



JETS course overview

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JAG

Joint Advisory Group
on GI Endoscopy



Table of Contents

Background to document.....	3
Trainer feedback template	4
Endoscopy course codes	5
Generic example of feedback form.....	7
Courses removed from JETS in December 2013	8
Courses requiring further information.....	8
Training courses advertised on JETS	9
Basic skills in upper gastrointestinal endoscopy	9
Basic skills in colonoscopy.....	11
Basic skills in flexible sigmoidoscopy	13
Basic skills in upper GI therapeutic endoscopy	15
Basic skills in lower GI (paediatric)	16
Basic skills in GI endoscopic ultrasound (EUS).....	18
Training the endoscopic trainer courses	19
Training the colonoscopy trainers (patient)/ Training the gastroscopy trainers (patient).....	20
Training the ERCP trainers (patient)	21
Training the endoscopic trainer (model).....	22
Training the colonoscopy trainer (paediatric)	23
Training the EUS trainers	24
Colonoscopy & polypectomy improvement.....	25
Lower GI polypectomy skills.....	26
Preparation for Bowel Cancer Screening	27
Preparation for Bowel Cancer Screening: Bowel Scope	28
Upskilling in Colonoscopy	29
Sharing Best Colonoscopy Practice	30
Endoscopic simulator course.....	31
Enhancing Performance and Outcomes at ERCP	32
ERCP skills training.....	33
PEG insertion course	35
Basic Skills UGI Course (Paediatric).....	36
Introduction to ERCP Course	37



Background to document

This document aims to summarise the courses that are currently advertised on JETS. It is acknowledged that there have been some assumptions made and some extrapolation of concepts and ideas. However, in the absence of feedback prior to the release of this document this was unavoidable.

It is strongly recommended that all training centres regularly cross check their courses against those on JETS, paying particular reference to the learning objectives assigned to those courses run by a training centre. It is based on these learning objectives that much of the QA process will be based.

Please check for accuracy and any inconsistencies as well as grammatical errors. Please track any changes before submitting suggested revisions. There is no guarantee that suggestions will be acted on, but all will be given due consideration by the JAG QA-T group.

Please note that some of the courses do not contain all information required to be uploaded onto JETS. This information needs to be available for all courses. Without the information the courses will not be uploaded. If you are running a course please check all the information for those courses is provided or sent in an amended document.

- Previous code and title if this exists
- Overview and aims (limit any overview to 5 lines max)
- Type (hands on with patient, animal model, simulator, etc)
- Target audience
- Duration
- List of learning objectives

With the redevelopment of JETS it is anticipated that the system will not only function as a booking system for the courses, but will also provide QA (quality assurance) feedback from each of the courses.

To help simplify the bookings process, the courses have been re-coded and if necessary similar courses given the same codes. This is to help delegates ensure they are able to clearly identify the type of course they are looking for and if desired, compare similar courses provided by different training centres. Aspects of the QA from the courses will form part of the information available to potential delegates to aid in their selection prior to booking.

Completion of feedback forms will be mandatory to receive a course certificate. Delegates will need to provide feedback on the course and the teaching faculty

There is a generic framework to the feedback form, which is shown below in Fig 3. In addition each course will need to have clear learning objectives. The learning objectives need to be clear and relevant to the individual courses. For any submission to have new courses uploaded onto JETS, these learning objectives will be reviewed and if necessary amended by the JAG QA-T group. The group will also determine if a new code is needed for the course submitted, or if an existing code already covers the course.

GIN courses have been omitted from this document.

Trainer feedback template

The trainer feedback form that is currently on JETS will be replaced by an updated version. The rationale for this change is outlined in Table 1. The original feedback will remain on JETS and be accessible through each individual's portfolio. The new feedback form is shown in Table 2.

