



ACGME International

**Advanced Specialty Program Requirements for
Graduate Medical Education in
Ophthalmology**

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Graduate Medical Education
in Ophthalmology**

Int. Introduction

Background and Intent: Programs must achieve and maintain Foundational Accreditation according to the ACGME-I Foundational Requirements prior to receiving Advanced Specialty Accreditation. The Advanced Specialty Requirements noted below complement the ACGME-I Foundational Requirements. For each section, the Advanced Specialty Requirements should be considered together with the Foundational Requirements.

Int. I. Definition and Scope of the Specialty

~~The surgical specialty of ophthalmology focuses on ophthalmic diseases and ocular surgery.~~

Ophthalmology is a medical and surgical specialty dedicated to the comprehensive care of patients with disorders of the eye, adnexa, visual system, and surrounding facial structures. Ophthalmologists apply knowledge of systemic health, optics, and visual science to diagnose, manage, and treat ocular diseases and refractive disorders, preserving and restoring vision across all ages.

Ophthalmologists integrate clinical history, examination, imaging, and laboratory data to manage a wide range of eye conditions. They work with multidisciplinary eye care teams, including optometrists, orthoptists, ophthalmic nurses, technicians, and other allied professionals, and with primary care physicians and other specialties to ensure continuity, integration, and coordination of services through a safe, patient-centered approach.

Providing holistic care, ophthalmologists consider the visual, functional, psychological, social, and environmental dimensions of health, acknowledging broader medical and life circumstances that influence well-being. They communicate effectively with patients, patients' families, and colleagues to support shared decision-making that respects cultural values. They advocate for equitable access to services while promoting community awareness of eye health through prevention, early treatment, and rehabilitation initiatives.

Ophthalmologists lead eye care and interdisciplinary teams with professionalism, empathy, and cultural sensitivity. They uphold ethical standards; practice cost-conscious, high-value care; and pursue lifelong learning. Through evidence- and data-informed practice, engagement with research and innovation, and adoption of emerging technologies, they continually adapt to meet the evolving needs of their patients, their profession, and the global eye health community.

Int. II. Duration of Education

Int. II.A. The educational program in ophthalmology must be 36 or 48 months in length.

Int. II.A.1. The program may include an additional 12 months of education in fundamental clinical skills of medicine.

I. Institution

I.A. Sponsoring Institution

See International Foundational Requirements, Section I.A.

I.B. Participating Sites

~~I.B.1. There should be formal teaching case presentations at each participating site to ensure optimal utilization of patients for teaching purposes.~~

~~I.B.1.a) Alternatively, cases should be brought from participating sites to the Sponsoring Institution for presentation if formal teaching case presentations are held only there.~~

I.B.1. Each participating site must ensure that residents engage in structured academic and case-based learning activities that optimize the educational value of patients seen at that site.

I.B.1.a) Participating sites must facilitate resident participation, whether in person, virtually, or through other approved means, to maintain academic integration and consistency across all participating sites.

I.B.1.b) Assignments at participating sites must provide a quality educational experience comparable to that of the Sponsoring Institution's primary clinical site, consistent with the educational standards and expectations established by the Sponsoring Institution.

I.B.1.c) Each participating site must offer sufficient opportunities for patient follow-up to support continuity of care.

I.B.1.d) Participating sites must ensure that rotations are organized and supported in ways that safeguard resident well-being, provide appropriate on-site facilities, and ensure reasonable access to teaching and supervision.

II. Program Personnel and Resources

II.A. Program Director

II.A.1. The program director should have a term of appointment of at least three years.

