

Appendix 2: Syllabus

The syllabus contains the specialty topics that must be covered in the training programme. Each of these topics includes one or more learning objectives.

Formative WBAs may be used to assess and provide feedback on any areas of clinical activity. However, other than for the critical conditions, index procedures or where they have been identified to address a concern, WBAs are optional and trainees, therefore, do not need to use WBAs to evidence their learning against each syllabus topic.

In the three phases of specialty training the following methodology is used to define the level of performance/competence to be achieved at completion of each phase in the domains of:

- specialty-based knowledge
- clinical skills and judgement
- technical and operative skills

Standards for knowledge

Each topic for a level or phase of training has a competence level ascribed to it for knowledge ranging from 1 to 4 which indicates the depth of knowledge required:

1. knows of
2. knows basic concepts
3. knows generally
4. knows specifically and broadly

Standards for clinical and technical skills

The practical application of knowledge is evidenced through clinical and technical skills. Each topic has a competence level ascribed to it in the areas of clinical and technical skills ranging from 1 to 4:

1. Has observed

Exit descriptor; at this level the trainee:

- has adequate knowledge of the steps through direct observation
- can handle instruments relevant to the procedure appropriately and safely
- can perform some parts of the procedure with reasonable fluency.

2. Can do with assistance

Exit descriptor; at this level the trainee:

- knows all the steps - and the reasons that lie behind the methodology
- can carry out a straightforward procedure fluently from start to finish
- knows and demonstrates when to call for assistance/advice from the supervisor (knows personal limitations).

3. Can do whole but may need assistance

Exit descriptor; at this level the trainee:

- can adapt to well-known variations in the procedure encountered, without direct input from the trainer
- recognises and makes a correct assessment of common problems that are encountered
- is able to deal with most of the common problems
- knows when help is needed
- requires advice rather than help that requires the trainer to scrub.

4. Competent to do without assistance, including complications

Exit descriptor, at this level the trainee:

- with regard to the common clinical situations in the specialty, can deal with straightforward and difficult cases to a satisfactory level and without the requirement for external input
- is at the level at which one would expect a UK consultant surgeon to function
- is capable of supervising trainees.

To ensure the appropriate procedural and clinical competence, there are nominated index procedures (appendix 4) that will require assessment through PBAs and critical conditions (appendix 3) that will require assessment through CBDs or CEXs as appropriate. Other than for the critical conditions, index procedures or where they have been identified to address a concern, WBAs are optional for formative feedback. Trainees, therefore, do not need to use WBAs to evidence their learning against each syllabus topic.

Syllabus

Topic	Groin conditions	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	General Surgery of Childhood	
Sub-category:	None	
Objective	<p><i>To be able to assess a child presenting to the OP clinic or acutely with 'groin pathology'</i></p> <p><i>To be able to formulate a differential diagnosis and an investigation and management plan</i></p> <p><i>To be able to treat the child appropriately up to and including operative intervention if required</i></p> <p><i>To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source</i></p>	
Knowledge	<p>INGUINAL HERNIA:</p> <p>4 Developmental anatomy</p>	

	<p>4 Natural history 4 Indications and outcomes of surgery</p> <p>HYDROCELE:</p> <p>4 Developmental anatomy 4 Natural history 4 Place of conservative management 4 Indications and outcomes of surgery</p> <p>UNDESCENDED TESTIS:</p> <p>4 Developmental anatomy 4 Natural history of undescended testis and retractile testis 4 Place of conservative management 4 Indications and outcomes of surgery</p> <p>PENILE CONDITIONS:</p> <p>4 Developmental anatomy 4 Natural history 4 Place of conservative management 4 Indications and outcomes of surgery</p> <p>ACUTE SCROTUM:</p> <p>4 Natural history 4 Place of conservative management 4 Indications and outcomes of surgery</p>	
<p>Clinical Skills</p>	<p>INGUINAL HERNIA:</p> <p>4 Ability to assess child and reach appropriate diagnosis 4 Ability to form a treatment plan 4 Ability to communicate with all relevant groups</p> <p>HYDROCELE:</p> <p>4 Ability to assess child and reach appropriate diagnosis 4 Ability to form a treatment plan 4 Ability to communicate with all relevant groups</p> <p>UNDESCENDED TESTIS:</p> <p>4 Ability to assess child and reach appropriate diagnosis 4 Ability to differentiate true undescended testis from retractile variant 4 Ability to form a treatment plan 4 Ability to communicate with all relevant groups</p> <p>PENILE CONDITIONS:</p>	

	<p>4 Ability to assess child and reach appropriate diagnosis 4 Ability to form a treatment plan 4 Ability to communicate with all relevant groups</p> <p>ACUTE SCROTUM: 4 Ability to assess child and reach appropriate diagnosis 4 Ability to form a treatment plan 4 Ability to communicate with all relevant groups</p>	
Technical Skills and Procedures	<p>Hernia (ST5): 3 Inguinal herniotomy (non-neonatal) 3 Inguinal hernia (neonatal) Hydrocele (ST5): 3 Surgery for hydrocele</p> <p>Penile Conditions (ST5): 3 Prepuceoplasty 4 Circumcision Undescended testis (ST5): 3 Surgery for undescended testis Acute scrotum (ST5): 4 Surgery for acute scrotum Hernia (ST6): 4 Inguinal herniotomy (non-neonatal) 3 Inguinal hernia (neonatal)</p> <p>Hydrocoele (ST6): 4 Surgery for hydrocele</p> <p>Penile Conditions (ST6): 4 Prepuceoplasty 4 Circumcision Undescended testis (ST6): 4 Surgery for undescended testis Acute scrotum (ST6): 4 Surgery for acute scrotum</p>	

Topic	Abdominal wall pathologies	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	General Surgery of Childhood	
Sub-category:	None	
Objective	<i>To be able to assess a child presenting to the OP clinic or acutely with abnormalities of the abdominal wall</i>	

	<p><i>To be able to formulate a differential diagnosis and an investigation and management plan</i></p> <p><i>To be able to treat the child appropriately up to and including operative intervention if required</i></p> <p><i>To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source</i></p>	
Knowledge	<p>UMBILICAL HERNIA: 4 Developmental anatomy 4 Natural history 4 Place of conservative management 4 Indications and outcomes of surgery</p> <p>SUPRA-UMBILICAL HERNIA: 4 developmental anatomy 4 Natural history to include contrast with umbilical hernia 4 Indications and outcomes of surgery</p> <p>EPIGASTRIC HERNIA: 4 Developmental anatomy 4 Natural history 4 Indications and outcomes of surgery</p>	
Clinical Skills	<p>UMBILICAL HERNIA: 4 Ability to assess child and reach appropriate diagnosis 4 Ability to form a treatment plan 4 Ability to communicate with all relevant groups</p> <p>SUPRA-UMBILICAL HERNIA: 4 Ability to assess child and reach appropriate diagnosis 4 Ability to form a treatment plan 4 Ability to communicate with all relevant groups</p> <p>EPIGASTRIC HERNIA: 4 Ability to assess child and reach appropriate diagnosis 4 Ability to form a treatment plan 4 Ability to communicate with all relevant groups</p>	
Technical Skills and Procedures	<p>Umbilical hernia (ST5): 4 Repair of umbilical hernia</p> <p>Epigastric hernia (ST5): 4 Repair of epigastric hernia</p> <p>Umbilical hernia (ST6): 4 Repair of umbilical hernia</p> <p>Epigastric hernia (ST6): 4 Repair of epigastric hernia</p>	

Topic	Head and neck swellings	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	General surgery of childhood	
Sub-category:	Management of benign surgical conditions	
Objective	<p><i>To be able to assess a child presenting to the OP clinic or acutely with a head/neck swelling as the primary presenting symptom</i></p> <p><i>To be able to formulate a differential diagnosis and an investigation and management plan</i></p> <p><i>To be able to treat the child appropriately up to and including operative intervention if required</i></p> <p><i>To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source</i></p>	
Knowledge	<p>4 Patterns of symptoms and relation to likely pathology, relevant anatomy and age of child</p> <p>4 Relevance of embryonic development of head and neck structures</p> <p>4 Differential diagnosis</p> <p>4 Place and value of investigations</p>	
Clinical Skills	<p>4 Ability to assess child</p> <p>4 Ability to form a viable investigation and treatment plan</p> <p>4 Ability to communicate with all relevant groups</p>	
Technical Skills and Procedures	<p>ST5 and 6:</p> <p>4 Excision skin lesion</p> <p>4 Excision/biopsy of lymph nodes</p> <p>3 Surgery for thyroglossal cyst</p> <p>3 Surgery for branchial cysts and branchial remnants</p> <p>ST7 and 8:</p> <p>4 Excision skin lesion</p> <p>4 Excision/biopsy of lymph nodes</p> <p>4 Surgery for thyroglossal cyst</p> <p>4 Surgery for branchial cysts and branchial remnants</p>	

