The Complex General Surgical Oncology Milestone Project

A Joint Initiative of

The Accreditation Council for Graduate Medical Education,

and

The American Board of Surgery





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The Milestones are designed only for use in evaluation of fellows in the context of their participation in ACGME-accredited residency or fellowship programs. The Milestones provide a framework for assessment of the development of the fellow in key dimensions of the elements of physician competency in a specialty or subspecialty. They neither represent the entirety of the dimensions of the six domains of physician competency, nor are they designed to be relevant in any other context.

Complex General Surgical Oncology Milestones

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Milestone Reporting

This document presents milestones designed for programs to use in semi-annual review of fellow performance and reporting to the ACGME. Milestones are knowledge, skills, attitudes, and other attributes for each of the ACGME competencies organized in a developmental framework from less to more advanced. They are descriptors and targets for fellow performance as a fellow moves from entry into fellowship through graduation. In the initial years of implementation, the Review Committee will examine milestone performance data for each program's fellows as one element in the Next Accreditation System (NAS) to determine whether fellows overall are progressing.

For each period, review and reporting will involve selecting milestone levels that best describe a fellow's current performance and attributes. Milestones are arranged into numbered levels. Tracking from Level 1 to Level 5 is synonymous with moving from novice to expert in the subspecialty.

Selection of a level implies that the fellow substantially demonstrates the milestones in that level, as well as those in lower levels (see the diagram on page v).

- **Level 1:** The fellow demonstrates milestones expected of an incoming fellow with little experience in the area of study.
- **Level 2:** The fellow is advancing and demonstrates additional milestones, but is not yet performing at a mid-fellowship level.
- **Level 3:** The fellow continues to advance and demonstrate additional milestones, consistently including the majority of milestones targeted for fellowship.
- **Level 4:** The fellow has advanced so that he or she now substantially demonstrates the milestones targeted for fellowship. This level is designed as the graduation target.
- **Level 5:** The fellow has advanced beyond performance targets set for fellowship and is demonstrating "aspirational" goals which might describe the performance of someone who has been in practice for several years. It is expected that only a few exceptional fellows will reach this level.

Additional Notes

Level 4 is designed as the graduation *target* and *does not* represent a graduation *requirement*. Making decisions about readiness for graduation is the purview of the fellowship program director. Study of Milestone performance data will be required before the ACGME and its partners will be able to determine whether milestones in the first four levels appropriately represent the developmental framework, and whether Milestone data are of sufficient quality to be used for high-stakes decisions.

Examples are provided with some milestones. Please note that the examples are not the required element or outcome; they are provided as a way to share the intent of the element.

Some milestone descriptions include statements about performing independently. These activities must occur in conformity to ACGME supervision guidelines, as well as to institutional and program policies. For example, a fellow who performs a procedure independently must, at a minimum, be supervised through oversight.

In addition, some milestones include a statement of limited knowledge and basic knowledge. The intent of these descriptions is that a fellow with limited knowledge is likely a fellow who has come from an area outside of surgery or who is completing the fellowship before finishing his or her surgery residency. A fellow who begins the program with basic knowledge will more likely have completed a general surgery residency program.

Answers to Frequently Asked Questions about the Next Accreditation System and Milestones are posted on the Next Accreditation System section of the ACGME website.

The diagram below presents an example set of milestones for one sub-competency in the same format as the ACGME Report Worksheet. For each reporting period, a fellow's performance on the milestones for each sub-competency will be indicated by selecting the level of milestones that best describes that fellow's performance in relation to those milestones.