II.B. Faculty

II.B.1. The program must have access to ~~members of the faculty~~ members who must possess expertise across a broad range of ophthalmic disciplines, including:

II.B.1.a) contact lens;

II.B.1.b) external disease and cornea;

- 104
105 II.B.1.c) glaucoma, cataract, and anterior segment;
106
107 II.B.1.d) neuro-ophthalmology;
108
109 II.B.1.e) oculofacial plastic surgery and orbital diseases reconstructive
110 surgery;
111
112 II.B.1.f) ophthalmic pathology;
113
114 II.B.1.g) optics, visual physiology, and corrections of refractive errors;
115
116 II.B.1.h) pediatric ophthalmology and strabismus;
117
118 II.B.1.i) retina, vitreous, and uvea;
119
120 II.B.1.j) uveitis; and,
121
122 II.B.1.k) visual rehabilitation.
123

124 **III.B. Other Program Personnel**

125
126 See International Foundational Requirements, Section II.C.
127

128 **III.C. Resources**

129 **III.C.1. Ambulatory**

130
131
132 III.C.1.a) The outpatient area of each participating site must have a minimum
133 of one fully equipped examination lane for each resident in the clinic.
134

135 III.C.1.b) ~~There must be access to state-of-the-art diagnostic equipment for~~
136 ~~ophthalmic photography (including fluorescein angiography),~~
137 ~~perimetry, ultrasonography, keratometry, and retinal~~
138 ~~electrophysiology, as well as other appropriate equipment.~~
139 Residents must have access to core diagnostic and imaging
140 equipment, including ophthalmic photography (with fluorescein
141 angiography), perimetry, ultrasonography, biometry, keratometry,
142 pachymetry, corneal topography or tomography, and optical
143 coherence tomography (OCT).
144

145 III.C.1.c) Access to specialized diagnostic modalities, such as retinal
146 electrophysiology and other advanced imaging technologies, should
147 be available through the Sponsoring Institution or at participating
148 sites.
149

150 **III.C.2. Inpatient**

151
152 III.C.2.a) There must be an adequate volume and variety of adult and
153 pediatric clinical ophthalmological problems representing the entire
154 spectrum of ophthalmic diseases so that residents can develop
155 diagnostic, therapeutic, and manual skills and judge the
156 appropriateness of treatment.

- III.C.2.b) The surgical facilities at each participating site must include at least one operating room fully equipped for ophthalmic surgery, including an operating microscope.
- III.C.2.c) ~~An eye examination room with a slit lamp should be easily accessible. Each participating site where residents provide ophthalmology care, including inpatient, emergency, and intensive care settings, must have ready access to the essential equipment required for a comprehensive eye examination, including a slit lamp, indirect ophthalmoscope, and basic diagnostic instruments.~~
- III.C.2.d) Residents should have access to a simulated operative setting (e.g., a wet lab) to allow them to develop competence in basic surgical techniques.
- III. Resident Appointment**
- III.A. Eligibility Criteria**
- III.A.1. Residents must have successfully completed 12 months of a broad-based clinical program (PGY-1) that is:
- III.A.1.a) accredited by the ACGME International (ACGME-I), the ACGME, or the Royal College of Physicians and Surgeons of Canada in preliminary general surgery, preliminary internal medicine, or the transitional year; or,
- III.A.1.b) at the discretion of the Review Committee-International, a program for which a governmental or regulatory body is responsible for maintenance of a curriculum providing clinical and didactic experiences to develop competence in the fundamental clinical skills of medicine; or,
- III.A.1.b).(1) A categorical residency that accept candidates from these programs must complete an evaluation of each resident's fundamental clinical skills within six weeks of matriculation and must provide remediation to residents as needed.
- III.A.1.c) integrated into the residency where the program director must oversee and ensure the quality of didactic and clinical education.
- III.A.2. The PGY-1 must be completed in a structured program in which residents are educated in high-quality medical care based on scientific knowledge, evidence-based medicine, and sound teaching by qualified educators.
- III.A.3. With appropriate supervision, PGY-1 residents must have first-contact responsibility for evaluation and management for all types and acuity levels of patients.
- III.A.4. PGY-1 residents must have responsibility for decision-making and direct