Topic	Access	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	General Surgery of Childhood	
Sub-category:	None	
Objective	None	
Knowledge	None	
Clinical Skills	None	
Technical Skills and Procedures	Vascular access (ST5 and 6): 3 Central venous lines and ports (including percutaneous) Dialysis (ST5): 3 PD catheter insertion/removal Vascular access (ST7 and 8): 4 Central venous lines and ports (including percutaneous) Dialysis (ST6): 3 PD catheter insertion/removal	

Topic	Pyloric stenosis	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Gastrointestinal	
Sub-category:	None	
Objective	<i>To be able to assess an infant with vomiting To be able to formulate a differential diagnosis and an investigation and management plan To be able to make a diagnosis of pyloric stenosis To be able to treat the child appropriately up to and including operative intervention if required To be able to communicate the above information at the required level to parents, other team members/referral source</i>	
Knowledge	4 Patterns of symptoms and relation to likely pathology 4 Significance of bile stained vomiting 4 Differential diagnosis 4 Place and value of investigations 4 Understanding of the biochemical changes associated with the condition	

Clinical Skills	<p>4 Ability to assess ill child including an assessment of severity of dehydration</p> <p>4 Ability to safely correct the dehydration and biochemical abnormalities</p> <p>4 Ability to communicate with ill child (see section 1)</p> <p>4 Ability to form a viable investigation and treatment plan</p> <p>4 Ability to communicate with all relevant groups</p>	
Technical Skills and Procedures	<p>3 Pyloromyotomy - ST5</p> <p>4 Pyloromyotomy - ST6, ST7, ST8</p>	

Topic	Gastro-oesophageal reflux	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Gastrointestinal	
Sub-category:	None	
Objective	<p><i>To understand the presenting symptoms of common gastrointestinal conditions in childhood and their management</i></p> <p><i>To be able to formulate a differential diagnosis and an investigation and management plan</i></p> <p><i>To be able to treat the child appropriately up to and including operative intervention in selected cases</i></p> <p><i>To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	<p>4 Pathophysiology</p> <p>4 Investigation and management</p> <p>4 Indications for operative intervention</p>	
Clinical Skills	<p>4 Ability to synthesise history and investigations into appropriate management plan</p> <p>4 Ability to communicate information to parents/child</p>	
Technical Skills and Procedures	<p>4 OGD - ST5, ST6, ST7, ST8</p> <p>3 Oesophageal dilatation (ST5 & ST6)</p> <p>4 Oesophageal dilatation (ST7 & ST8)</p> <p>3 Gastrostomy -open (ST5 & ST6)</p> <p>4 Gastrostomy -open (ST7 & ST8)</p> <p>3 PEG (insertion/removal) - ST5</p> <p>4 PEG (insertion /removal) - ST6, ST7, ST8</p>	

	3 Open or laparoscopic fundoplication (ST5, ST6, ST7)4 Open and laparoscopic fundoplication (ST8) 1 Feeding jejunostomy (ST5) 2 Feeding jejunostomy (ST6) 3 Feeding jejunostomy (ST7) 4 Feeding jejunostomy (ST8) 1 Oesophago gastric disconnection (ST5 & ST6) 2 Oesophago gastric disconnection (ST7 & ST8)	
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Topic	Abdominal pain	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Gastrointestinal	
Sub-category:	None	
Objective	<p><i>To understand the presenting symptoms of common gastrointestinal conditions in childhood and their management</i></p> <p><i>To be able to formulate a differential diagnosis and an investigation and management plan</i></p> <p><i>To be able to treat the child appropriately up to and including operative intervention in selected cases</i></p> <p><i>To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	4 Patterns of symptoms and relation to likely pathology and age of child 4 Differential diagnosis 4 Place and value of investigations 4 Place of operative intervention, and associated outcomes	
Clinical Skills	4 Ability to assess ill child 4 Ability to communicate with ill child (see section 1) 4 Ability to form a viable investigation and treatment plan 4 Ability to communicate with all relevant groups	
Technical Skills and Procedures	3 Open and Laparoscopic appendicectomy (ST5) 4 Open and Laparoscopic appendicectomy (ST6, ST7, ST8) 3 Operative reduction of intussusception (ST5 & ST6) 4 Operative reduction of intussusception (ST7 & ST8)	

Topic	Constipation	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Gastrointestinal	
Sub-category:	None	
Objective	<p><i>To understand the presenting symptoms of common gastrointestinal conditions in childhood and their management</i></p> <p><i>To be able to formulate a differential diagnosis and an investigation and management plan</i></p> <p><i>To be able to treat the child appropriately up to and including operative intervention in selected cases</i></p> <p><i>To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	<p>4 Patterns of symptoms and relation to likely pathology and age of child</p> <p>3 Differential diagnosis to include medical anomalies and socio-psychological aspects of symptom</p> <p>4 Place and value of investigations</p>	
Clinical Skills	<p>4 Ability to assess child</p> <p>4 Ability to form a viable investigation and treatment plan</p> <p>4 Ability to communicate with all relevant groups.</p> <p>3 To include community aspects of further management</p>	Desirable Communication
Technical Skills and Procedures	<p>4 Rectal Biopsy</p> <p>4 Manual evacuation</p> <p>4 EUA rectum</p> <p>4 Anal stretch</p> <p>1 ACE procedure (ST5)</p> <p>2 ACE procedure (ST6)</p> <p>3 ACE procedure (ST7 & ST8)</p>	Desirable

Topic	Gastro-intestinal bleeding	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Gastrointestinal	
Sub-category:	None	

Objective	<p><i>To understand the presenting symptoms of common gastrointestinal conditions in childhood and their management</i></p> <p><i>To be able to formulate a differential diagnosis and an investigation and management plan</i></p> <p><i>To be able to treat the child appropriately up to and including operative intervention in selected cases</i></p> <p><i>To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	<p>3 Patterns of symptoms and relation to likely pathology and age of child</p> <p>3 Differential diagnosis</p> <p>4 Place and value of investigations</p> <p>3 Place of operative intervention, and associated outcomes</p>	
Clinical Skills	<p>4 Ability to assess ill child</p> <p>4 Ability to communicate with ill child (see section 1)</p> <p>4 Ability to form a viable investigation and treatment plan</p> <p>4 Ability to communicate with all relevant groups</p>	
Technical Skills and Procedures	<p>4 OGD</p> <p>2 Colonoscopy (ST5, ST6, ST7, ST8)</p> <p>3 Sigmoidoscopy (ST5,)</p> <p>4 Sigmoidoscopy (ST6, ST7, ST8)</p> <p>3 Small bowel resection/anastomosis – open and laparoscopically assisted (Meckels) - ST5 & ST6</p> <p>4 Small bowel resection/anastomosis – open and laparoscopically assisted (Meckels) - ST7 & ST8</p>	

Topic	Intestinal obstruction	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Gastrointestinal	
Sub-category:	None	
Objective	<p><i>To understand the presenting symptoms of common gastrointestinal conditions in childhood and their management</i></p> <p><i>To be able to formulate a differential diagnosis and an investigation and management plan</i></p> <p><i>To be able to treat the child appropriately up to and including operative intervention in selected cases</i></p>	

	<p><i>To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	<p>4 Patterns of symptoms and relation to likely pathology and age of child</p> <p>4 Differential diagnosis</p> <p>4 Place and value of investigations</p> <p>4 Place of operative intervention, and associated outcomes</p>	
Clinical Skills	<p>4 Ability to assess ill child</p> <p>4 Ability to communicate with ill child (see Section 1)</p> <p>4 Ability to form a viable investigation and treatment plan</p> <p>4 Ability to communicate with all relevant groups</p>	
Technical Skills and Procedures	<p>3 Laparotomy (ST5 & ST6)</p> <p>4 Laparotomy (ST7 & ST8)</p> <p>3 Adhesiolysis (ST5 & ST6)</p> <p>4 Adhesiolysis (ST7 & ST8)</p> <p>3 Small bowel resection/anastomosis (ST5 & ST6)</p> <p>4 Small bowel resection/anastomosis (ST7 & ST8)</p>	

Topic	Inflammatory bowel disease	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Gastrointestinal	
Sub-category:	None	
Objective	<p><i>To understand the presenting symptoms of common gastrointestinal conditions in childhood and their management</i></p> <p><i>To be able to formulate a differential diagnosis and an investigation and management plan</i></p> <p><i>To be able to treat the child appropriately up to and including operative intervention in selected cases</i></p> <p><i>To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	<p>3 Patterns of symptoms and relation to likely pathology and age of child</p> <p>3 Differential diagnosis</p> <p>3 Place and value of investigations</p>	