Patient Care - Endocrine	Head and Neck: Evaluation a	and Multimodality Care		
Level 1	Level 2	Level 3	Level4	Level 5
Develops appropriate differential diagnosis Understands appropriate diagnostic evaluation and basic imaging Understands need and engagement of multidisciplinary specialties Understands advantages and disadvantages of using practice guidelines	Effectively narrows differential diagnosis; ensures that appropriate imaging and other testing has been completed Performs appropriate work-up of disease Utilizes multidisciplinary specialties for technical aspects of care Utilizes practice guidelines and identifies relevant clinical trials	Makes a diagnosis based on imaging and test results Reevaluates a differential diagnosis when imaging and/or other testing are inconclusive or discordant Makes appropriate referrals for postoperative evaluation and treatment (e.g., hormonal therapy, radioiodine whole body scanning and ablative therapy and external radiation) Utilizes information provided by multidisciplinary specialties Considers eligibility for clinical trials	Efficiently utilizes imaging and test results to make therapeutic recommendations Makes appropriate recommendations for surgical and medical treatment Appropriately prioritizes treatment options based on organ, tumor, and patient factors Advocates for patient participation in clinical trials	Independently acts as a consultant in surgical oncology for other disciplines Actively recruits and enrolls patients in clinical trials
Comments:	7 7 7		R	
cting a response box in I implies that milestone wer levels have been su onstrated.	s in that level and	indic subs	cting a response box on to cates that milestones in locates that milestones are to the cate of the cat	ower levels have been

Patient Care – Hepatobiliary/Pancreas: Evaluation and Multimodality Care				
Level 1	Level 2	Level 3	Level 4	Level 5
Develops appropriate	Effectively narrows	Makes a diagnosis based on	Efficiently utilizes imaging	Independently acts as a
differential diagnosis	differential diagnosis; ensures	imaging and test results	and test results to make	consultant in surgical
Hardanda alaman adalah	that appropriate imaging and	Barrat at a saitte a stial	therapeutic	oncology for other
Understands appropriate	other testing has been	Reevaluates a differential	recommendations	disciplines
diagnostic evaluation and basic imaging	completed	diagnosis when imaging and/or other testing are	Makes appropriate	Actively recruits and enrolls
basic imaging	Performs appropriate work-	inconclusive or discordant	recommendations for	patients in clinical trials
Understands need and	up of disease	inconclusive of discordant	sequencing of treatment	patients in clinical trials
engagement of	up of discuse	Makes appropriate referrals	(surgical and medical)	
multidisciplinary specialties	Utilizes multidisciplinary	for rehabilitation and	(surgicul and medicul)	
, , , , , , , , , , , , , , , , , , ,	specialties for technical	palliative care	Appropriately prioritizes	
Understands advantages	aspects of care	•	treatment options based on	
and disadvantages of using		Utilizes information provided	organ, disease, and patient	
practice guidelines	Utilizes practice guidelines	by multidisciplinary	factors	
	and identifies relevant clinical	specialties		
	trials		Advocates for patient	
		Considers eligibility for clinical	participation in clinical trials	
		trials		
Comments:			N	Not yet achieved Level 1

Patient Care – Hepatobilia	Patient Care – Hepatobiliary/Pancreas: Technical Aspects of Surgical Interventions			
Level 1	Level 2	Level 3	Level 4	Level 5
Demonstrates respect for tissue, and is developing skill in instrument handling	Performs procedures with significant supervision Handles most instruments	Moves through most steps of most operations with minimal coaching, and makes appropriate intra-operative	Proficiently handles instruments and equipment, uses assistants, guides the conduct of the operation,	Achieves mastery of instrument and equipment handling, using assistants, guiding the conduct of the
Moves through portions of common operations without coaching, and makes straightforward intra-operative decisions	and devices with increasing efficiency of motion during procedures	decisions Performs common procedures with limited supervision	and makes independent intra-operative decisions Independently performs procedures	operation, and making independent intra-operative decisions Competently teaches and
Demonstrates the ability to be an effective assistant with common procedures				supervises other learners
Comments:			N	Not yet achieved Level 1