210		patient care in all settings, to include writing of orders, progress notes,
211		and relevant records.
212		
213	III.A.5.	Residents must develop competence in the following fundamental
214		clinical skills during the PGY-1:
215		
216	III.A.5.a)	obtaining a comprehensive medical history;
217		
218	III.A.5.b)	performing a comprehensive physical examination;
219		
220	III.A.5.c)	assessing a patient's medical condition;
221		
222	III.A.5.d)	making appropriate use of diagnostic studies and tests;
223		
224	III.A.5.e)	integrating information to develop a differential diagnosis; and,
225		
226	III.A.5.f)	developing, implementing, and evaluating a treatment plan.
227		
228	III.B.	Number of Residents
229		
230	III.B.1.	There must be at least two residents in each year of the program.
231		
232	III.C.	Resident Transfers
233		
234		See International Foundational Requirements, Section III.C.
235		
236	III.D.	Appointment of Fellows and Other Learners
237		
238		See International Foundational Requirements, Section III.D.
239		
240	IV.	Specialty-Specific Educational Program
241		
242	IV.A.	ACGME-I Competencies
243		
244	IV.A.1.	The program must integrate the following ACGME-I Competencies into
245		the curriculum.
246		
247	IV.A.1.a)	Professionalism
248		
249	IV.A.1.a).(1)	Residents must demonstrate a commitment to
250		professionalism and an adherence to ethical principles.
251		Residents must demonstrate:
252		
253	IV.A.1.a).(1).(a)	compassion, integrity, and respect for others;
254		
255	IV.A.1.a).(1).(b)	responsiveness to patient needs that supersedes
256		self-interest;
257		
258	IV.A.1.a).(1).(c)	respect for patient privacy and autonomy;
259		
260	IV.A.1.a).(1).(d)	accountability to patients, society, and the
261		profession;
262		

263	IV.A.1.a).(1).(e)	sensitivity and responsiveness to a diverse patient
264		population, including to diversity in gender, age,
265		culture, race, religion, disabilities, and sexual
266		orientation;
267		
268	IV.A.1.a).(1).(f)	<u>awareness of and commitment to maintaining</u>
269		<u>personal and professional well-being; and,</u>
270		
271	IV.a.1.a).(1).(g)	<u>recognition, disclosure, and appropriate management</u>
272		<u>of conflicts or dualities of interest.</u>
273		
274	IV.A.1.b)	Patient Care and Procedural Skills
275		
276	IV.A.1.b).(1)	Residents must provide patient care that is compassionate,
277		appropriate, and effective for the treatment of health
278		problems and the promotion of health. Residents must
279		demonstrate competence in:
280		
281	IV.A.1.b).(1).(a)	<u>providing emergent, routine, and preventive</u>
282		<u>ophthalmic care across outpatient, inpatient, and</u>
283		<u>surgical settings;</u>
284		
285	IV.A.1.b).(1).(b)	<u>performing and interpreting comprehensive eye</u>
286		<u>examinations in adults and children, including</u>
287		<u>evaluation of visual function, slit-lamp biomicroscopy,</u>
288		<u>direct and indirect ophthalmoscopy, sensorimotor</u>
289		<u>examination, and refraction;</u>
290		
291	IV.A.1.b).(1).(c)	<u>selecting, appropriately using, and accurately</u>
292		<u>interpreting ophthalmic and related diagnostic</u>
293		<u>modalities, including ophthalmic imaging, visual</u>
294		<u>functional testing, and laboratory or radiologic</u>
295		<u>investigations; and integrating these findings into</u>
296		<u>clinical decision-making;</u>
297		
298	IV.A.1.b).(1).(d)	<u>applying critical thinking in formulating differential</u>
299		<u>diagnoses, prioritizing management plans, and using</u>
300		<u>evidence-based approaches to patient care;</u>
301		
302	IV.A.1.b).(1).(e)	<u>conducting comprehensive pre-, intra-, and post-</u>
303		<u>operative management, including;</u>
304		
305	IV.A.1.b).(1).(e).(i)	<u>administering safe local ophthalmic</u>
306		<u>anesthesia (peribulbar, retrobulbar, or sub-</u>
307		<u>Tenon's blocks), selection of anesthetic</u>
308		<u>technique, and coordination with anesthesia</u>
309		<u>teams; and,</u>
310		
311	IV.A.1.b).(1).(e). (ii)	<u>conducting risk assessment, procedure</u>
312		<u>selection, informed consent, complication</u>
313		<u>management, and patient-centered</u>
314		<u>communication as primary surgeon according</u>
315		<u>to the minimum requirements set by the</u>