	3 Place of operative intervention, and associated outcomes	
Clinical Skills	4 Ability to assess ill child 4 Ability to communicate with ill child (see Section 1) 4 Ability to form a viable investigation and treatment plan 4 Ability to communicate with all relevant groups	
Technical Skills and Procedures	4 OGD 2 Colonoscopy (ST5, ST6, ST7, ST8) 3 Sigmoidoscopy (ST5 & ST6) 4 Sigmoidoscopy (ST7 & ST8) 3 Small bowel resection/anastomosis (ST5 & ST6) 4 Small bowel resection/anastomosis (ST7 & ST8) 2 Right hemicolectomy (ST5) 3 Right hemicolectomy (ST6, ST7) 4 Right hemicolectomy (ST8) 2 Left hemicolectomy (ST5) 3 Left hemicolectomy (ST6, ST7) 4 Left hemicolectomy (ST8) 2 Total colectomy (ST5) 3 Total colectomy (ST6, ST7) 4 Total colectomy (ST8) 1 Pouch formation (ST5 & ST6) 2 Pouch formation (ST7 & ST8)	

Topic	Short bowel syndrome	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Gastrointestinal	
Sub-category:	None	
Objective	<i>To understand the presenting symptoms of common gastrointestinal conditions in childhood and their management To be able to formulate a differential diagnosis and an investigation and management plan To be able to treat the child appropriately up to and including operative intervention in selected cases To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source To be able to practice with integrity, respect and compassion</i>	
Knowledge	3 Patterns of symptoms and relation to likely pathology and age of child 3 Differential diagnosis	

	3 Place and value of investigations 3 Place of operative intervention, and associated outcomes	
Clinical Skills	4 Ability to assess ill child 4 Ability to communicate with ill child (see Section 1) 3 Ability to form a viable investigation and treatment plan 4 Ability to communicate with all relevant groups	
Technical Skills and Procedures	1 Bowel lengthening procedures (ST5 & 6 specialist centre) 2 Bowel lengthening procedures (ST7 & 8 specialist centre)	Desirable

Topic	Liver/biliary disease	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Gastrointestinal	
Sub-category:	None	
Objective	<i>To understand the presenting symptoms of common gastrointestinal conditions in childhood and their management To be able to formulate a differential diagnosis and an investigation and management plan To be able to treat the child appropriately up to and including operative intervention in selected cases To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source To be able to practice with integrity, respect and compassion</i>	
Knowledge	3 Patterns of symptoms and relation to likely pathology and age of child 3 Differential diagnosis 3 Place and value of investigations 3 Place of operative intervention, and associated outcomes	
Clinical Skills	4 Ability to assess ill child 4 Ability to communicate with ill child (see Section 1) 4 Ability to form a viable investigation and treatment plan 4 Ability to communicate with all relevant groups	
Technical Skills and Procedures	2 Cholecystectomy 1 Choledochal cyst (ST5 & ST6) 2 Choledochal cyst (ST7)	

	3 Choledochal cyst (ST8) 1 Kasai procedure - ST5 & ST6 (specialist centre) 2 Kasai procedure - ST7 (specialist centre) 3 Kasai procedure - ST8 (specialist centre)	
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Topic	Urinary tract infection	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Urology	
Sub-category:	None	
Objective	<p><i>To be able to assess a child presenting to the OP clinic or acutely with symptoms referable to the urinary tract</i></p> <p><i>To be able to formulate a differential diagnosis and an investigation and management plan</i></p> <p><i>To be able to treat the child appropriately up to and including operative intervention in selected cases</i></p> <p><i>To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	4 Patterns of symptoms and relation to likely pathology and age of child 4 Relevance of different symptom patterns 4 Differential diagnosis 4 Place and value of investigations	
Clinical Skills	4 Ability to assess child 4 Ability to form a viable investigation and treatment plan 4 Ability to communicate with all relevant groups	
Technical Skills and Procedures	None	

Topic	Haematuria	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Urology	
Sub-category:	None	
Objective	<i>To be able to assess a child presenting to the OP clinic or acutely with symptoms referable to the urinary tract</i>	

	<p><i>To be able to formulate a differential diagnosis and an investigation and management plan</i></p> <p><i>To be able to treat the child appropriately up to and including operative intervention in selected cases</i></p> <p><i>To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	<p>4 Patterns of symptoms and relation to likely pathology and age of child</p> <p>4 Differential diagnosis</p> <p>4 Place and value of investigations</p>	
Clinical Skills	<p>4 Ability to assess child</p> <p>4 Ability to form a viable investigation and treatment plan</p> <p>4 Ability to communicate with all relevant groups</p>	
Technical Skills and Procedures	<p>3 Cysto-urethroscopy (ST5 & ST6)</p> <p>4 Cysto-urethroscopy (ST7 & ST8)</p>	

Topic	Hypospadias	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Urology	
Sub-category:	None	
Objective	<p><i>To be able to assess a child presenting to the OP clinic or acutely with symptoms referable to the urinary tract</i></p> <p><i>To be able to formulate a differential diagnosis and an investigation and management plan</i></p> <p><i>To be able to treat the child appropriately up to and including operative intervention in selected cases</i></p> <p><i>To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	<p>3 Likely modes of presentation</p> <p>3 Different anatomical variants</p> <p>4 Place and value of investigations/ operative intervention</p>	
Clinical Skills	<p>4 Ability to assess child</p> <p>4 Ability to form a viable investigation and treatment plan</p>	

	4 Ability to communicate with all relevant groups	
Technical Skills and Procedures	2 Repair distal hypospadias (ST5 & ST6) 3 Repair distal hypospadias (ST7) 4 Repair distal hypospadias (ST8) 1 Repair proximal hypospadias (ST5 & ST6) 2 Repair proximal hypospadias (ST7) 3 Repair proximal hypospadias (ST8) 1 Repair urethral fistula (ST5 & ST6) 2 Repair urethral fistula (ST7) 3 Repair urethral fistula (ST8)	

Topic	Upper tract obstruction (to include Pelvi-ureteric junction obstruction and Vesico-ureteric junction obstruction)	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Urology	
Sub-category:	None	
Objective	<i>To be able to assess a child presenting to the OP clinic or acutely with symptoms referable to the urinary tract</i> <i>To be able to formulate a differential diagnosis and an investigation and management plan</i> <i>To be able to treat the child appropriately up to and including operative intervention in selected cases</i> <i>To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source</i> <i>To be able to practice with integrity, respect and compassion</i>	
Knowledge	4 Likely modes of presentation 4 Place and value of investigations/ operative intervention 4 Differential diagnosis	
Clinical Skills	4 Ability to assess child 4 Ability to form a viable investigation and treatment plan 4 Ability to communicate with all relevant groups	Strongly recommended
Technical Skills and Procedures	2 Pyeloplasty (ST5 & ST6) 3 Pyeloplasty (ST7) 4 Pyeloplasty (ST8) 2 Nephrectomy (ST5) 3 Nephrectomy (ST6 & ST7) 4 Nephrectomy (ST8) 2 Heminephrectomy (ST5) 3 Heminephrectomy (ST6 & ST7) 4 Heminephrectomy (ST8)	Desirable

	<p>2 Insertion of percutaneous nephrostomy – with ultrasound guidance (ST5 – ST8)</p> <p>2 Insertion of open nephrostomy (ST5 & ST6)</p> <p>3 Insertion of open nephrostomy (ST7)</p> <p>4 Insertion of open nephrostomy (ST8)</p> <p>2 Insertion of JJ stent (ST5 & ST6)</p> <p>3 Insertion of JJ stent (ST7)</p> <p>4 Insertion of JJ stent (ST8)</p> <p>1 Ureteric reimplantation (ST5 & ST6)</p> <p>2 Ureteric reimplantation (ST7)</p> <p>3 Ureteric reimplantation (ST8)</p>	
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Topic	Posterior urethral valves	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Urology	
Sub-category:	None	
Objective	<p><i>To be able to assess a child presenting to the OP clinic or acutely with symptoms referable to the urinary tract</i></p> <p><i>To be able to formulate a differential diagnosis and an investigation and management plan</i></p> <p><i>To be able to treat the child appropriately up to and including operative intervention in selected cases</i></p> <p><i>To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	<p>4 Likely modes of presentation</p> <p>4 Place and value of investigations/ operative intervention</p> <p>4 Differential diagnosis</p>	
Clinical Skills	<p>4 Ability to assess child</p> <p>4 Ability to form a viable investigation and treatment plan</p> <p>4 Ability to communicate with all relevant groups</p>	Desirable Decision making
Technical Skills and Procedures	<p>1 Destruction of PUV (ST5 & ST6)</p> <p>2 Destruction of PUV (ST7)</p> <p>3 Destruction of PUV (ST8)</p> <p>2 Formation/closure of vesicostomy (ST5)</p> <p>3 Formation/closure of vesicostomy (ST6 & ST7)</p> <p>4 Formation/closure of vesicostomy (ST8)</p>	