evelops appropriate			Level 4	Level 5
	Effectively narrows	Makes a diagnosis based on	Efficiently utilizes imaging	Independently acts as a
ferential diagnosis	differential diagnosis; ensures	imaging and test results	and test results to make	consultant in surgical
_	that appropriate imaging and		therapeutic	oncology for other
nderstands appropriate	other testing has been	Reevaluates a differential	recommendations	disciplines
agnostic evaluation and	completed	diagnosis when imaging		
sic imaging		and/or other testing are	Makes appropriate	Actively recruits and enrolls
	Performs appropriate work-	inconclusive or discordant	recommendations for	patients in clinical trials
nderstands need and	up of disease		surgical and medical	
gagement of		Makes appropriate referrals	treatment	
ultidisciplinary specialties	Utilizes multidisciplinary	for post-operative evaluation		
	specialties for technical	and treatment (e.g.,	Appropriately prioritizes	
nderstands advantages	aspects of care	hormonal therapy,	treatment options based on	
d disadvantages of using	·	radioiodine whole body	organ, tumor, and patient	
actice guidelines	Utilizes practice guidelines	scanning, and ablative	factors	
-	and identifies relevant clinical	therapy and external		
	trials	radiation)	Advocates for patient	
		·	participation in clinical trials	
		Utilizes information provided	·	
		by multidisciplinary		
		specialties		
		•		
		Considers eligibility for clinical		
		trials		

Patient Care – Endocrine/	Patient Care – Endocrine/Head and Neck: Technical Aspects of Surgical Interventions			
Level 1	Level 2	Level 3	Level 4	Level 5
Demonstrates respect for tissue, and is developing skill in instrument handling	Performs procedures with significant supervision	Handles most instruments and devices with increasing efficiency of motion during	Proficiently handles instruments and equipment, uses assistants, guides the	Achieves mastery of instrument and equipment handling, using assistants,
Moves through portions of common operations without coaching, and makes straightforward intra-operative decisions Assists with procedures	Handles most instruments and devices with increasing efficiency of motion during procedures	procedures Moves through most steps of most operations without much coaching, and is making intra-operative decisions Performs procedures with limited supervision	conduct of the operation, and makes independent intra-operative decisions Independently performs procedures	guiding the conduct of the operation, and making independent intra-operative decisions Competently teaches and supervises other learners
Comments:	Comments: Not yet achieved Level 1			

Level 1	Level 2	Level 3	Level 4	Level 5
Develops appropriate	Effectively narrows	Makes a diagnosis based on	Efficiently utilizes imaging	Independently acts as a
differential diagnosis	differential diagnosis; ensures	imaging and test results	and test results to make	consultant in surgical
	that appropriate imaging and		therapeutic	oncology for other disciplines
Understands appropriate	other testing has been	Reevaluates a differential	recommendations	
diagnostic evaluation and	completed	diagnosis when imaging		Actively recruits and enrolls
basic imaging		and/or other testing are	Makes appropriate	patients in clinical trials
	Performs appropriate work-	inconclusive or discordant	recommendations for	
Understands need and	up of disease		sequencing of treatment	
engagement of		Makes appropriate referrals	(surgical and medical)	
multidisciplinary specialties	Utilizes multidisciplinary	for rehabilitation and		
	specialties for technical	palliative care	Appropriately prioritizes	
Understands advantages	aspects of care		treatment options based on	
and disadvantages of using		Utilizes information provided	organ, tumor, and patient	
practice guidelines	Utilizes practice guidelines	by multidisciplinary	factors	
	and identifies relevant clinical	specialties		
	trials		Advocates for patient	
		Considers eligibility for clinical	participation in clinical trials	
		trials		

Patient Care – Gastrointes	stinal/Gynecology/Thoracic: 1	Technical Aspects of Surgical I	nterventions		
Level 1	Level 2	Level 3	Level 4	Level 5	
Demonstrates respect for	Performs procedures with	Moves through most steps of	Proficiently handles	Achieves mastery of	
tissue, and is developing	significant supervision	most operations without	instruments and equipment,	instrument and equipment	
skill in instrument handling		much coaching, and is making	uses assistants, guides the	handling, using assistants,	
	Handles most instruments	intra-operative decisions	conduct of the operation,	guiding the conduct of the	
Moves through portions of	and devices with increasing		and makes independent	operation, and making	
common operations	efficiency of motion during	Performs procedures with	intra-operative decisions	independent intra-operative	
without coaching, and	procedures	limited supervision		decisions	
makes straightforward			Independently performs		
intra-operative decisions			procedures	Competently teaches and	
				supervises other learners	
Assists with procedures					
Comments:	Comments: Not yet achieved Level 1				