316		<u>Review Committee-International.</u>
317		
318	IV.A.1.b).(1).(f)	<u>understanding the relationship between systemic and</u>
319		<u>ophthalmic conditions and collaborating effectively</u>
320		<u>with other medical and surgical specialties in the</u>
321		<u>management of complex patients; and,</u>
322		
323	IV.A.1.b).(1).(g)	<u>recognizing and addressing barriers to equitable</u>
324		<u>access and continuity of eye care, including</u>
325		<u>geographic, socioeconomic, or systemic factors and</u>
326		<u>contributing to community initiatives that promote</u>
327		<u>visual health and the prevention of avoidable</u>
328		<u>blindness.</u>
329		
330	IV.A.1.b).(1).(a)	technical and patient care responsibilities as
331		primary surgeon, including for treatment of:
332		
333	IV.A.1.b).(1).(a).(i)	cataract;
334		
335	IV.A.1.b).(1).(a).(ii)	strabismus;
336		
337	IV.A.1.b).(1).(a).(iii)	cornea;
338		
339	IV.A.1.b).(1).(a).(iv)	glaucoma;
340		
341	IV.A.1.b).(1).(a).(v)	glaucoma laser;
342		
343	IV.A.1.b).(1).(a).(vi)	retina/vitreous;
344		
345	IV.A.1.b).(1).(a).(vii)	oculoplastic/orbit; and,
346		
347	IV.A.1.b).(1).(a).(viii)	global trauma.
348		
349	IV.A.1.b).(1).(b)	optics, visual physiology, and corrections of
350		refractive errors;
351		
352	IV.A.1.b).(1).(c)	retina/uvea;
353		
354	IV.A.1.b).(1).(d)	neuro-ophthalmology;
355		
356	IV.A.1.b).(1).(e)	pediatric ophthalmology;
357		
358	IV.A.1.b).(1).(f)	anterior segment;
359		
360	IV.A.1.b).(1).(g)	orbital diseases;
361		
362	IV.A.1.b).(1).(h)	ophthalmic pathology;
363		
364	IV.A.1.b).(1).(i)	intra-operative skills;
365		
366	IV.A.1.b).(1).(j)	managing systemic and ocular complications that
367		may be associated with surgery and anesthesia;

IV.A.1.b).(1).(k) providing acute and long-term post-operative care;
and,

IV.A.1.b).(1).(l) using local and general anesthetics.

IV.A.1.c) Medical Knowledge

IV.A.1.c).(1) Residents must demonstrate knowledge of established and evolving biomedical clinical, epidemiological, and social-behavioral sciences and as well as the apply application of this knowledge to patient care. Residents must demonstrate knowledge of:

IV.A.1.c).(1).(a) basic and clinical sciences specific to ophthalmology;

IV.A.1.c).(1).(b) optics, visual anatomy, physiology, pharmacology, immunology, microbiology, genetics, optics, epidemiology, and the interactions between ocular and systemic disease; corrections of refractive errors;

IV.A.1.c).(1).(c) retina, vitreous, and uvea

IV.A.1.c).(1).(d) neuro-ophthalmology;

IV.A.1.c).(1).(e) pediatric ophthalmology and strabismus;

IV.A.1.c).(1).(f) ~~external disease and cornea;~~

IV.A.1.c).(1).(g) glaucoma, cataract, and anterior segment;

IV.A.1.c).(1).(h) oculoplastic surgery and orbital diseases; and,

IV.A.1.c).(1).(i) ophthalmic pathology; and,

IV.A.1.c).(1).(c) clinical optics, visual physiology, and corrections of refractive errors;

