitioning that patient's care to another qualified and rested provider.**
- VI.B. Transitions of Care**
- VI.B.1. Programs must design clinical assignments to minimize the number of transitions in patient care.**
- VI.B.2. Sponsoring institutions and programs must ensure and monitor effective, structured hand-over processes to facilitate both continuity of care and patient safety.**
- VI.B.3. Programs must ensure that fellows are competent in communicating with team members in the hand-over process.**
- VI.B.4. The sponsoring institution must ensure the availability of schedules that inform all members of the health care team of attending physicians and fellows currently responsible for each patient's care.**
- VI.C. Alertness Management/Fatigue Mitigation**
- VI.C.1. The program must:**
- VI.C.1.a) educate all faculty members and fellows to recognize the signs of fatigue and sleep deprivation;**
- VI.C.1.b) educate all faculty members and fellows in alertness management and fatigue mitigation processes; and,**
- VI.C.1.c) adopt fatigue mitigation processes to manage the potential negative effects of fatigue on patient care and learning, such as naps or back-up call schedules.**
- VI.C.2. Each program must have a process to ensure continuity of patient care in the event that a fellow may be unable to perform his/her patient care duties.**
- VI.C.3. The sponsoring institution must provide adequate sleep facilities and/or safe transportation options for fellows who may be too fatigued to safely return home.**
- VI.D. Supervision of Fellows**
- VI.D.1. In the clinical learning environment, each patient must have an identifiable, appropriately-credentialed and privileged attending**

physician (or licensed independent practitioner as approved by each Review Committee) who is ultimately responsible for that patient's care.

VI.D.1.a) This information should be available to fellows, faculty members, and patients.

VI.D.1.b) Fellows and faculty members should inform patients of their respective roles in each patient's care.

VI.D.2. The program must demonstrate that the appropriate level of supervision is in place for all fellows who care for patients.

Supervision may be exercised through a variety of methods. Some activities require the physical presence of the supervising faculty member. For many aspects of patient care, the supervising physician may be a more advanced resident or fellow. Other portions of care provided by the fellow can be adequately supervised by the immediate availability of the supervising faculty member or fellow physician, either in the institution, or by means of telephonic and/or electronic modalities. In some circumstances, supervision may include post-hoc review of fellow-delivered care with feedback as to the appropriateness of that care.

VI.D.3. Levels of Supervision

To ensure oversight of fellow supervision and graded authority and responsibility, the program must use the following classification of supervision:

VI.D.3.a) Direct Supervision – the supervising physician is physically present with the fellow and patient.

VI.D.3.b) Indirect Supervision:

VI.D.3.b).(1) with direct supervision immediately available – the supervising physician is physically within the hospital or other site of patient care, and is immediately available to provide Direct Supervision.

VI.D.3.b).(2) with direct supervision available – the supervising physician is not physically present within the hospital or other site of patient care, but is immediately available by means of telephonic and/or electronic modalities, and is available to provide Direct Supervision.

VI.D.3.c) Oversight – the supervising physician is available to provide review of procedures/encounters with feedback provided after care is delivered.

VI.D.4. The privilege of progressive authority and responsibility, conditional independence, and a supervisory role in patient care delegated to each fellow must be assigned by the program director and faculty members.

VI.D.4.a) The program director must evaluate each fellow's abilities based on specific criteria. When available, evaluation should be guided by specific national standards-based criteria.

VI.D.4.b) Faculty members functioning as supervising physicians should delegate portions of care to fellows, based on the needs of the patient and the skills of the fellows.

VI.D.4.c) Senior residents or fellows should serve in a supervisory role of junior residents in recognition of their progress toward independence, based on the needs of each patient and the skills of the individual resident or fellow.

VI.D.5. Programs must set guidelines for circumstances and events in which fellows must communicate with appropriate supervising faculty members, such as the transfer of a patient to an intensive care unit, or end-of-life decisions.

VI.D.5.a) Each fellow must know the limits of his/her scope of authority, and the circumstances under which he/she is permitted to act with conditional independence.

VI.D.5.a).(1) In particular, PGY-1 residents should be supervised either directly or indirectly with direct supervision immediately available.

VI.D.6. Faculty supervision assignments should be of sufficient duration to assess the knowledge and skills of each fellow and delegate to him/her the appropriate level of patient care authority and responsibility.

VI.E. Clinical Responsibilities

The clinical responsibilities for each fellow must be based on PGY-level, patient safety, fellow education, severity and complexity of patient illness/condition and available support services.

VI.F. Teamwork

Fellows must care for patients in an environment that maximizes effective communication. This must include the opportunity to work as a member of effective interprofessional teams that are appropriate to the delivery of care in the specialty.

VI.F.1. Programs must provide a team-oriented learning environment for patient care which incorporates both outpatient and inpatient exposure. The team

may include faculty members and residents in ophthalmology, referring physicians, consultant physicians in dermatology, neurological surgery, otolaryngology, pathology, and plastic surgery, laboratory and administrative staff, medical students, nurses, and technicians, among others.

VI.F.1.a) Education in effective communication among team members must be provided.

VI.G. Fellow Duty Hours

VI.G.1. Maximum Hours of Work per Week

Duty hours must be limited to 80 hours per week, averaged over a four-week period, inclusive of all in-house call activities and all moonlighting.

VI.G.1.a) Duty Hour Exceptions

A Review Committee may grant exceptions for up to 10% or a maximum of 88 hours to individual programs based on a sound educational rationale.