Level 1	Level 2	Level 3	Level 4	Level 5
Develops appropriate	Effectively narrows	Confirms a diagnosis based	Efficiently utilizes imaging	Independently acts as a
differential diagnosis	differential diagnosis; ensures	on imaging and test results	and test results to make	consultant in surgical
	that appropriate imaging and		therapeutic	oncology for other
Understands appropriate	other testing has been	Reevaluates a differential	recommendations	disciplines
diagnostic evaluation and	completed	diagnosis when imaging		
basic imaging		and/or other testing are	Makes appropriate	Actively recruits and enrolls
	Performs appropriate work-	inconclusive or discordant	recommendations for	patients in clinical trials
Understands need and	up of disease; ensures that		sequencing of treatment	
engagement of	appropriate imaging and	Makes appropriate referrals	(surgical and medical)	
multidisciplinary specialties	other testing has been	for rehabilitation		
	completed		Appropriately prioritizes	
Understands advantages		Utilizes information provided	treatment options based on	
and disadvantages of using	Utilizes multidisciplinary	by multidisciplinary	organ, tumor, and patient	
practice guidelines	specialties for technical	specialties	factors	
	aspects of care		Advantantant	
	Litilizas prostina svidalinas	Considers eligibility for clinical	Advocates for patient	
	Utilizes practice guidelines and identifies relevant clinical	trials	participation in clinical trials	
	trials			
	uiais			

Patient Care – Breast: Technical Aspects of Surgical Interventions				
Level 1	Level 2	Level 3	Level 4	Level 5
Demonstrates respect for	Performs procedures with	Moves through most steps of	Proficiently handles	Achieves mastery of
tissue, and is developing	significant supervision	most operations without	instruments and equipment,	instrument and equipment
skill in instrument handling	Handles most instruments	much coaching, and is making intra-operative decisions	uses assistants, guides the conduct of the operation,	handling, using assistants, guiding the conduct of the
Moves through portions of	and devices with increasing		and makes independent	operation, and making
common operations	efficiency of motion during	Performs procedures with	intra-operative decisions	independent intra-operative
without coaching, and	procedures	limited supervision	la de condenda en forma	decisions
makes straightforward intra-operative decisions			Independently performs procedures	Competently teaches and supervises other learners
Assists with procedures				
Comments:			N	lot yet achieved Level 1

Level 1	Level 2	Level 3	Level 4	Level 5
Develops appropriate	Effectively narrows	Makes a diagnosis based on	Efficiently utilizes imaging	Independently acts as a
differential diagnosis	differential diagnosis; ensures	imaging and test results	and test results to make	consultant in surgical
	that appropriate imaging and		therapeutic	oncology for other
Understands appropriate	other testing has been	Reevaluates a differential	recommendations	disciplines
diagnostic evaluation and	completed	diagnosis when imaging		
basic imaging		and/or other testing are	Makes appropriate	Actively recruits and enrolls
	Performs appropriate work-	inconclusive or discordant	recommendations for	patients in clinical trials
Understands need and	up of disease		sequencing of treatment	
engagement of		Makes appropriate referrals	(surgical and medical)	
multidisciplinary specialties	Utilizes multidisciplinary	for rehabilitation and		
	specialties for technical	palliative care	Appropriately prioritizes	
Understands advantages	aspects of care		treatment options based on	
and disadvantages of using		Utilizes information provided	organ, tumor, and patient	
practice guidelines	Utilizes practice guidelines	by multidisciplinary	factors	
	and identifies relevant clinical	specialties		
	trials		Advocates for patient	
		Considers eligibility for clinical	participation in clinical trials	
		trials		