IV.A.1.c).(1).(d) major and related ophthalmic subspecialties, including retina, vitreous and uvea, neuro-ophthalmology, pediatric ophthalmology and strabismus, cornea and external disease, glaucoma, cataract and anterior segment, oculoplastic and orbital surgery, ophthalmic pathology, ocular oncology, visual rehabilitation, and community ophthalmology;

IV.A.1.c).(1).(e) principles and physics of ophthalmic instruments and systems (e.g., phacoemulsification, lasers, optical coherence tomography, and other established and emerging diagnostic and surgical technologies);

420		
421	IV.A.1.c).(1).(f)	<u>principles and appropriate application of</u>
422		<u>teleophthalmology and digital health platforms for</u>
423		<u>screening, monitoring, and remote care, including the</u>
424		<u>interpretation and quality assurance of images and</u>
425		<u>data and referral processes;</u>
426		
427	IV.A.1.c).(1).(g)	<u>referral processes, and awareness of artificial</u>
428		<u>intelligence (AI)-based diagnostic tools and their</u>
429		<u>ethical application;</u>
430		
431	IV.A.1.c).(1).(h)	<u>critical appraisal of new diagnostic entities, medical</u>
432		<u>and surgical treatments, and technologies, including</u>
433		<u>assessment of scientific evidence, clinical</u>
434		<u>effectiveness, ethical and societal implications, cost</u>
435		<u>considerations, and their impact on equity and access</u>
436		<u>to care; and,</u>
437		
438	IV.A.1.c).(1).(i)	<u>indications, and peri-, and post-operative</u>
439		<u>considerations for all surgical procedures,</u>
440		<u>including recognition and management of</u>
441		<u>complications and intra-operative decision-making.</u>
442		
443	IV.A.1.d)	Practice-Based Learning and Improvement
444		
445	IV.A.1.d).(1)	Residents must demonstrate the ability to investigate and
446		evaluate their care of patients, to appraise and assimilate
447		scientific evidence, and to continuously improve patient
448		care based on constant self-evaluation and lifelong
449		learning. Residents are expected to develop skills and
450		habits to be able to meet the following goals:
451		
452	IV.A.1.d).(1).(a)	identify strengths, deficiencies, and limits in one's
453		knowledge and expertise;
454		
455	IV.A.1.d).(1).(b)	identify and perform appropriate learning activities;
456		
457	IV.A.1.d).(1).(c)	incorporate formative evaluation feedback into daily
458		practice;
459		
460	IV.A.1.d).(1).(d)	locate, appraise, and assimilate evidence from
461		scientific studies related to their patients' health
462		problems;
463		
464	IV.A.1.d).(1).(e)	participate in the education of patients, patients'
465		families, students, residents, and other health
466		professionals;
467		
468	IV.A.1.d).(1).(f)	set learning and improvement goals;
469		
470	IV.A.1.d).(1).(g)	systematically analyze practice using quality
471		improvement methods, and implement changes
472		with the goal of practice improvement;