Topic	Urinary tract calculus disease	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Urology	
Sub-category:	None	
Objective	<p><i>To be able to assess a child presenting to the OP clinic or acutely with symptoms referable to the urinary tract</i></p> <p><i>To be able to formulate a differential diagnosis and an investigation and management plan</i></p> <p><i>To be able to treat the child appropriately up to and including operative intervention in selected cases</i></p> <p><i>To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	<p>4 Likely modes of presentation</p> <p>3 Aetiological and biochemical factors</p> <p>3 Place and value of investigations/ operative and non-operative intervention</p> <p>3 Differential diagnosis</p>	
Clinical Skills	<p>4 Ability to assess child</p> <p>4 Ability to form a viable investigation and treatment plan</p> <p>4 Ability to communicate with all relevant groups</p>	
Technical Skills and Procedures	<p>2 Interventional management of urolithiasis (ST5 & ST6)</p> <p>3 Interventional management of urolithiasis (ST7 & ST8)</p>	

Topic	Bladder dysfunction (incl. neuropathic bladder)	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Urology	
Sub-category:	None	
Objective	<p><i>To be able to assess a child presenting to the OP clinic or acutely with symptoms referable to the urinary tract</i></p> <p><i>To be able to formulate a differential diagnosis and an investigation and management plan</i></p> <p><i>To be able to treat the child appropriately up to and including operative intervention in selected cases</i></p>	

	<p><i>To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	<p>3 Likely modes of presentation (ST5 & ST6)</p> <p>3 Differential diagnosis (ST5 & ST6)</p> <p>3 Place and value of investigations (ST5 & ST6)</p> <p>3 Knowledge of appropriate referral pathways (ST5 & ST6)</p> <p>4 Likely modes of presentation (ST7 & ST8)</p> <p>4 Differential diagnosis (ST7 & ST8)</p> <p>4 Place and value of investigations (ST7 & ST8)</p> <p>4 Knowledge of appropriate referral pathways (ST7 & ST8)</p>	
Clinical Skills	<p>3 Ability to assess child (ST5 & ST6)</p> <p>3 Ability to form a viable investigation and treatment plan (ST5 & ST6)</p> <p>3 Ability to communicate with all relevant groups (ST5& ST6)</p> <p>4 Ability to assess child (ST7 & ST8)</p> <p>4 Ability to form a viable investigation and treatment plan (ST7 & ST8)</p> <p>4 Ability to communicate with all relevant groups (ST7& ST8)</p>	Strongly recommended
Technical Skills and Procedures	<p>2 Cysto-urethroscopy (ST5)</p> <p>3 Cysto-urethroscopy (ST6)</p> <p>4 Cysto-urethroscopy (ST7 & ST8)</p> <p>2 Vesicostomy (ST5 & ST6)</p> <p>3 Vesicostomy (ST7)</p> <p>4 Vesicostomy (ST8)</p> <p>2 Closure of vesicostomy (ST5)</p> <p>3 Closure of vesicostomy (ST6)</p> <p>4 Closure of vesicostomy (ST7 & ST8)</p> <p>3 Suprapubic catheter (ST5 & ST6)</p> <p>4 Suprapubic catheter (ST7 & ST8)</p> <p>1 Endoscopic cauterisation of lesion of bladder (ST5 & ST6)</p> <p>2 Endoscopic cauterisation of lesion of bladder (ST7)</p> <p>3 Endoscopic cauterisation of lesion of bladder (ST8)</p> <p>2 Endoscopic management of clot from bladder (ST5 & ST6)</p> <p>3 Endoscopic management of clot from bladder (ST7)</p> <p>4 Endoscopic management of clot from bladder (ST8)</p> <p>1 Ileal bladder reconstruction (ST5 & ST6)</p> <p>2 Ileal bladder reconstruction (ST7)</p> <p>3 Ileal bladder reconstruction (ST8)</p> <p>1 Colonic bladder reconstruction (ST5 & ST6)</p>	Desirable

	2 Colonic bladder reconstruction (ST7) 3 Colonic bladder reconstruction (ST8) 1 Ureteric diversion (ST5 & ST6) 2 Ureteric diversion (ST7) 3 Ureteric diversion (ST8) 2 Mitrofanoff procedure (ST5 & ST6) 3 Mitrofanoff procedure (ST7) 4 Mitrofanoff procedure (ST8)	
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Topic	Renal failure	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Urology	
Sub-category:	None	
Objective	<p><i>To be able to assess a child presenting to the OP clinic or acutely with symptoms referable to the urinary tract</i></p> <p><i>To be able to formulate a differential diagnosis and an investigation and management plan</i></p> <p><i>To be able to treat the child appropriately up to and including operative intervention in selected cases</i></p> <p><i>To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	3 Likely modes of presentation 3 Differential diagnosis 3 Place and value of investigations 3 Knowledge of referral criteria to renal medical colleagues	
Clinical Skills	4 Ability to assess child 4 Ability to communicate with all relevant groups	
Technical Skills and Procedures	1 Ureteric un-diversion (ST5 & ST6) 2 Ureteric un-diversion (ST7) 3 Ureteric un-diversion (ST8) 2 Haemodialysis catheter insertion (ST5) 3 Haemodialysis catheter insertion (ST6) 4 Haemodialysis catheter insertion (ST7 & ST8) 3 PD catheter insertion/removal (ST5 & ST6) 4 PD catheter insertion/removal (ST7 & ST8)	

Topic	Bladder exstrophy (to include outlet anomalies e.g. epispadias)	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Urology	
Sub-category:	None	
Objective	<p><i>To be able to assess a child presenting to the OP clinic or acutely with symptoms referable to the urinary tract</i></p> <p><i>To be able to formulate a differential diagnosis and an investigation and management plan</i></p> <p><i>To be able to treat the child appropriately up to and including operative intervention in selected cases</i></p> <p><i>To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	<p>3 Likely modes of presentation</p> <p>3 Differential diagnosis</p> <p>3 Place and value of investigations</p>	
Clinical Skills	<p>4 Ability to assess child</p> <p>4 Ability to communicate with all relevant groups</p>	
Technical Skills and Procedures	<p>1 Closure of bladder neck (ST5 & ST6)</p> <p>2 Closure of bladder neck (ST7)</p> <p>3 Closure of bladder neck (ST8)</p> <p>1 Repair of bladder exstrophy (ST5 & ST6)</p> <p>2 Repair of bladder exstrophy (ST7) (specialist centre)</p> <p>3 Repair of bladder exstrophy (ST8) (specialist centre)</p> <p>1 Repair of epispadias (ST5 & ST6)</p> <p>2 Repair of epispadias (ST7) (specialist centre)</p> <p>3 Repair of epispadias (ST8) (specialist centre)</p>	

Topic	Duplication of urinary tract	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Urology	
Sub-category:	None	
Objective	<p><i>To be able to assess a child presenting to the OP clinic or acutely with symptoms referable to the urinary tract</i></p> <p><i>To be able to formulate a differential diagnosis and an investigation and management plan</i></p> <p><i>To be able to treat the child appropriately up to and including operative intervention in selected cases</i></p>	

	<i>To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source</i> <i>To be able to practice with integrity, respect and compassion</i>	
Knowledge	3 Likely modes of presentation 3 Embryological derivation and anatomical variants 3 Place and value of investigations/ operative intervention 3 Differential diagnosis	
Clinical Skills	4 Ability to assess child 4 Ability to form a viable investigation and treatment plan 4 Ability to communicate with all relevant groups	
Technical Skills and Procedures	1 Open +/- laparoscopic hemi-nephrectomy (ST5) 2 Open +/- laparoscopic hemi-nephrectomy (ST6) 3 Open +/- laparoscopic hemi-nephrectomy (ST7) 4 Open +/- laparoscopic hemi-nephrectomy (ST8) 1 Excision of ureterocele - ST5, ST6 2 Excision of ureterocele - ST7 3 Excision of ureterocele - ST8 1 Endoscopic incision of ureterocele ST5 2 Endoscopic incision of ureterocele ST6, ST7 3 Endoscopic incision of ureterocele ST8	

Topic	Urethral meatus	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Urology	
Sub-category:	None	
Objective	None	
Knowledge	None	
Clinical Skills	None	
Technical Skills and Procedures	2 Meatotomy - ST5 3 Meatotomy - ST6 4 Meatotomy - ST7, ST8 2 Meatoplasty -ST5 3 Meatoplasty -ST6 4 Meatoplasty -ST7, ST8 2 Urethral dilatation -ST5 3 Urethral dilatation -ST6 4 Urethral dilatation -ST7, ST8	

Topic	Epispadias	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Urology	
Sub-category:	None	
Objective	None	
Knowledge	None	
Clinical Skills	None	
Technical Skills and Procedures	2 Repair of epispadias - ST7 (specialist centre) 3 Repair of epispadias - ST8 (specialist centre)	

Topic	Vesico-ureteric reflux	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Urology	
Sub-category:	None	
Objective	None	
Knowledge	None	
Clinical Skills	None	
Technical Skills and Procedures	3 Cysto-urethroscopy (ST5 & ST6) 4 Cysto-urethroscopy (ST7 & ST8) 2 STING/deflux (ST5 & ST6) 3 STING/deflux (ST7) 4 STING/deflux (ST8) 1 Ureteric reimplantation ST5, ST6 2 Ureteric reimplantation ST7 3 Ureteric reimplantation ST8	