Patient Care – Melanoma,	Patient Care – Melanoma, Sarcoma, Common and Rare Cutaneous and Soft Tissue Malignancies: Technical Aspects of Surgical Interventions			
Level 1	Level 2	Level 3	Level 4	Level 5
Demonstrates respect for tissue, and is developing skill in instrument handling Moves through portions of common operations without coaching, and makes straightforward intra-operative decisions Assists with procedures	Performs procedures with significant supervision Handles most instruments and devices with increasing efficiency of motion during procedures	Moves through most steps of most operations without much coaching, and is making intra-operative decisions Performs procedures with limited supervision	Proficiently handles instruments and equipment, uses assistants, guides the conduct of the operation, and makes independent intra-operative decisions Independently performs procedures	Achieves mastery of instrument and equipment handling, using assistants, guiding the conduct of the operation, and making independent intra-operative decisions Competently teaches and supervises other learners
Comments:	Comments: Not yet achieved Level 1			

Level 1	Level 2	Level 3	Level 4	Level 5
Demonstrates some basic knowledge of biology of cancer, clinical pharmacology, tumor immunology, endocrinology, and pertinent anatomy and physiology of broad and focused topics	Demonstrates comprehensive knowledge of biology of cancer, clinical pharmacology, tumor immunology, endocrinology, and pertinent anatomy and physiology of broad and focused topics	With guidance, applies knowledge of biology of cancer, clinical pharmacology, tumor immunology, endocrinology, and pertinent anatomy and physiology of broad and focused topics	Independently applies knowledge of biology of cancer, clinical pharmacology, tumor immunology, endocrinology, and pertinent anatomy and physiology of broad and focused topics	Demonstrates significant command of the literature, including novel therapeutic interventions and outcomes Serves as a content expert in areas of tumor biology,
Identifies appropriate initial diagnostic and treatment recommendations for broad and focused topics	Demonstrates comprehensive understanding of diagnostic and treatment recommendations for broad and focused topics	With guidance, applies diagnostic and treatment recommendations for broad and focused topics Understands methods to	Independently applies diagnostic and treatment recommendations for broad and focused topics	immunology, anatomy or physiology
Demonstrates knowledge of common complications of multimodality therapy, as well as expected outcomes for broad and focused topics	Demonstrates comprehensive knowledge of complications of multimodality therapy, as well as expected outcomes for broad and focused topics	minimize or prevent complications	Recognizes opportunities to minimize or prevent complications	

Systems-based Practice — Administrative Responsibility				
Level 1	Level 2	Level 3	Level 4	Level 5
Demonstrates basic	Understands how patient	Makes suggestions for	Participates in work groups	Leads a performance
knowledge of how health	care is provided in their	changes in the health care	or performance	improvement team to
care systems operate	system and recognizes	system that may improve	improvement teams	reduce errors and/or
	specific system failures that	patient care	designed to reduce errors,	improve health outcomes
Demonstrates basic	can affect patient care		improve patient safety, and	
knowledge of how a		Contributes meaningfully to	improve health outcomes	Leads a multidisciplinary
multidisciplinary tumor	Participates in	the discussion at a		tumor board meeting
board operates	multidisciplinary tumor board	multidisciplinary tumor board	Initiates and presents their	
			own patients at tumor	
Knows system factors that	Follows protocols and	Reports problems with	board, and is responsible for	
contribute to medical errors, and is aware of the	guidelines for patient care	technology (e.g., devices and automated systems) or	comprehensive discussion	
impact of variations in care		processes that could produce	Understands the appropriate	
impact of variations in care		medical errors	use of standardized	
		inculcul cirors	approaches to care, and	
			participates in creating	
			protocols of care	
Comments:			N	lot yet achieved Level 1