473		
474	IV.A.1.d).(1).(h)	use information technology to optimize learning; and,
475		
476	IV.A.1.d).(1).(i)	<u>demonstrate the ability to learn, evaluate, and apply</u>
477		<u>new diagnostic and therapeutic advances in</u>
478		<u>ophthalmology in a manner consistent with current</u>
479		<u>evidence, patient safety, and available resources.</u>
480		
481	IV.A.1.e)	Interpersonal and Communication Skills
482		
483	IV.A.1.e).(1)	Residents must demonstrate interpersonal and
484		communication skills that result in the effective exchange
485		of information and collaboration with patients, their
486		families, and health professionals. Residents must:
487		
488	IV.A.1.e).(1).(a)	communicate effectively with patients, patients'
489		families, and the public, as appropriate, across a
490		broad range of socioeconomic and cultural
491		backgrounds;
492		
493	IV.A.1.e).(1).(b)	communicate effectively with physicians, other
494		health professionals, and health-related agencies;
495		
496	IV.A.1.e).(1).(c)	work effectively as <u>both a member-or and a</u>
497		<u>leader of a-interprofessional health care teams, or</u>
498		<u>other professional group-including with</u>
499		<u>optometrists, ophthalmic technicians, nurses, and</u>
500		<u>other allied professionals, by communicating</u>
501		<u>clearly, coordinating responsibilities, setting</u>
502		<u>shared goals, and incorporating feedback to</u>
503		<u>improve team function;</u>
504		
505	IV.A.1.e).(1).(d)	act in a consultative role to other physicians and
506		health professionals;
507		
508	IV.A.1.e).(1).(e)	maintain comprehensive, timely, and legible
509		medical records, if applicable;
510		
511	IV.A.1.e).(1).(f)	provide inpatient and outpatient consultation
512		during the course of three years of education;
513		
514	IV.A.1.e).(1).(h)	<u>effectively communicate unexpected</u>
515		<u>diagnoses, adverse outcomes, or procedural</u>
516		<u>complications with patients and/or patients'</u>
517		<u>caregivers with empathy, honesty, and</u>
518		<u>professionalism, involving supervising faculty</u>
519		<u>members as appropriate;</u>
520		
521	IV.A.1.e).(1).(i)	<u>understand principles of patient-centered</u>
522		<u>communication related to informed consent</u>
523		<u>and post-operative counseling; and,</u>
524		
525	IV.A.1.e).(1).(j)	<u>demonstrate professionalism and self-</u>

advocacy when managing difficult interactions, including disrespectful or inappropriate behavior by patients, patients' families, or members of the care team.

IV.A.1.f) Systems-Based Practice

IV.A.1.f).(1) Residents 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. Residents must:

IV.A.1.f).(1).(a) work effectively in various health care delivery settings and systems relevant to their clinical specialty;

IV.A.1.f).(1).(b) coordinate patient care within the health care system relevant to their clinical specialty;

IV.A.1.f).(1).(c) incorporate considerations of cost awareness and risk-benefit analysis in patient and/or population-based care as appropriate;

IV.A.1.f).(1).(d) advocate for quality patient care and optimal patient care systems that enhance visual function, patient safety, and quality of life;

IV.A.1.f).(1).(e) work in interprofessional teams to enhance patient safety and improve patient care quality;

IV.A.1.f).(1).(f) participate in identifying system errors and implementing potential systems solutions; and,

IV.A.1.f).(1).(g) demonstrate the ability to identify and use available health system and community resources to address social, economic, and environmental factors that affect patients' eye health and access to care.

IV.B. Regularly Scheduled Educational Activities

IV.B.1. If it includes an integrated PGY-1, the educational program must contain regularly scheduled didactic sessions that enhance and correspond to the residents' fundamental clinical skills education.

IV.B.2. The following topics must be covered during the educational program: optics, visual physiology, and corrections of refractive errors; retina, vitreous, and uvea; neuro-ophthalmology; pediatric ophthalmology and strabismus; external disease and cornea; glaucoma, cataract, and anterior segment; oculoplastic surgery and orbital diseases; and ophthalmic pathology.

