

GiECAT_{KIDS}

Gastrointestinal Endoscopy Competency Assessment Tool for Pediatric Colonoscopy

Date (DD/MM/YYYY): _____

Endoscopist: _____

Assessor: _____

1) Using the scale provided, please rate the candidate's performance on the following global rating items:

Please note: A score of 4 should be assigned to those individuals who are *competent* to perform the tasks *independently*, *without* the need for *supervision* (i.e., do not take the candidate's level of training into account in assigning a score)

SCALE:

- 1 Unable to achieve tasks despite significant verbal and/or hands-on guidance
- 2 Achieves some of the tasks but requires significant verbal and/or hands-on guidance
- 3 Achieves most of the tasks independently, with minimal verbal and/or manual guidance
- 4 Competent for independent performance of all tasks
- 5 Highly skilled performance of all tasks
- N/A Not applicable

GLOBAL RATING ITEM	SCORE
TECHNICAL SKILL <i>Demonstrates an ability to manipulate the endoscope using torque steering, angulation control knobs and advancement/withdrawal for effective navigation of the gastrointestinal tract.</i>	<input type="text"/>
STRATEGIES FOR ENDOSCOPE ADVANCEMENT <i>Demonstrates an ability to use loop-reduction, insufflation, pull-back, suction, external pressure and patient position change to advance the endoscope independently, expediently and safely.</i>	<input type="text"/>
VISUALIZATION OF MUCOSA <i>Demonstrates an ability to achieve a clear luminal view required for safe endoscope navigation and complete mucosal evaluation, including good visualization around corners and folds and appropriate use of mucosal cleaning techniques (e.g. lavage, suction).</i>	<input type="text"/>
INDEPENDENT PROCEDURE COMPLETION (NEED FOR ASSISTANCE) <i>Demonstrates an ability to complete the endoscopic procedure expediently and safely without verbal and/or manual guidance.</i>	<input type="text"/>
KNOWLEDGE OF PROCEDURE <i>Demonstrates general procedural knowledge including indications and contraindications, potential complications, endoscopy techniques, equipment maintenance and trouble-shooting.</i>	<input type="text"/>
INTERPRETATION AND MANAGEMENT OF FINDINGS <i>Demonstrates an ability to accurately identify and interpret pathology and/or procedural complications and form an appropriate management plan.</i>	<input type="text"/>
PATIENT SAFETY <i>Demonstrates an ability to perform the procedure in a manner that minimizes patient risk and assures optimal patient safety (e.g., atraumatic technique, minimal force, minimal red-out, recognition of personal and procedural limitations, safe sedation practices, and appropriate communication).</i>	<input type="text"/>

COMMENTS: _____

2) Please rate the candidate's performance on the following checklist items (check the appropriate box):

CHECKLIST ITEM		Not Done or Done Incorrectly	Done Correctly	Not Observed
PRE-PROCEDURE				
1.	Reviews relevant patient information (health records, relevant investigations) and obtains history as appropriate (indications, contraindications, medical history, medications, allergies).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Takes action in response to patient history and investigations where appropriate (e.g. prophylactic antibiotics, anesthetic risk factors, etc.).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Demonstrates a sound knowledge of the indications and contraindications to colonoscopy, its benefits and risks, potential alternative investigations and/or therapies, and an awareness of the sequelae of endoscopic or non-endoscopic management.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Explains to the patient and/or caregivers the perioperative process and procedure (likely outcome, time to recovery, benefits, potential risks/complications and rates), checks for understanding and addresses concerns and questions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Checks to ensure the equipment is functioning appropriately (suction, water, air, light, image) prior to intubation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROCEDURE - TECHNICAL				
6.	Recognizes loop formation and avoids or reduces appropriately during the procedure (using pull-back, torque, external pressure, patient position change).	<input type="checkbox"/>	<input type="checkbox"/>	
7.	Uses rotation and/or torque appropriately.	<input type="checkbox"/>	<input type="checkbox"/>	
8.	Advances to cecum (in an appropriate time).	<input type="checkbox"/>	<input type="checkbox"/>	
9.	Advances to terminal ileum (in an appropriate time).	<input type="checkbox"/>	<input type="checkbox"/>	
10.	Withdraws endoscope in a controlled manner.	<input type="checkbox"/>	<input type="checkbox"/>	
11.	Performs therapeutic maneuvers (biopsy and/or polypectomy) independently, appropriately and safely.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROCEDURE - COGNITIVE				
12.	Demonstrates recognition of anatomical landmarks (rectum, flexures, ileo-cecal valve, appendiceal orifice, etc.) and/or incomplete examination.	<input type="checkbox"/>	<input type="checkbox"/>	
13.	Demonstrates recognition of pathological and anatomical abnormalities.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14.	Describes findings accurately, interprets abnormalities in the context of the patient and selects the appropriate strategy/technique to deal with them.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROCEDURE - NON-TECHNICAL				
15.	Administers sedation appropriately (type, dose), monitors the patient's vitals and comfort level throughout the procedure and responds appropriately AND/OR demonstrates appropriate interaction with the anesthetist to ensure appropriate sedation and monitoring throughout the procedure.	<input type="checkbox"/>	<input type="checkbox"/>	
16.	Demonstrates appropriate interaction and communication with the procedure nurses and/or assistants throughout the procedure.	<input type="checkbox"/>	<input type="checkbox"/>	
POST-PROCEDURE				
17.	Attends to recovery of patient (i.e. monitoring, checks for and manages complications as required).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18.	Educates the patient and/or caregiver about the colonoscopic findings (explanation, significance) and follow-up plan, and provides advice regarding potential post-procedure complications, recommended course of action, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3) ASSESSOR GLOBAL ASSESSMENT

Global assessment of the edoscopist's skill level *independent of the above checklist and global rating scale.*

- Requires significant guidance with all aspects of performing colonoscopy
- Able to perform colonoscopy under supervision, but requires guidance with many aspects of the procedure
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