Systems-based Practice — Coordination and Transitions of Care					
Level 1	Level 2	Level 3	Level 4	Level 5	
Requires direct supervision	Usually utilizes appropriate	Effectively and regularly	Takes a leadership role in	Performs quality	
to provide effective written	forms of communication	utilizes all appropriate forms	ensuring accurate transitions	improvement or research	
and verbal communication	(e.g., face-to-face, telephone,	of communication (e.g., face-	of care and optimizing	project regarding	
to prevent medical errors	electronic) to ensure accurate	to-face, telephone,	communication across	coordination or transitions of	
	transitions of care and	electronic) to ensure accurate	systems and the continuum	care	
Recognizes that there are	optimize communication	transitions of care and	of care		
several aspects and phases	across systems and the	optimize communication		Participates in outreach and	
of global care for the	continuum of care	across systems and the	Coordinates team approach	advocacy for the cancer	
cancer patient		continuum of care	for the global care of the	patient	
	Recognizes the importance of		cancer patient		
	allied health care personnel	Appropriately engages allied			
	(e.g., therapists, social	health care personnel in the	Recognizes importance of		
	workers, support groups) in	global care of the cancer	outreach and advocacy for		
	the global care of the cancer	patient	the cancer patient		
	patient				
Comments:			N	lot yet achieved Level 1	

Practice-based Learning a	Practice-based Learning and Improvement — Improvement of Care				
Level 1	Level 2	Level 3	Level 4	Level 5	
Actively participates in morbidity and mortality (M&M) and/or other quality improvement (QI) conferences with comments, questions, and accurate presentation of cases Changes personal behaviors in response to feedback from supervisors Recognizes when and how errors or adverse events affect the care of patients	Evaluates own patient outcomes and the quality and efficacy of care of patients through appraisal and assimilation of scientific evidence Uses relevant literature to support discussions and conclusions at M&M and/or other QI conferences Understands basic steps of a QI project (e.g., generates a hypothesis, conducts a cause-effect analysis, develops method for study)	Evaluates own patient care outcomes in a systematic manner and identifies opportunities for improvement Identifies probable causes for complications and deaths at M&M and/or other QI conferences, as well as appropriate strategies for improving care	Exhibits on-going self- evaluation and improvement that includes reflection on practice, tracking, and analyzing patient outcomes, integrating evidence-based practice guidelines and identifying opportunities to make practice improvements Discusses or demonstrates application of M&M and/or other QI conference conclusions to own patient care Participates in a QI activity	Participates in an institutional committee that is responsible for performance in practice improvement and helps develop QI activities Authors a national presentation or publication on the results of a quality improvement project Recognizes opportunities for improvement in patient care using process analysis and initiates a corrective action plan	
	Understands how to modify care practices to avoid errors		relevant to patient care outcomes		
Comments:			N	Not yet achieved Level 1	

evel 1	Level 2	Level 3	Level 4	Level 5
Critically reviews and	Describes commonly used	Designs a hypothesis-driven or	Conducts research ensuring	Obtains extramural funding
interprets publications	study designs (e.g.,	hypothesis-generating study,	data quality and safety	for research study
with the ability to identify	randomized control study,	including:		
study aims, hypotheses,	cohort, case-control, cross-	 Defining the knowledge 	Demonstrates competence	Publishes research in peer-
design, and biases	sectional); distinguishes	gap in the literature	in statistical analyses and	reviewed journal
	between association and	 Developing specific aims 	epidemiology	
Recognizes elements of a	causation; and knows	 Defining exposures and 		
publishable scientific	criteria for causal inference	outcomes using	Presents scientific findings to	
article, including:		standardized measures	peers for review and critique	
Abstract	Applies the principles of	 Determining the sample 		
Introduction	ethics and good clinical	size	Leads a comprehensive	
Methods	practice to the protection of	 Determining appropriate 	journal club conference	
Results	human subjects recruited to	statistical analysis		
Discussion	participate in research	 Identifying strengths and 		
Summary	Identifies research	limitations of study		
References	mentor(s)	design		
Demonstrates knowledge				
of basic principles				
underlying the ethical				
conduct of research and				
the protection of human				
subjects				