IV.B.3. There must be a structured and regularly scheduled series of
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579		conferences and lectures on basic and clinical <u>ophthalmic sciences,</u>
580		<u>directed by faculty members and delivered through in-person or virtual,</u>
581		<u>synchronous or asynchronous formats, as appropriate to program</u>
582		<u>resources and educational objectives, to promote accessibility and</u>
583		<u>support continuous learning.</u>
584		
585	IV.B.4.	There must be didactic sessions in practice management, <u>health economics</u>
586		<u>and resource stewardship, ethics, leadership development, advocacy,</u>
587		<u>visual rehabilitation, and socioeconomics care for patients with</u>
588		<u>disabilities, social determinants of health, and care for vulnerable</u>
589		<u>populations.</u>
590		
591	IV.B.5.	<u>Additional topics should include environmental sustainability and</u>
592		<u>responsible resource use in ophthalmic practice, and the principles and</u>
593		<u>workflows of teleophthalmology and digital health, including the safe and</u>
594		<u>ethical application of emerging technologies, such as AI.</u>
595		
596	IV.B.6.	Residents must regularly attend all required didactic and clinical
597		conferences.
598		
599	IV.B.7.	The formal didactic series should be a minimum of 360 hours.
600		
601	IV.B.7.a)	At least 200 of these hours must be provided at the primary clinical
602		site. These activities must include case discussions, morbidity and
603		mortality reviews, multidisciplinary meetings, or other comparable
604		teaching formats appropriate to the site's scope of practice.
605		
606	IV.B.7.b)	At least six <u>four</u> hours per month should be devoted to case
607		presentation conferences (e.g., grand rounds, continuous quality
608		improvement) attended by several members of the faculty and
609		majority of the residents.
610		
611	IV.C.	Clinical Experiences
612	IV.C.1.	If the program includes an integrated PGY-1, this experience must include
613		a minimum of 11 months of direct patient care.
614		
615	IV.C.1.a)	During the integrated PGY-1, each resident's experiences must
616		include responsibility for patient care commensurate with the
617		resident's ability.
618		
619	IV.C.1.a).(1)	Residents must have responsibility for decision-making
620		and direct patient care in all settings, subject to review and
621		approval by senior-level residents and/or attending
622		physicians, to include planning care and writing orders,
623		progress notes, and relevant records.
624		
625	IV.C.1.b)	At a minimum, 28 weeks must be in rotations provided by a
626		discipline or disciplines that offer fundamental clinical skills in the
627		primary specialties, such as emergency medicine, family medicine,
628		general surgery, internal medicine, obstetrics and gynecology, or
629		pediatrics.
630		

631	IV.C.1.b).(1)	Subspecialty experiences, with the exception of critical
632		care unit experiences, must not be used to meet
633		fundamental clinical skills curriculum requirements.
634		
635	IV.C.1.b).(2)	Each experience must be at minimum a four-week
636		continuous block.
637		
638	IV.C.1.c)	At a minimum, residents must have 140 hours of experience in
639		ambulatory care in family medicine or primary care internal
640		medicine, general surgery, obstetrics and gynecology, or
641		pediatrics.
642		
643	IV.C.1.d)	Residents must have a maximum of 20 weeks of elective
644		experiences.
645		
646	IV.C.1.d).(1)	Elective rotations should be determined by the educational
647		needs of each individual resident.
648		
649	IV.C.2.	<u>Residents must participate in pre-operative decision making and</u>
650		<u>subsequent operative procedures, as well as post-surgical care and</u>
651		<u>follow-up evaluation of their patients.</u>
652		
653	IV.C.3.	Residents must have the opportunity to develop competence in:
654		
655	IV.C.3.a)	pre-operative ophthalmic and general medical evaluation and
656		assessment of indications for surgery and surgical risks and
657		benefits;
658		
659	IV.C.3.b)	obtaining informed consent;
660		
661	IV.C.3.c)	intra-operative skills;
662		
663	IV.C.3.d)	local and general anesthetic considerations;
664		
665	IV.C.3.e)	acute and longer-term post-operative care; and,
666		
667	IV.C.3.f)	management of systemic and ocular complications that may be
668		associated with surgery and anesthesia.
669		
670	IV.C.4.	Residents must participate in a minimum of 3,000 outpatient visits in which
671		they perform a substantial portion of the examination.
672		
673	IV.C.4.a)	Outpatients must represent a broad range of ophthalmic diseases.
674		
675	IV.C.5.	By completion of the residency, each resident must have completed each
676		of these procedures as primary surgeon:
677		
678	IV.C.5.a)	cataract,
679		
680	IV.C.5.b)	strabismus,
681		
682	IV.C.5.c)	corneal surgery,
683		