Topic	Small bowel duplications	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Neonatal Surgery	
Sub-category:	None	

Objective	<p><i>To understand the diagnosis and management of children presenting with congenital abnormalities in the neonatal period</i></p> <p><i>To be able to construct an appropriate management plan for these children</i></p> <p><i>To understand the place of operative management in the neonatal period and be able to carry this out in selected cases</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	<p>4 Mode of presentation both pre- and post natal</p> <p>4 Patho-physiology of the condition and anatomical variants</p> <p>4 Associated anomalies</p> <p>4 Outcome data on the condition</p>	
Clinical Skills	<p>4 Ability to assess child</p> <p>4 Ability to form a viable investigation and treatment plan</p> <p>4 Ability to communicate with all relevant groups</p>	
Technical Skills and Procedures	<p>2 Intestinal resection/anastomosis - ST5, ST6</p> <p>3 Intestinal resection/anastomosis - ST7</p> <p>4 Intestinal resection/anastomosis - ST8</p>	

Topic	Sacro coccygeal teratoma	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Neonatal Surgery	
Sub-category:	None	
Objective	<p><i>To understand the diagnosis and management of children presenting with congenital abnormalities in the neonatal period</i></p> <p><i>To be able to construct an appropriate management plan for these children</i></p> <p><i>To understand the place of operative management in the neonatal period and be able to carry this out in selected cases</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	<p>4 Mode of presentation both pre- and post natal</p> <p>4 Patho-physiology of the condition and anatomical variants</p> <p>4 Associated anomalies</p> <p>4 Outcome data on the condition</p> <p>4 Differing management strategies</p>	

	4 Role of prenatal counselling	
Clinical Skills	4 Ability to assess child 4 Ability to form a viable investigation and treatment plan 4 Ability to communicate with all relevant groups	
Technical Skills and Procedures	1 Excision of sacro coccygeal teratoma ST5, ST6 2 Excision of sacro coccygeal teratoma ST7 3 Excision of sacro coccygeal teratoma ST8	

Topic	Congenital diaphragmatic hernia	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Neonatal Surgery	
Sub-category:	None	
Objective	<i>To understand the diagnosis and management of children presenting with congenital abnormalities in the neonatal period To be able to construct an appropriate management plan for these children To understand the place of operative management in the neonatal period and be able to carry this out in selected cases To be able to practice with integrity, respect and compassion</i>	
Knowledge	4 Mode of presentation both pre- and post natal 4 Patho-physiology of the condition and anatomical variants 4 Associated anomalies 4 Outcome data on the condition 4 Differing management strategies 4 Role of pre-natal counselling	
Clinical Skills	4 Ability to assess child 4 Ability to form a viable investigation and treatment plan 4 Ability to communicate with all relevant groups	
Technical Skills and Procedures	2 Operation for diaphragmatic hernia (neonate) incl. eventration (ST5) 3 Operation for diaphragmatic hernia (neonate) incl. eventration (ST6 & ST7) 4 Operation for diaphragmatic hernia (neonate) incl. eventration (ST8)	

Topic	Intestinal Atresias	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Neonatal Surgery	
Sub-category:	None	
Objective	<p><i>To understand the diagnosis and management of children presenting with congenital abnormalities in the neonatal period</i></p> <p><i>To be able to construct an appropriate management plan for these children</i></p> <p><i>To understand the place of operative management in the neonatal period and be able to carry this out in selected cases</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	<p>4 Mode of presentation both pre- and post natal</p> <p>4 Anatomical variants</p> <p>4 Associated anomalies</p> <p>4 Outcome data on the condition</p> <p>4 Differing management strategies</p> <p>4 Role of pre-natal counselling</p>	
Clinical Skills	<p>4 Ability to assess child</p> <p>4 Ability to form a viable investigation and treatment plan</p> <p>4 Ability to communicate with all relevant groups</p>	Strongly recommended:
Technical Skills and Procedures	<p>2 Duodeno- duodenostomy (ST5)</p> <p>3 Duodeno- duodenostomy (ST6 & ST7)</p> <p>4 Duodeno- duodenostomy (ST8)</p> <p>2 Intestinal resection/anastomosis (ST5)</p> <p>3 Intestinal resection/anastomosis (ST6 & ST7)</p> <p>4 Intestinal resection/anastomosis (ST8)</p> <p>2 Stoma formation (ST5)</p> <p>3 Stoma formation (ST6 & ST7)</p> <p>4 Stoma formation (ST8)</p>	Desirable

Topic	Meconium Ileus	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Neonatal Surgery	
Sub-category:	None	
Objective	<i>To understand the diagnosis and management of children presenting with congenital abnormalities in the neonatal period</i>	

	<p><i>To be able to construct an appropriate management plan for these children</i></p> <p><i>To understand the place of operative management in the neonatal period and be able to carry this out in selected cases</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	<p>4 Mode of presentation both pre- and post natal</p> <p>4 Patho-physiology of the condition and anatomical variants</p> <p>4 Associated anomalies</p> <p>4 Outcome data on the condition</p> <p>4 Differing management strategies</p> <p>4 Role of pre-natal + genetic counselling</p>	
Clinical Skills	<p>4 Ability to assess child</p> <p>4 Ability to form a viable investigation and treatment plan</p> <p>4 Ability to communicate with all relevant groups</p>	
Technical Skills and Procedures	<p>2 Operation for meconium ileus (ST5)</p> <p>3 Operation for meconium ileus (ST6, ST7, ST8)</p>	

Topic	Malrotation	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Neonatal Surgery	
Sub-category:	None	
Objective	<p><i>To understand the diagnosis and management of children presenting with congenital abnormalities in the neonatal period</i></p> <p><i>To be able to construct an appropriate management plan for these children</i></p> <p><i>To understand the place of operative management in the neonatal period and be able to carry this out in selected cases</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	<p>4 Mode of presentation</p> <p>4 Patho-physiology of the condition and anatomical variants</p> <p>4 Associated anomalies</p> <p>4 Outcome data on the condition</p> <p>4 Differing management strategies</p>	

Clinical Skills	4 Ability to assess child 4 Ability to form a viable investigation and treatment plan 4 Ability to communicate with all relevant groups	
Technical Skills and Procedures	2 Correction of malrotation (ST5) 3 Correction of malrotation (ST6, ST7) 4 Correction of malrotation (ST8)	

Topic	Hirschsprungs disease	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Neonatal Surgery	
Sub-category:	None	
Objective	<i>To understand the diagnosis and management of children presenting with congenital abnormalities in the neonatal period To be able to construct an appropriate management plan for these children To understand the place of operative management in the neonatal period and be able to carry this out in selected cases To be able to practice with integrity, respect and compassion</i>	
Knowledge	4 Mode of presentation both pre- and post natal 3 Patho-physiology of the condition and anatomical variants 4 Associated anomalies 4 Outcome data on the condition 4 Differing management strategies 4 Role of genetic counselling	
Clinical Skills	4 Ability to assess child 4 Ability to form a viable investigation and treatment plan 4 Ability to communicate with all relevant groups	
Technical Skills and Procedures	3 Rectal biopsy (ST5) 4 Rectal biopsy (ST6, ST7, ST8) 4 Rectal washout 1 Trans-anal pull through – open or laparoscopically assisted (ST5 & ST6) 2 Trans-anal pull through – open or laparoscopically assisted (ST7) 3 Trans-anal pull through – open or laparoscopically assisted (ST8) 1 Pull through (Duhamel procedure, Soave, Swenson) - ST5	

	2 Pull through (Duhamel procedure, Soave, Swenson) - ST6, ST7 3 Pull through (Duhamel procedure, Soave, Swenson) - ST8	
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Topic	Oesophageal Atresia and Tracheo-oesophageal fistula	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Neonatal Surgery	
Sub-category:	None	
Objective	<i>To understand the diagnosis and management of children presenting with congenital abnormalities in the neonatal period To be able to construct an appropriate management plan for these children To understand the place of operative management in the neonatal period and be able to carry this out in selected cases To be able to practice with integrity, respect and compassion</i>	
Knowledge	4 Mode of presentation both pre- and post natal 4 Patho-physiology of the condition and anatomical variants 4 Associated anomalies 4 Outcome data on the condition 4 Differing management strategies 4 Role of pre-natal counselling	
Clinical Skills	4 Ability to assess child 4 Ability to form a viable investigation and treatment plan 4 Ability to communicate with all relevant groups	
Technical Skills and Procedures	2 Operation for oesophageal atresia/TOF (ST5 & ST6) 3 Operation for oesophageal atresia/TOF (ST7) 4 Operation for oesophageal atresia/TOF (ST8) 1 Repair of H fistula (ST5 & ST6) 2 Repair of H fistula (ST7 & ST8) 1 Repair of recurrent fistula (ST5, ST6, ST7) 2 Repair of recurrent fistula (ST8) 1 Oesophageal dilatation (neonatal) - ST5 & ST6 2 Oesophageal dilatation (neonatal) - ST7 3 Oesophageal dilatation (neonatal) - ST8 1 Oesophageal replacement 1 Aortopexy	