Practice-based Learning a	nd Improvement — Teaching			
Level 1	Level 2	Level 3	Level 4	Level 5
Requires prompting to impart educational information clearly and effectively to other health care team members	Communicates educational material accurately and effectively at the appropriate level for learner understanding Accurately and succinctly presents patient cases appropriate for learning environment	Demonstrates an effective teaching style when responsible for a conference or formal presentation Demonstrates effective use of audiovisual tools to enhance learning by others	Recognizes teachable moments and readily and respectfully engages the learner Facilitates conferences and case discussions based on assimilation of evidence from the literature	Demonstrates highly effective teaching with an interactive educational style, and engages in constructive educational dialogue Develops an educational curriculum or an evaluation system for other learners Presents or publishes educational research
Comments:			N	Not yet achieved Level 1

Selects an appropriate			Level 5
· · · · · · · · · · · · · · · · · · ·	Demonstrates the ability to	Routinely synthesizes	Presents at local, regional, or
evidence-based information	use multiple resources to	current scientific literature	national activity, optional
tool to answer specific	improve patient care and self-	and other resources for self-	conferences, and/or self-
questions while providing	knowledge	directed learning and	assessment programs
care		improvement of patient care	
	Integrates use of		
	recommended materials in	Independently identifies	
	learning	additional materials to	
		enhance self-directed	
		learning	
(questions while providing	improve patient care and self-knowledge care Integrates use of recommended materials in	improve patient care and self-knowledge are improve patient care and self-knowledge and other resources for self-directed learning and improvement of patient care Integrates use of recommended materials in learning Independently identifies additional materials to enhance self-directed

Level 1	Level 2	Level 3	Level 4	Level 5
Demonstrates behavior	Demonstrates an	Manifests these behaviors	Serves as a role model for	Demonstrates leadership
hat conveys compassion,	understanding of the	consistently in complex and	ethical and professional	and mentoring regarding
nonesty, and genuine	importance of compassion,	complicated situations	behavior	these principles
nterest in patients and	integrity, respect, sensitivity,			
families in most	and responsiveness to	Ensures patient care	Consistently places the	Develops organizational
circumstances	patients and families, and is	responsibilities are performed	interests of patients ahead of	policies and education to
	able to exhibit these	and continuity of care is	self-interests when	support the application of
Requires reminders to	behaviors consistently in	maintained	appropriate	these principles in the
espect patient	common and uncomplicated			practice of medicine
confidentiality and privacy	situations	Accepts responsibility for	Maintains composure in	
		errors in patient care and can	accordance with ethical	
	Demonstrates a commitment	initiate corrective action	principles even in stressful	
	to continuity of care by taking		situations	
	personal responsibility for	Consistently demonstrates		
	patient care outcomes	integrity in all aspects of care		
		and professional relationships		
	Recognizes the limits of			
	his/her knowledge and asks			
	for help when needed			

Professionalism — Ethica	Issues in Cancer Patients			
Level 1	Level 2	Level 3	Level 4	Level 5
Aware of basic bioethical principles; able to identify ethical issues (e.g., end-of-life care, surrogacy, futility)	Consistently recognizes ethical issues in practice; able to discuss, analyze, and manage common clinical situations	Able to effectively analyze and manage ethical issues in complicated and challenging clinical situations (e.g., implications of genetic testing, withdrawal of care)	Serves as a role model for consistently considering and managing ethical issues in practice	Serves as a member of an institutional ethics committee Performs research or presents locally, regionally, or nationally on ethical problems in cancer patients
Comments:				Not yet achieved Level 1

evel 1	Level 2	Level 3	Level 4	Level 5
Completes operative case ogs and duty hour logs, and performs other assigned and required administrative tasks in a simely fashion without excessive written and verbal reminders or prodding (e.g., visa enewal, credentialing, obtaining a medical license)	Is usually prompt in attending conferences, meetings, operations, and other activities Usually responds promptly to requests from faculty and departmental staff members Understands the importance of preparing for patient care activities (e.g., clinic, operating room)	Ensures that those under his/her supervision respond appropriately to their responsibilities in a timely fashion Exhibits a clear understanding of personal responsibilities (clinical and administrative) Prepares for patient care activities, with prompting	Serves as a role model for promptness and attendance for conferences, meetings, operations, and other activities on all rotations Performs clinical and administrative responsibilities in an exemplary manner, without prompting Prepares for patient care activities, without prompting	Serves as a resource for the program and mentoring of other learners about accountability and responsible professional conduct