684	IV.C.5.d)	glaucoma,
685		
686	IV.C.5.e)	glaucoma laser,
687		
688	IV.C.5.f)	other retinal,
689		
690	IV.C.5.g)	oculoplastic/orbital, and
691		
692	IV.C.5.h)	globe trauma.
693		
694	IV.C.6.	<u>Residents must have surgical skills instruction in a simulated setting (e.g.,</u>
695		<u>wet lab, model eyes, simulator), including a structured curriculum.</u>
696		
697	IV.C.7.	<u>Residents must have experience operating ophthalmic equipment that is</u>
698		<u>used to perform biometry, corneal topography/tomography, fundus</u>
699		<u>photography, laser procedures, ophthalmic ultrasound, optical coherence</u>
700		<u>tomography, perimetry, and phacoemulsification.</u>
701		
702	IV.C.7.	Residents should have a minimum of 36 hours of experience in gross and
703		microscopic examination of pathological specimens through conferences
704		and/or study sets in addition to their review of pathological specimens of
705		their own patients with a pathologist who has demonstrated expertise in
706		ophthalmic pathology.
707		
708	IV.C.8.	By completion of the residency, each resident must have completed the
709		following procedures as either primary surgeon or first assistant:
710		
711	IV.C.8.a)	refractive surgery; and,
712		
713	IV.C.8.b)	retina/vitreous.
714		
715	IV.C.9.	By completion of the residency, each resident should complete at least
716		364 total surgical procedures <u>Each graduating resident must have</u>
717		<u>performed and/or assisted in the minimum number of essential</u>
718		<u>operative cases and case categories as established by the Review</u>
719		<u>Committee-International.</u>
720		
721	IV.D.	Scholarly Activity
722		
723		See International Foundational Requirements, Section IV.D.
724		
725	V.	Evaluation
726		
727	V.A.	Resident Evaluation
728		
729	V.A.1.	<u>The program should include structured, standardized assessments of</u>
730		<u>ophthalmic knowledge as part of the evaluation of residents' cognitive</u>
731		<u>progress.</u>
732		
733	V.B.	Clinical Competency Committee
734		
735		See International Foundational Requirements, Section V.B.
736		

737	V.C.	Faculty Evaluation
738		
739		See International Foundational Requirements, Section V.C.
740		
741	V.D.	Program Evaluation and Improvement
742		
743		See International Foundational Requirements, Section V.D.
744		
745	V.E.	Program Evaluation Committee
746		
747		See International Foundational Requirements, Section V.E.
748		
749	VI.	The Learning and Working Environment
750		
751	VI.A.	Principles
752		
753		See International Foundational Requirements, Section VI.A.
754		
755	VI.B.	Patient Safety
756		
757		See International Foundational Requirements, Section VI.B.
758	VI.C.	Quality Improvement
759		
760		See International Foundational Requirements, Section VI.C.
761		
762	VI.D.	Supervision and Accountability
763		
764	VI.D.1.	Faculty members must provide direct supervision or be on site and readily available to see any patient.
765		
766		
767	VI.D.1.a)	Direct supervision must include the resident serving as primary
768		care provider with the faculty member present followed by resident
769		and faculty member collaboration to determine management.
770		
771	VI.D.2.	<u>The program's supervision policy must describe resident responsibilities</u>
772		<u>for patient care and faculty member responsibilities for supervision,</u>
773		<u>including levels of supervision, escalation pathways, and after-hours</u>
774		<u>coverage.</u>
775		
776	VI.D.3.	<u>Telecommunication technology may be used to support supervision in</u>
777		<u>ambulatory or consultative settings when appropriate, provided that patient</u>
778		<u>safety and quality of care are not compromised.</u>
779		
780	VI.E.	Professionalism
781		
782		See International Foundational Requirements, Section VI.E.
783		
784	VI.F.	Well-Being
785		
786		See International Foundational Requirements, Section VI.F.
787		
788	VI.G.	Fatigue
789		

790		See International Foundational Requirements, Section VI.G.
791		
792	VI.H.	Transitions of Care
793		
794		See International Foundational Requirements, Section VI.H.
795		
796	VI.I.	Clinical Experience and Education
797		
798		See International Foundational Requirements, Section VI.I.
799		
800	VI.J.	On-Call Activities
801		
802		See International Foundational Requirements, Section VI.J.