Topic	Anorectal Malformations	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Neonatal Surgery	
Sub-category:	None	
Objective	<p><i>To understand the diagnosis and management of children presenting with congenital abnormalities in the neonatal period</i></p> <p><i>To be able to construct an appropriate management plan for these children</i></p> <p><i>To understand the place of operative management in the neonatal period and be able to carry this out in selected cases</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	<p>4 Mode of presentation both pre- and post natal</p> <p>4 Patho-physiology of the condition and anatomical variants</p> <p>4 Associated anomalies</p> <p>4 Outcome data on the condition</p> <p>4 Differing management strategies</p> <p>4 Role of pre-natal counselling</p>	
Clinical Skills	<p>4 Ability to assess child</p> <p>4 Ability to form a viable investigation and treatment plan</p> <p>4 Ability to communicate with all relevant groups</p>	
Technical Skills and Procedures	<p>2 Anoplasty (ST5 & ST6)</p> <p>3 Anoplasty (ST7)</p> <p>4 Anoplasty (ST8)</p> <p>3 Sigmoid colostomy (ST5)</p> <p>4 Sigmoid colostomy (ST6, ST7, ST8)</p> <p>1 PSARP (ST5 & ST6)</p> <p>2 PSARP (ST7)</p> <p>3 PSARP (ST8)</p>	

Topic	Necrotising Enterocolitis	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Neonatal Surgery	
Sub-category:	None	
Objective	<i>To understand the diagnosis and management of children presenting with congenital abnormalities in the neonatal period</i>	

	<p><i>To be able to construct an appropriate management plan for these children</i></p> <p><i>To understand the place of operative management in the neonatal period and be able to carry this out in selected cases</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	<p>4 Mode of presentation</p> <p>4 Patho-physiology of the condition</p> <p>4 Associated anomalies</p> <p>4 Outcome data on the condition</p> <p>4 Differing management strategies</p>	
Clinical Skills	<p>4 Ability to assess child</p> <p>4 Ability to form a viable investigation and treatment plan</p> <p>4 Ability to communicate with all relevant groups</p>	
Technical Skills and Procedures	<p>2 Laparotomy and proceed (ST5 & ST6)</p> <p>3 Laparotomy and proceed (ST7)</p> <p>4 Laparotomy and proceed (ST8)</p> <p>2 Intestinal resection/anastomosis (ST5 & ST6)</p> <p>3 Intestinal resection/anastomosis (ST7)</p> <p>4 Intestinal resection/anastomosis (ST8)</p>	

Topic	Neonatal Abdominal Wall Defects	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Neonatal Surgery	
Sub-category:	None	
Objective	<p><i>To understand the diagnosis and management of children presenting with congenital abnormalities in the neonatal period</i></p> <p><i>To be able to construct an appropriate management plan for these children</i></p> <p><i>To understand the place of operative management in the neonatal period and be able to carry this out in selected cases</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	<p>4 Mode of presentation both pre- and post natal</p> <p>4 Patho-physiology of the condition and anatomical variants</p> <p>4 Associated anomalies</p> <p>4 Outcome data on the condition</p> <p>4 Differing management strategies</p> <p>4 Role of pre-natal counselling</p>	

Clinical Skills	4 Ability to assess child 4 Ability to form a viable investigation and treatment plan 4 Ability to communicate with all relevant groups	Desirable Human factors
Technical Skills and Procedures	2 Repair of gastroschisis (ST5) 3 Repair of gastroschisis (ST6 & ST7) 4 Repair of gastroschisis (ST8) 3 Application of preformed silo (ST5 & ST6) 4 Application of preformed silo (ST7 & ST8) 2 Repair of exomphalos (ST5) 3 Repair of exomphalos (ST6 & ST7) 4 Repair of exomphalos (ST8)	Desirable

Topic	Disorders of sex development	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Neonatal Surgery	
Sub-category:	None	
Objective	<i>To understand the diagnosis and management of children presenting with congenital abnormalities in the neonatal period To be able to construct an appropriate management plan for these children To understand the place of operative management in the neonatal period and be able to carry this out in selected cases To be able to practice with integrity, respect and compassion</i>	
Knowledge	3 Mode of presentation both pre- and post natal 3 Patho-physiology of the condition and anatomical variants 3 Associated anomalies 3 Outcome data on the condition 3 Differing management strategies 3 Role of genetic counselling	
Clinical Skills	4 Ability to assess child 4 Ability to form a viable investigation and treatment plan 4 Ability to communicate with all relevant groups	
Technical Skills and Procedures	None	

Topic	Antenatal management	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Neonatal Surgery	
Sub-category:	None	
Objective	<p><i>To understand the diagnosis and management of children presenting with congenital abnormalities in the neonatal period</i></p> <p><i>To be able to construct an appropriate management plan for these children</i></p> <p><i>To understand the place of operative management in the neonatal period and be able to carry this out in selected cases</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	<p>4 Likely modes of presentation of different conditions</p> <p>4 Place and value of investigations</p> <p>Types of and indications for antenatal intervention</p> <p>4 Role of ante-natal counselling</p>	
Clinical Skills	<p>4 Ability to counsel and inform parents</p> <p>4 Ability to form a viable investigation and treatment plan</p> <p>Ability to communicate with all relevant groups</p>	Strongly recommended
Technical Skills and Procedures	None	

Topic	Wilms Tumour	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Oncology	
Sub-category:	None	
Objective	<p><i>To understand the presentation and management of childhood tumours</i></p> <p><i>To be able to formulate a differential diagnosis and an investigation and management plan</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	<p>4 Mode of clinical presentation</p> <p>4 Differential diagnosis</p> <p>3 Relevant basic science knowledge of oncogenesis</p> <p>4 Outcome data of treatment modalities</p>	

	4 Role of surgery	
Clinical Skills	4 Ability to assess child 4 Ability to form a viable investigation and treatment plan 4 Ability to communicate with all relevant groups	
Technical Skills and Procedures	2 Nephro-ureterectomy/nephrectomy for Wilms (ST5 & ST6) 3 Nephro-ureterectomy/nephrectomy for Wilms (ST7 & ST8)	

Topic	Neuroblastoma	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Oncology	
Sub-category:	None	
Objective	<i>To understand the presentation and management of childhood tumours To be able to formulate a differential diagnosis and an investigation and management plan To be able to practice with integrity, respect and compassion</i>	
Knowledge	4 Mode of clinical presentation 4 Differential diagnosis #3 Relevant basic science knowledge of oncogenesis 4 Outcome data of treatment modalities 4 Role of surgery	
Clinical Skills	4 Ability to assess child 4 Ability to form a viable investigation and treatment plan 4 Ability to communicate with all relevant groups	
Technical Skills and Procedures	1 Surgery for neuroblastoma (ST5 & ST6) 2 Surgery for neuroblastoma (ST7) 3 Surgery for neuroblastoma (ST8)	

Topic	Hepatoblastoma	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Oncology	
Sub-category:	None	
Objective	<i>To understand the presentation and management of childhood tumours To be able to formulate a differential diagnosis and an investigation and management plan To be able to practice with integrity, respect and compassion</i>	
Knowledge	4 Mode of clinical presentation 4 Differential diagnosis 3 Relevant basic science knowledge of oncogenesis 4 Outcome data of treatment modalities 4 Role of surgery	
Clinical Skills	4 Ability to assess child 4 Ability to form a viable investigation and treatment plan 4 Ability to communicate with all relevant groups	
Technical Skills and Procedures	1 Surgery for hepatoblastoma (ST5 & ST6) only at specialist centre 2 Surgery for hepatoblastoma (ST7) only at specialist centre 3 Surgery for hepatoblastoma (ST8) only at specialist centre	

Topic	Soft tissue tumours	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Oncology	
Sub-category:	None	
Objective	<i>To understand the presentation and management of childhood tumours To be able to formulate a differential diagnosis and an investigation and management plan To be able to practice with integrity, respect and compassion</i>	
Knowledge	4 Mode of clinical presentation 4 Differential diagnosis 3 Relevant basic science knowledge of oncogenesis 4 Outcome data of treatment modalities	

	4 Role of surgery	
Clinical Skills	4 Ability to assess child 4 Ability to form a viable investigation and treatment plan 4 Ability to communicate with all relevant groups	
Technical Skills and Procedures	1 Local excision soft tissue tumour (ST5, ST6) 2 Local excision soft tissue tumour (ST7) 3 Local excision soft tissue tumour (ST8)	

Topic	Haematological malignancies	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Oncology	
Sub-category:	None	
Objective	<i>To understand the presentation and management of childhood tumours To be able to formulate a differential diagnosis and an investigation and management plan To be able to practice with integrity, respect and compassion</i>	
Knowledge	3 Mode of clinical presentation 3 Differential diagnosis 3 Relevant basic science knowledge of oncogenesis 3 Management strategies and basic outcome data of treatment modalities	
Clinical Skills	4 Ability to assess child 4 Ability to communicate with all relevant groups	
Technical Skills and Procedures	2 Cervical Lymph node biopsy (ST5) 3 Cervical Lymph node biopsy (ST6 & ST7) 4 Cervical Lymph node biopsy (ST8)	