Table 1. Trainer feedback form

Assessment statement	Strongly disagree	Disagree	Neutral	Agree	Strongly Agree
Was this a worthwhile experience					
Enabled a learning environment/experience					
Taught me at an appropriate level for my needs					
Gave me individual and specific skills teaching					
Gives me useful and constructive feedback					
Evaluates me fairly					
Promotes reflective learning and increases personal insight into my practice					
Works well as part of a team					
Is a good role model for training					
Is a skilled teacher					

Overall quality of training episode/course	Above expectation	Met expectation	Below expectation
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Comments

These comments are anonymous. Please make these comments as specific as possible, detailing what was good or bad and how the trainer could improve their training skills

Endoscopy course codes

To try to simplify coding and help potential delegates all courses have been recoded. Table 3 below explains how the courses are coded. At this time there is agreement that JETS will only advertise hands-on courses. These can be using simulators, animals, patient or a combination. Courses which are predominantly classroom based but with the option of hands-on offered are classified as C type, hands-on training is available but not necessarily utilized by all the delegates (e.g. Best practice days).

For some existing courses, the codes and names have been changed. The learning objectives have been revised. Table 3 gives some examples of how this proposed coding system would be implemented.

This document attempts to summarise the existing course and where relevant outlines the proposed changes for courses.

Table 2. Abbreviations used in coding

*see above, must have hands on component

Area	Upper GI	G	Gastroscopy
	Lower GI	C	Colonoscopy
	Lower GI	F	Flexible sigmoidoscopy
	Both lower and upper GI	B	
	ERCP	R	
	EUS	U	
	Enteroscopy	E	e.g. double balloon
Mode	Diagnostic	D	
	Therapeutic	T	
	Trainers	R	TTT courses
	BCSP	B	BCSP related
Type	Patients	P	
	Animal model	A	
	Model/simulator	M	
	Classroom*	C	
Duration	Days	x	
Mandatory	JAG requirement	(M)	
Paediatric	Paediatric focus	(P)	

Table 3. Examples of new codes

Area	Mode	Type	Duration (days)	New code	Current course
C	T	A	1	LTA1	Polypectomy course (animal)
G	D	P	3	GDP3(M)	Basic Upper GI (Mandatory)
C	T	P	1	CTP1	Polypectomy course (patient)
C	T	C	1	CTC1	Sharing Best Practice
C	D	P	3	CDP3(M)	Basic Lower GI (Mandatory)
C	R	P	2	CRP2	Training the colonoscopy Trainers (TCT)
G	R	P	2	GRP2	Training the gastroscopy Trainers (TGT)
C	D	P	3	CDP3(P)	Basic Lower GI (Paediatric)

Generic example of feedback form

This evaluation form is based on the learning outcomes of this course which are shown below. Once completed the information can be used as part of the quality assurance process for the course.

Evaluation of Course		
<input checked="" type="checkbox"/> Please tick relevant box to show your evaluation of course components		
Learning outcomes By the end of the course you should be able to:	Fully achieved	Not achieved
Learning objective #1		
Learning objective #2		
Etc. etc. etc. for all selected learning objectives		

Number of patient cases in which you had hands-on involvement? Include all cases in which you participated	
--	--

	Time spent on this			Method & quality of teaching			Not applicable
	Too little	About right	Too much	Below expectation	Met expectation	Above expectation	
1:1 Training on patients (hands-on with patient)							
Observing others practicing hands-on endoscopy (live demonstration)							
Animal tissue model							
Simulators							
Theoretical component (lecture based)							

Overall, throughout the course, how much of your course time was spent learning effectively <input type="checkbox"/> 10% <input type="checkbox"/> 20% <input type="checkbox"/> 30% <input type="checkbox"/> 40% <input type="checkbox"/> 50% <input type="checkbox"/> 60% <input type="checkbox"/> 70% <input type="checkbox"/> 80% <input type="checkbox"/> 90% <input type="checkbox"/> 100%
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Please indicate on the scale of 0-10 where you rate the following for this course:

	0	1	2	3	4	5	6	7	8	9	10
Administration and communication											
Environment/setting conducive to learning											
Teaching materials and aids											
Catering and refreshments											
Would you recommend this course to a colleague?	Yes						No				
Please provide comments about the course or expand on your feedback above. For example please indicate what you particularly liked about the course and how you think it could be improved:											



Courses removed from JETS in December 2013

The following courses have been removed from JETS and are no longer JAG approved. This is because they are deemed inappropriate for JETS or have been amalgamated/replaced by a new code and name:

Code	Course name
END_016	Frontiers in Intestinal and Colorectal Disease
END_021	Introduction to Training in GI Endoscopy
END_023	Preparation for Re-validation and Re-accreditation of Endoscopy Skills
CTC_001	CTC Course (TC3)
JAG_011	Introductory Foundation Endoscopy
JAG_009	Basic Skills in Upper GI / Flexible Sigmoidoscopy

Courses requiring further information

The following courses were on JETS before December 2013. They do not currently appear on JETS and are not currently JAG approved. If you wish to offer any of these courses, please contact the JAG office.

Code	Course name
END_014	Double Balloon Endoscopy
END_017	ERCP Short Wire Course



Training courses advertised on JETS

Basic skills in upper gastrointestinal endoscopy

New Code: JAG_GDP3(M)

Previous code and title

JAG_003 Basic Skills in Upper GI Endoscopy

Type

Patient hands-on

Duration

3 days

Target audience

The course is open to anyone whose future job role will involve regular upper gastrointestinal endoscopy. Trainees beginning to learn diagnostic gastroscopy and those wishing to consolidate their training for JAG certification. Applicants must have an existing affiliation with a professional body (e.g. GMC). The course would also be of benefit to those wishing to update endoscopy practice and undergo assessment.

Trainees must have written support from their educational supervisor or endoscopy trainer to guarantee 6 months supervised training on completion of the course. It is essential that trainees have at least one training list per week available to them at their base-hospital following this course.

This course is mandatory for those wishing to apply for JAG certification in upper GI endoscopy.

Overview

This is a 3-Day Joint Advisory Group (JAG) approved course for endoscopy trainees wishing to gain / improve their skills in GI Endoscopy.

This is an intensive, interactive, practical course covering the theoretical basis of performing a safe gastroscopy and safe and effective peri-endoscopy management. The course includes a series of small group and one-to-one teaching sessions, videos, hands-on model work and supervised endoscopy. Each trainee will undertake a number of gastroscopies (minimum of 4 per delegate) under the supervision of expert trainers. The one-to-one teaching focuses on the development of individualised learning outcomes and plans to progress skills.

Aims

- Understanding of the basic principles and practice of upper gastrointestinal endoscopy and the equipment used
- Acquisition of the basic skill to perform safe diagnostic gastroscopy
- Understanding of the non-technical skills necessary to perform a safe and competent procedure
- Highlight the associated background knowledge necessary for practice



Evaluation of Course		
<input checked="" type="checkbox"/> <i>Please tick relevant box to show your evaluation of course components</i>		
Learning outcomes	Fully achieved	Not achieved
By the end of the course you should be able to:		
List and describe the indications and contraindications for upper GI endoscopy		
Understand the principles of upper GI endoscopy both as a diagnostic techniques and for therapeutic intervention		
Understand the importance and principles of obtaining informed consent		
Be able to obtain consent using a structured approach		
Understand the principles of patient preparation and the advantages and disadvantages of throat sprays and sedation		
List the indications and understand the principles for use of prophylactic antibiotics in upper GI endoscopy		
Recognise patients who are recognised to be at risk of complications (procedural and/or sedation) and describe how these are minimised when undertaking upper GI endoscopy		
Recognise patients recognised to be at high risk of bleeding during endoscopy; list the relative risks of anti-platelet and anti-coagulant drugs; and describe bespoke plans for stopping and restarting therapy around endoscopy		
Be able to safely administer, monitor and manage the effects, of sedation		
Understand the design, function and decontamination requirements of an endoscope		
Understand the requirements for cleaning, disinfection and reuse of endoscopy disposables		
Demonstrate how to stand, hold and control the gastroscope using both hands independently.		
Understand the function of the angulation control wheels and demonstrate their function.		
Understand the function of the air/water and suction buttons and demonstrate their function.		
Demonstrate intubation and extubation		
Demonstrate scope manipulation and handling during safe upper GI endoscopy		
Demonstrate the techniques of pyloric intubation, negotiation into D2 and the j-manoeuvre.		
Demonstrate ability to observe and describe/interpret normal and abnormal mucosa during gastroscopy		



