

BSPGHAN Endoscopy Working Group & JAG

Paediatric Endoscopy Training Curriculum

Version 2.2

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The Joint Advisory Group on GI Endoscopy (JAG) has a mandate from the Medical, Surgical and Paediatric Royal Colleges to accredit training and monitor the quality of endoscopy in the UK.

This curriculum for the JAG describes the core competencies for endoscopy practitioners in paediatrics – defined as the care of a child or young person best managed in a child-centred department. In some circumstances, it will be appropriate for an adult endoscopist to undertake procedures on children or young people, either alone or jointly with a paediatric endoscopist, but it would be expected that these would be in a framework of shared-care.

Paediatric endoscopists develop similar technical skills to their adult colleagues, but the different requirements of the patient group and a different disease spectrum requires a separate curriculum and assessment framework. The procedures included in the curriculum are the most commonly undertaken, and the most appropriate for assessment. The curriculum is complemented by the direct observation of procedural skills (DOPS) assessment. Certification and revalidation through the JAG processes is based on this curriculum and on the evidence of both a logbook of experience and a portfolio of DOPS assessments. Since September 2012 the expectation is that this information will have been recorded and processed through the JAG Endoscopy Training System (JETS).

Subject	Knowledge	Skills	Attitudes
Equipment and staff	<p>Endoscopy team members and unit management</p> <p>Endoscope cleaning, disinfection and storage</p> <p>Endoscope construction, maintenance and design</p>	<p>Team-working and communication</p> <p>Able to clean and disinfect equipment in accordance with BSG guidelines and use equipment in accordance with manufacturers recommendations</p> <p>Age and task appropriate equipment selection</p> <p>Pre-procedure checks</p> <p>Problem solving for malfunction</p>	<p>Commitment to child-friendly environment</p> <p>Willingness to process equipment safely</p> <p>Commitment to safety</p> <p>Willingness to check equipment</p>
Consent and giving Information	<p>Understands the medical & legal issues of consent</p> <p>Is familiar with the latest consent guidelines</p> <p>Aware of complication rates</p> <p>Incorporates endoscopy findings into an appropriate management plan</p>	<p>Assessing capacity & involving children/young people in the process</p> <p>Communicating risk</p> <p>Communicating findings to patients, carers and colleagues</p>	<p>Respect and advocacy; patient/family-centred practice</p> <p>Awareness of MDT members' contribution to patient management and willingness to seek MDT review</p>

Subject	Knowledge	Skills	Attitudes
Sedation, anaesthetic and monitoring (for all procedures)	Safety and appropriateness of sedation and GA The WHO checklist	Safe pre and post-procedure monitoring: bloods, fasting, antibiotics, coagulation, airway management, implications of co-morbidities (eg. diabetes mellitus)	Demonstrates willingness & commitment to practice in such a way as to minimize risk & pain to children and obtain help when needed
Diagnostic oesophago-gastro-duodenoscopy (OGD)	Defines the indications, contraindications preparation and documentation Describes potential complications and their management	Performs OGD with biopsies and/or other samples as indicated Intubates duodenum when indicated Uses J-manoeuvre to view fundus Records and interprets findings with necessary action taken to appropriate level	Demonstrates willingness & commitment to practice in such a way as to minimize risk & pain to children and obtain help when needed
Diagnostic ileo-colonoscopy [†]	Explains the Indications and contraindications Describes age appropriate patient preparation Describes utility of chromo-endoscopy and/or image tools Describes potential complications and their management	Performs the procedure: reach caecum and intubate terminal ileum where appropriate Where indicated take biopsies, undertake polypectomy & take other necessary action as required	Demonstrates willingness & commitment to practice in such a way as to minimize risk & pain to children and obtain help when needed

Subject	Knowledge	Skills	Attitudes
Techniques for managing bleeding lesions*‡	Describes the indications for endoscopic sclerotherapy or banding of oesophageal varices and methods for controlling arterial bleeding lesions	Selection of equipment: snare, clip, thermal, laser, etc Application of diathermy plates and appropriate use of current blends	Demonstrates willingness & commitment to practice in such a way as to minimize risk & pain to children and obtain help when needed
Endoscopic polypectomy‡	Describes polyp types Explains the indications, contraindications, complications and their management Describes patient preparation and documentation Aware of latest guidelines for management of polyposis syndromes	Selection of polyp and equipment Successful removal and retrieval, whole or piecemeal, as appropriate	Demonstrates willingness & commitment to practice in such a way as to minimize risk & pain to children and obtain help when needed Willingness to refer to a specialist unit where appropriate

Notes:

Details of Requirements for Certification for Completion of Training are available from the RCPCH PGMAN CSAC and will be available via the JAG / BSPGMAN websites.

† diagnostic ileocolonoscopy is expected for trainees in gastroenterology

* variceal management is expected for trainees in hepatology

‡ therapeutic skills may be acquired after certification of completion of training