Topic	Benign tumours	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Oncology	
Sub-category:	None	
Objective	<i>To understand the presentation and management of childhood tumours</i>	

	<i>To be able to formulate a differential diagnosis and an investigation and management plan To be able to practice with integrity, respect and compassion</i>	
Knowledge	4 Mode of clinical presentation 4 Differential diagnosis 3 Relevant basic science knowledge of oncogenesis 4 Outcome data of treatment modalities 4 Role of surgery	
Clinical Skills	4 Ability to assess child 4 Ability to form a viable investigation and treatment plan 4 Ability to communicate with all relevant groups	
Technical Skills and Procedures	2 Oophorectomy (ST5) 3 Oophorectomy (ST6 & ST7) 4 Oophorectomy (ST8) 2 Oophero-salpingectomy (ST5) 3 Oophero-salpingectomy (ST6 & ST7) 4 Oophero-salpingectomy (ST8)	

Topic	Generic procedures	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Oncology	
Sub-category:	None	
Objective	<i>None ??</i>	
Knowledge	None	
Clinical Skills	None	
Technical Skills and Procedures	2 Tumour biopsy ST5 Tumour biopsy ST6, ST7 4 Tumour biopsy ST8	Desirable

Topic	Adrenal gland	Areas in which simulation should be used to develop relevant skills
Category	Endocrine conditions	
Sub-category:	None	
Objective	<i>None</i>	
Knowledge	None	

Clinical Skills	None	
Technical Skills and Procedures	1 Adrenalectomy (ST5 & ST6) 2 Adrenalectomy (ST7 & ST8)	

Topic	Disease of the thyroid gland	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Endocrine conditions	
Sub-category:	None	
Objective	<i>To understand the presenting symptoms of endocrine conditions in childhood and their management To be able to formulate a differential diagnosis and an investigation and management plan To be able to identify the need for surgery and influence of endocrine conditions on surgery To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source To be able to practice with integrity, respect and compassion</i>	
Knowledge	3 Likely modes of presentation 3 Differential diagnosis 3 Place and value of investigations 3 Knowledge of appropriate referral pathways	
Clinical Skills	4 Ability to assess child 4 Ability to form a viable investigation and treatment plan 4 Ability to communicate with all relevant groups	
Technical Skills and Procedures	1 Thyroidectomy (ST5 & ST6) 2 Thyroidectomy (ST7 & ST8)	

Topic	Parathyroid disease	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Endocrine conditions	
Sub-category:	None	
Objective	<i>To understand the presenting symptoms of endocrine conditions in childhood and their management</i>	

	<p><i>To be able to formulate a differential diagnosis and an investigation and management plan</i></p> <p><i>To be able to identify the need for surgery and influence of endocrine conditions on surgery</i></p> <p><i>To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	<p>3 Likely modes of presentation</p> <p>3 Differential diagnosis</p> <p>3 Place and value of investigations</p> <p>3 Knowledge of appropriate referral pathways</p>	
Clinical Skills	<p>4 Ability to assess child</p> <p>4 Ability to form a viable investigation and treatment plan</p> <p>4 Ability to communicate with all relevant groups</p>	
Technical Skills and Procedures	None	

Topic	Diabetes	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Endocrine conditions	
Sub-category:	None	
Objective	<p><i>To understand the presenting symptoms of endocrine conditions in childhood and their management</i></p> <p><i>To be able to formulate a differential diagnosis and an investigation and management plan</i></p> <p><i>To be able to identify the need for surgery and influence of endocrine conditions on surgery</i></p> <p><i>To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	<p>3 Likely modes of presentation</p> <p>3 Differential diagnosis</p> <p>3 Place and value of investigations</p> <p>3 Knowledge of appropriate referral pathways</p>	
Clinical Skills	<p>4 Ability to assess child</p> <p>3 Ability to form a viable investigation and treatment plan</p>	

	4 Ability to communicate with all relevant groups	
Technical Skills and Procedures	3 OGD (ST5) 4 OGD (ST6, ST7, ST8)	

Topic	Disorders of Growth	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Endocrine conditions	
Sub-category:	None	
Objective	<p><i>To understand the presenting symptoms of endocrine conditions in childhood and their management</i></p> <p><i>To be able to formulate a differential diagnosis and an investigation and management plan</i></p> <p><i>To be able to identify the need for surgery and influence of endocrine conditions on surgery</i></p> <p><i>To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	<p>3 Likely modes of presentation</p> <p>3 Differential diagnosis</p> <p>3 Place and value of investigations</p> <p>3 Knowledge of appropriate referral pathways</p>	
Clinical Skills	<p>4 Ability to assess child</p> <p>3 Ability to form a viable investigation and treatment plan</p> <p>4 Ability to communicate with all relevant groups</p>	
Technical Skills and Procedures	3 OGD (ST5) 4 OGD (ST6, ST7, ST8)	

Topic	Disorders of secondary sexual development	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Endocrine conditions	
Sub-category:	None	
Objective	<p><i>To understand the presenting symptoms of endocrine conditions in childhood and their management</i></p> <p><i>To be able to formulate a differential diagnosis and an investigation and management plan</i></p>	

	<p><i>To be able to identify the need for surgery and influence of endocrine conditions on surgery</i></p> <p><i>To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	<p>3 Likely modes of presentation</p> <p>Differential diagnosis</p> <p>3 Place and value of investigations</p> <p>3 Knowledge of appropriate referral pathways</p>	
Clinical Skills	<p>4 Ability to assess child</p> <p>3 Ability to form a viable investigation and treatment plan</p> <p>4 Ability to communicate with all relevant groups</p>	
Technical Skills and Procedures	<p>1 Subcutaneous mastectomy (ST5 & ST6)</p> <p>2 Subcutaneous mastectomy (ST7)</p> <p>3 Subcutaneous mastectomy (ST8)</p>	

Topic	Chest wall anomalies	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Thoracic Anomalies	
Sub-category:	None	
Objective	<p><i>To understand the presenting symptoms of thoracic anomalies in childhood and their management</i></p> <p><i>To be able to formulate a differential diagnosis and an investigation and management plan</i></p> <p><i>To identify the place of surgery</i></p> <p><i>To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	<p>4 Likely modes of presentation</p> <p>4 Differential diagnosis</p> <p>4 Place and value of investigations</p> <p>4 Knowledge of appropriate referral pathways</p> <p>4 Outcomes of surgery</p>	
Clinical Skills	<p>4 Ability to assess child</p> <p>4 Ability to form a viable investigation and treatment plan</p> <p>4 Ability to communicate with all relevant groups</p>	

Technical Skills and Procedures	1 Repair pectus excavatum (ST5 & ST6) 2 Repair pectus excavatum (ST7 & ST8) 1 Repair pectus carinatum (ST5 & ST6) 2 Repair pectus carinatum (ST7 & ST8)	
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Topic	Congenital and acquired lung abnormalities including management of empyema	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Thoracic Anomalies	
Sub-category:	None	
Objective	<i>To understand the presenting symptoms of thoracic anomalies in childhood and their management To be able to formulate a differential diagnosis and an investigation and management plan To identify the place of surgery To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source To be able to practice with integrity, respect and compassion</i>	
Knowledge	4 Likely modes of presentation 4 Differential diagnosis 4 Place and value of investigations 3 Knowledge of developmental embryology and pertinent anatomy 4 Knowledge of appropriate referral pathways 4 Outcomes of surgery	
Clinical Skills	4 Ability to assess child 3 Ability to form a viable investigation and treatment plan 4 Ability to communicate with all relevant groups	Strongly recommended
Technical Skills and Procedures	2 Thoracotomy (ST5 & ST6) 3 Thoracotomy (ST7) 4 Thoracotomy (ST8) 1 Open biopsy of lung (ST5 & ST6) 2 Open biopsy of lung (ST7) 3 Open biopsy of lung (ST8) 1 Pulmonary lobectomy (ST5 & ST6) 2 Pulmonary lobectomy (ST7) 3 Pulmonary lobectomy (ST8) 1 Excision of extra lobar sequestration (ST5 & ST6) 2 Excision of extra lobar sequestration (ST7) 3 Excision of extra lobar sequestration (ST8) 2 Aspiration of pleural cavity (ST5) 3 Aspiration of pleural cavity (ST6)	Desirable