Basic skills in colonoscopy

New Code: JAG_CDP3(M)

Previous code and title

JAG_001 Basic Skills in Colonoscopy

Type

Patients

Duration

3 days

Target audience

The course is open to anyone whose future job role will involve regular lower gastrointestinal endoscopy. Applicants must have an existing affiliation with a professional body (e.g. GMC).

This course is mandatory for those applying for JAG certification in colonoscopy.

Overview

This is a 3-day course for Higher Trainees wishing to gain/improve their skills in Colonoscopy.

This is an intensive, interactive, practical course covering the theoretical basis of performing a safe colonoscopy and safe and effective peri-endoscopy management. The course includes a series of small group and one-to-one teaching sessions, videos, hands-on model work and supervised endoscopy. Each trainee will undertake a number of colonoscopies under the supervision of expert trainers, which will be transmitted to other delegates using the latest A/V resources, including a magnetic 3D imager to facilitate training. The one-to-one teaching focuses on the development of individualized learning outcomes and plans to progress skills.

Trainees must have written support from their educational supervisor or endoscopy trainer to guarantee 6 months supervised training on completion of the course. It is essential that trainees have at least one training list per week available to them at their base-hospital following this course.

Aims

- Understanding of the basic principles and practice of colonoscopy and the equipment used
- Acquisition of the basic skill to perform safe colonoscopy
- Understanding of the non-technical skills necessary to perform a safe and competent procedure
- Highlight the associated background knowledge necessary for practice



Evaluation of Course - <input checked="" type="checkbox"/> Please tick relevant box to show your evaluation of course components		
Learning outcomes By the end of the course you should be able to:	Fully achieved	Not achieved
List and describe the indications for colonoscopy		
Understand the principles of colonoscopy both as a diagnostic technique and for therapeutic intervention		
Understand the importance and principles of obtaining informed consent		
Be able to obtain consent using a structured approach		
Understand the principles of patient preparation and list the advantages and disadvantages of different types of bowel preparation in different patient groups		
Understand current prophylactic antibiotics guidelines in endoscopy related to colonoscopy practice		
Recognise patients who are at high risk of bleeding during endoscopy; the relative risks of anti-platelet and anti-coagulant drugs; and devise bespoke plans for stopping and restarting therapy around endoscopy		
Recognise patients who are at risk of complications (procedural and/or sedation) and describe how these are minimised when undertaking colonoscopy		
Be able to safely administer, monitor and manage the effects, of sedation		
Understand the design, function and decontamination requirements of an endoscope		
Understand the requirements for cleaning, disinfection and reuse of endoscopy disposables		
Understand the use of accessories and principles of diathermy, differences between cutting and coagulation; list and apply safety precautions to be used during diathermy use.		
Demonstrate how to stand, hold and control the colonoscope using both hands independently.		
Understand the function of the angulation control wheels and demonstrate their function.		
Understand the function of the air/water and suction buttons and demonstrate their function.		
Demonstrate principles for safe lower GI endoscopy during intubation and extubation		
Demonstrate facilitated torque steering and scope handling during safe lower GI endoscopy		
Demonstrate understanding of loop recognition and loop resolution principles.		
Demonstrate ability to observe and describe/interpret normal and abnormal mucosa during colonoscopy		

Basic skills in flexible sigmoidoscopy

New Code: JAG_FDP2

Previous code and title

JAG_009 Basic Skills in Upper GI/ Flexible sigmoidoscopy

JAG_006 Basic Skills in Flexible sigmoidoscopy

Type

Patient hands-on

Duration

2 days

Target audience


The course is open to anyone whose future job role will involve regular lower gastrointestinal endoscopy flexible endoscopy. The course has been specifically designed to provide training for those individuals who are considering performing flexible sigmoidoscopy as part of the National Bowel Cancer Screening Programme.