Professionalism — Healthy Work Environment				
Level 1	Level 2	Level 3	Level 4	Level 5
Requires frequent direct	Understands the institutional	Monitors personal wellness	Sets an example by	Recognizes and
supervision to comply with	resources available to	and emotional health	promoting healthy habits	appropriately addresses
duty hours and to recognize	manage personal, physical,		and creating an emotionally	health issues in other
personal health issues	and emotional health (e.g.,	Appropriately mitigates	healthy environment for co-	members of the health care
	acute and chronic disease,	fatigue and/or stress such	workers	team
Understands the principles	substance abuse, mental	that he/she consistently		
of physician wellness and	health problems)	arrives fit for duty	Models appropriate	Is proactive in modifying
fatigue mitigation			management of personal	schedules or intervening in
	Complies with duty hours	Is effective and efficient in	health issues, fatigue, and	other ways (e.g., required
	standards	time management	stress	nap, counseling, referral for
	Recognizes fatigue and			services, report to program
	emotional distress in self and			director) to ensure that
	others			caregivers and others under
				his/her supervision maintain
				personal wellness and do not
				compromise patient safety
Comments:			N	lot yet achieved Level 1

•	unication Skills — Effective Co			
Level 1	Level 2	Level 3	Level 4	Level 5
Communicates with	Customizes communication,	Effectively delivers complex	Proficiently individualizes	Develops novel tools for
patients and their families	taking into account patient	and difficult information to	and leads difficult	effective communication
in an understandable and	and family characteristics	patients and families	discussions specific to	with the patient and families
respectful manner	(e.g., age, literacy, cognitive		patient and family needs,	
	disabilities, cultural	Recognizes strategies for	(e.g., end-of-life, decisions to	Effectively mentors other
Effectively communicates	differences)	negotiating conflict	engage in supportive care	health care providers in
basic health care			only, explaining	communication skills and
information to patients and	Provides timely updates to	Directs patients to	complications, discussing	conflict management
families	patients and families	appropriate resources (e.g.,	cancer prognoses)	
		general information, clinical		Develops resources to
Recognizes the importance	Identifies appropriate patient	trials, advocacy groups)	Effectively negotiates and	educate patients
of patient education and	resources		manages conflict among	
where to find resources			patients, families, and the	
			health care team	
			Utilizes resources to educate	
			patients	
Comments:			N	lot yet achieved Level 1

Level 1	Level 2	Level 3	Level 4	Level 5
Recognizes the need for	Shares and exchanges patient	Anticipates and plans for	Effectively leads a	Serves as a resource for
sharing and exchanging	information with members of	effective communication of	multidisciplinary cancer	negotiating and managing
patient information with	the multidisciplinary cancer	relevant information to all	team responsible for the	conflict within the health
the multidisciplinary cancer	team effectively	members of the	care of cancer patients using	care system
team		multidisciplinary cancer team	individualized	
			communication strategies	Effectively mentors other
Responds politely and		Demonstrates the ability to		health care providers in
promptly to requests for		lead a multidisciplinary	Utilizes strategies to prevent	leadership, communication
care coordination activities		cancer team using effective	conflict within the	skills, and conflict
		communication styles	multidisciplinary cancer	management
			team	
		Recognizes strategies for		
		negotiating conflict within the	Effectively negotiates and	
		multidisciplinary cancer team	manages conflict within the	
			multidisciplinary cancer	
			team	