The Review Committee for Ophthalmology will not consider requests for exceptions to the 80-hour limit to the fellows' work week.

VI.G.1.a).(1) In preparing a request for an exception the program director must follow the duty hour exception policy from the ACGME Manual on Policies and Procedures.

VI.G.1.a).(2) Prior to submitting the request to the Review Committee, the program director must obtain approval of the institution's GMEC and DIO.

VI.G.2. Moonlighting

VI.G.2.a) Moonlighting must not interfere with the ability of the fellow to achieve the goals and objectives of the educational program.

VI.G.2.b) Time spent by fellows in Internal and External Moonlighting (as defined in the ACGME Glossary of Terms) must be counted towards the 80-hour Maximum Weekly Hour Limit.

VI.G.2.c) PGY-1 residents are not permitted to moonlight.

VI.G.3. Mandatory Time Free of Duty

Fellows must be scheduled for a minimum of one day free of duty every week (when averaged over four weeks). At-home call cannot

be assigned on these free days.

VI.G.4. Maximum Duty Period Length

VI.G.4.a) Duty periods of PGY-1 residents must not exceed 16 hours in duration.

VI.G.4.b) Duty periods of PGY-2 residents and above may be scheduled to a maximum of 24 hours of continuous duty in the hospital. Programs must encourage fellows to use alertness management strategies in the context of patient care responsibilities. Strategic napping, especially after 16 hours of continuous duty and between the hours of 10:00 p.m. and 8:00 a.m., is strongly suggested.

VI.G.4.b).(1) It is essential for patient safety and fellow education that effective transitions in care occur. Fellows may be allowed to remain on-site in order to accomplish these tasks; however, this period of time must be no longer than an additional four hours.

VI.G.4.b).(2) Fellows must not be assigned additional clinical responsibilities after 24 hours of continuous in-house duty.

VI.G.4.b).(3) In unusual circumstances, fellows, on their own initiative, may remain beyond their scheduled period of duty to continue to provide care to a single patient. Justifications for such extensions of duty are limited to reasons of required continuity for a severely ill or unstable patient, academic importance of the events transpiring, or humanistic attention to the needs of a patient or family.

VI.G.4.b).(3).(a) Under those circumstances, the fellow must:

VI.G.4.b).(3).(a).(i) appropriately hand over the care of all other patients to the team responsible for their continuing care; and,

VI.G.4.b).(3).(a).(ii) document the reasons for remaining to care for the patient in question and submit that documentation in every circumstance to the program director.

VI.G.4.b).(3).(b) The program director must review each submission of additional service, and track both individual fellow and program-wide episodes of additional duty.

VI.G.5. Minimum Time Off between Scheduled Duty Periods

- VI.G.5.a)** PGY-1 residents should have 10 hours, and must have eight hours, free of duty between scheduled duty periods.
- VI.G.5.b)** Intermediate-level residents should have 10 hours free of duty, and must have eight hours between scheduled duty periods. They must have at least 14 hours free of duty after 24 hours of in-house duty.
- Ophthalmic plastic and reconstructive surgery fellows are considered to be in the final years of education.
- VI.G.5.c)** Residents in the final years of education must be prepared to enter the unsupervised practice of medicine and care for patients over irregular or extended periods.
- Ophthalmic plastic and reconstructive surgery fellows are considered to be in the final years of education.
- VI.G.5.c).(1)** This preparation must occur within the context of the 80-hour, maximum duty period length, and one-day-off-in-seven standards. While it is desirable that residents in their final years of education have eight hours free of duty between scheduled duty periods, there may be circumstances when these fellows must stay on duty to care for their patients or return to the hospital with fewer than eight hours free of duty.
- VI.G.5.c).(1).(a)** Circumstances of return-to-hospital activities with fewer than eight hours away from the hospital by residents in their final years of education must be monitored by the program director.
- VI.G.5.c).(1).(b)** The Review Committee defines such circumstances as: required continuity of care for a severely ill or unstable patient, or a complex patient with whom the fellow has been involved; events of exceptional educational value; or, humanistic attention to the needs of a patient or family.
- VI.G.6.** **Maximum Frequency of In-House Night Float**
- Fellows must not be scheduled for more than six consecutive nights of night float.
- VI.G.7.** **Maximum In-House On-Call Frequency**
- PGY-2 residents and above must be scheduled for in-house call no more frequently than every-third-night (when averaged over a four-week period).

VI.G.8. At-Home Call

VI.G.8.a) Time spent in the hospital by fellows on at-home call must count towards the 80-hour maximum weekly hour limit. The frequency of at-home call is not subject to the every-third-night limitation, but must satisfy the requirement for one-day-in-seven free of duty, when averaged over four weeks.

VI.G.8.a).(1) At-home call must not be so frequent or taxing as to preclude rest or reasonable personal time for each fellow.

VI.G.8.b) Fellows are permitted to return to the hospital while on at-home call to care for new or established patients. Each episode of this type of care, while it must be included in the 80-hour weekly maximum, will not initiate a new “off-duty period”.

VII. Innovative Projects

Requests for innovative projects that may deviate from the institutional, common and/or specialty specific program requirements must be approved in advance by the Review Committee. In preparing requests, the program director must follow Procedures for Approving Proposals for Innovative Projects located in the ACGME Manual on Policies and Procedures. Once a Review Committee approves a project, the sponsoring institution and program are jointly responsible for the quality of education offered to fellows for the duration of such a project.

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