	4 Aspiration of pleural cavity (ST7 & ST8) 2 Insertion of open chest drain (ST5) 3 Insertion of open chest drain (ST6) 4 Insertion of open chest drain (ST7 & ST8) 2 Insertion of percutaneous chest drain (ST5) 3 Insertion of percutaneous chest drain (ST6) Insertion of percutaneous chest drain (ST7 & ST8) 1 Open/thoracoscopic pleural debridement - ST5 Open/thoracoscopic pleural debridement - ST6 3 Open/thoracoscopic pleural debridement - ST7 4 Open/thoracoscopic pleural debridement - ST8 1 Rigid bronchoscopy -ST5, ST6 2 Rigid bronchoscopy -ST7, ST8 1 Fibreoptic bronchoscopy -ST5, ST6 2 Fibreoptic bronchoscopy -ST7, ST8	
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Topic	Tracheal anomalies	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Thoracic Anomalies	
Sub-category:	None	
Objective	<i>To understand the presenting symptoms of thoracic anomalies in childhood and their management</i> <i>To be able to formulate a differential diagnosis and an investigation and management plan</i> <i>To identify the place of surgery</i> <i>To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source</i> <i>To be able to practice with integrity, respect and compassion</i>	
Knowledge	3 Likely modes of presentation 3 Differential diagnosis 3 Place and value of investigations 3 Knowledge of developmental embryology and pertinent anatomy 3 Knowledge of appropriate referral pathways 3 Outcomes of surgery	
Clinical Skills	4 Ability to assess child 4 Ability to form a viable investigation and treatment plan 4 Ability to communicate with all relevant groups	
Technical Skills and Procedures	1 Tracheostomy (ST5, ST6, ST7, ST8) 1 Rigid bronchoscopy (ST5 & ST6) 2 Rigid bronchoscopy (ST7 &ST8)	

	1 Fiberoptic bronchoscopy (ST5 & ST6) 2 Fiberoptic bronchoscopy (ST7 & ST8)	
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Topic	Inhaled /aspirated /ingested foreign body	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Thoracic Anomalies	
Sub-category:	None	
Objective	<p><i>To understand the presenting symptoms of thoracic anomalies in childhood and their management</i></p> <p><i>To be able to formulate a differential diagnosis and an investigation and management plan</i></p> <p><i>To identify the place of surgery</i></p> <p><i>To be able to communicate the above information at the required level to patients/ parents/ other team members/ referral source</i></p> <p><i>To be able to practice with integrity, respect and compassion</i></p>	
Knowledge	<p>4 Likely modes of presentation</p> <p>4 Differential diagnosis</p> <p>4 Place and value of investigations</p> <p>4 Knowledge of developmental embryology and pertinent anatomy</p> <p>4 Knowledge of appropriate referral pathways</p> <p>4 Outcomes of surgery</p>	
Clinical Skills	<p>4 Ability to assess child</p> <p>4 Ability to form a viable investigation and treatment plan</p> <p>4 Ability to communicate with all relevant groups</p>	
Technical Skills and Procedures	2 Rigid bronchoscopic removal of FB from bronchus (ST5, ST6, ST7, ST8)	

Topic	Pre-operative care	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Operative skills	
Sub-category:	None	
Objective	<i>To ensure the trainee has reached a level of competence in a range of basic operative procedures.</i>	
Knowledge	3 Indications for surgery	

	<ul style="list-style-type: none"> 3 Required preparation for surgery to include necessary pre-operative investigations 3 Outcomes and complications of surgery 3 Knowledge of the admission process 	
Clinical Skills	<ul style="list-style-type: none"> 3 Synthesis of history and examination into operative management plan 3 Ability to explain procedure and outcomes to patient and parents at an appropriate level 3 To be able to take informed consent 3 To construct an appropriate theatre list 3 To follow the admission procedure 	
Technical Skills and Procedures	No content	

Topic	Intra-operative care	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Operative skills	
Sub-category:	None	
Objective	<i>To ensure the trainee has reached a level of competence in a range of basic operative procedures.</i>	
Knowledge	<ul style="list-style-type: none"> 3 Anatomy to be encountered during procedure (ST5 & ST6) 3 Steps involved in operative procedure (ST5 & ST6) 3 Knowledge of alternative procedures in case of encountering difficulties (ST5 & ST6) 3 Potential complications of procedure (ST5 & ST6) 4 Anatomy to be encountered during procedure (ST7 & ST8) 4 Steps involved in operative procedure (ST7 & ST8) 4 Knowledge of alternative procedures in case of encountering difficulties (ST7 & ST8) 4 Potential complications of procedure (ST7 & ST8) 	
Clinical Skills	<ul style="list-style-type: none"> 3 Necessary hand-eye dexterity to complete procedure (ST5 & ST6) 3 Appropriate use of assistance (ST5 & ST6) 3 Communication with other members of theatre team (ST5 & ST6) 4 Necessary hand-eye dexterity to complete procedure (ST7 & ST8) 4 Appropriate use of assistance (ST7 & ST8) 	

	4 Communication with other members of theatre team (ST7 & ST8)	
Technical Skills and Procedures	4 Open and laparoscopic operative skills	Strongly recommended

Topic	Post-operative care	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Operative skills	
Sub-category:	None	
Objective	<i>To ensure the trainee has reached a level of competence in a range of basic operative procedures.</i>	
Knowledge	3 Outcomes of procedure 3 Likely post-operative progress from disease process and intervention 3 Physiological and pathological changes in condition as a result of intervention	
Clinical Skills	3 Assessment of patient and physiological parameters 3 Appropriate intervention to deal with changing parameters 3 Communication skills for dealing with team members, patients and parents 3 Ability to prioritise interventions	
Technical Skills and Procedures	No content	

Topic	NHS Structure	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Management	
Sub-category:	None	
Objective	<i>To understand the current structure and function of the NHS To develop an understanding of leadership qualities required of a consultant To develop the ability to support colleagues and peers in the delivery of care</i>	
Knowledge	3 Current structure of NHS in the different parts of the UK (relative to where the trainee is working)	

	<p>3 Role of Department of Health (England) and its equivalent bodies in Northern Ireland, Scotland and Wales</p> <p>3 Role of Strategic Health Authority (England) and its equivalent bodies in Northern Ireland, Scotland and Wales</p> <p>3 Role of regulatory agencies</p>	
Clinical Skills	3 Ability to identify impact of structures / changes on delivery of care	
Technical Skills and Procedures	No content	

Topic	Trust/Hospital/Health Authority Managerial structures	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Management	
Sub-category:	None	
Objective	<p><i>To understand the current structure and function of the NHS in the different parts of the UK</i></p> <p><i>To develop an understanding of leadership qualities required of a consultant</i></p> <p><i>To develop the ability to support colleagues and peers in the delivery of care</i></p>	
Knowledge	<p>3 Local managerial structures</p> <p>3 Alternative model(s) of management</p> <p>3 Roles of Executive /Non -executive board members</p> <p>3 Roles of different depts e.g.</p> <p>3 Finance</p> <p>3 Human resources</p> <p>3 Risk management etc.</p>	
Clinical Skills	3 Ability to interact appropriately with Trust structures to help in service delivery	
Technical Skills and Procedures	No content	

Topic	Leadership	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Management	
Sub-category:	None	
Objective	<i>To understand the current structure and function of the NHS To develop an understanding of leadership qualities required of a consultant To develop the ability to support colleagues and peers in the delivery of care</i>	Desirable
Knowledge	3 Differences between leadership and management 3 Different styles of leadership and their uses 3 Personal leadership styles 3 Roles of leaders in teams 3 NHS Leadership Qualities Framework	
Clinical Skills	3 Ability to identify own style of leadership 3 Ability to utilise appropriate style to management of managerial issues 3 Ability to lead a team of peers and colleagues in a project (research/audit/managerial)	Strongly recommended Leadership Management Desirable Team working
Technical Skills and Procedures	No content	

Topic	Supporting training	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Management	
Sub-category:	None	
Objective	<i>To develop the skills required to support training of peers and colleagues.</i>	
Knowledge	3 Principles of coaching, training and mentoring Principles and uses of assessment and appraisal 3 Differing styles of feedback and their appropriate use 3 Knowledge of career pathways 3 Indicators of 'poor performance' 3 Teaching styles and their uses (see section 1.6)	

Clinical Skills	<ul style="list-style-type: none"> 3 Ability to train junior trainees 3 Ability to provide appropriate guidance to trainees through use of techniques of feedback, appraisal and assessment 3 Ability to support poor performers appropriately 3 Ability to give career advice 3 Ability to support colleagues through use of appraisal and revalidation mechanisms 	
Technical Skills and Procedures	No content	

Topic	Interview process	<i>Areas in which simulation should be used to develop relevant skills</i>
Category	Management	
Sub-category:	None	
Objective	<i>To be able to participate appropriately in interview process.</i>	
Knowledge	<ul style="list-style-type: none"> 3 Role of interview in selecting candidates for training 3 Use of different types of interview 3 Role of panel members 3 Legal requirements of panel members with respect to Employment and Equal Opportunities legislation 	
Clinical Skills	<ul style="list-style-type: none"> 3 Ability to ask appropriate questions depending on style of interview 3 Ability to provide feedback for both successful and unsuccessful candidates 3 Completion of paperwork for committee 	
Technical Skills and Procedures	No content	