This course is mandatory for those applying for JAG certification in flexible sigmoidoscopy (unless basic skills in colonoscopy course undertaken).

Aims of the course:

- Understanding of the basic principles and practice of flexible sigmoidoscopy and the equipment used
- Acquisition of the basic skill to perform safe flexible sigmoidoscopy
- Understanding of the non-technical skills necessary to perform a safe and competent procedure
- Highlight the associated background knowledge necessary for practice

Evaluation of Course <input checked="" type="checkbox"/> <i>Please tick relevant box to show your evaluation of course components</i>		
Learning outcomes	Fully achieved	Not achieved
By the end of the course you should be able to:		
List and describe the indications and contraindications for flexible sigmoidoscopy		
Describe components and principles of obtaining informed consent		
Demonstrate the ability to obtain informed consent using a structured approach		
Describe the principles of patient preparation and explain the advantages and disadvantages of different types of bowel preparation in different patient groups		
Describe current prophylactic antibiotics guidelines in endoscopy related to flexible sigmoidoscopy practice		
Identify patients who are at high risk of bleeding during flexible		



sigmoidoscopy; assess the relative risks of anti-platelet and anti-coagulant drugs; and describe management of these drugs in relation to flexible sigmoidoscopy		
Identify patients who are at risk of complications (procedural and/or sedation) and describe how these can be minimized when undertaking colonoscopy		
Demonstrate ability to safely administer, monitor and manage the effects, of sedation		
Describe the design, function and set up of an endoscope		
Describe the requirements for cleaning, disinfection of endoscopes		
Describe the principles of diathermy and the differences between cutting and coagulation); list safety precautions to be used during diathermy use		
Explain the function of the angulation control wheels and demonstrate their function.		
Explain the function of the air/water and suction buttons and demonstrate their function		
Demonstrate how to stand, hold and control the sigmoidoscope or colonoscope using both hands independently		
Demonstrate principles for safe lower GI endoscopy during intubation and extubation		
Identify, describe and interpret normal and abnormal mucosa during flexible sigmoidoscopy		
Describe and recognize common pathology and their treatments		
Demonstrate the use of biopsy forceps		

Basic skills in upper GI therapeutic endoscopy

New Code and title: JAG_GTA2

Previous code and title

JAG_002 Basic Skills in Therapeutic GI Endoscopy
 JAG_016 Basic Skills in Therapeutic GI Endoscopy (2 day)
 END_011 Endoscopic and Medical Management of Upper GI Portal hypertension
 JAG_013 Intermediate Therapeutic Endoscopy Course

Type

Animal model/Simulators

Target audience

ST2 and ST3 in Gastroenterology, ST4 and in Surgery, GPs, nurse endoscopists. Candidates may be supported by an endoscopy nurse from the base hospital who is experienced in accessory use in basic endoscopy (please confirm with individual training centre)

Places may be available to staff grades, research fellows and clinical fellows

Duration

2 days

Overview

Hands-on experience with an animal tissue model which provides an opportunity for training in upper GI bleeding, injection therapy, dipolar probe therapy, clip application, variceal banding, oesophageal balloon dilatation and PEG insertion.

Aims

- Understanding and experience with range of therapeutic modalities used in current clinical practice
- Development of team working for therapeutic practice in endoscopy
- Describe the risks and benefits of therapeutic procedures
- Understand diathermy and its role in therapeutic endoscopy

Evaluation of Course		
<input checked="" type="checkbox"/> Please tick relevant box to show your evaluation of course components		
Learning outcomes	Fully achieved	Not achieved
By the end of the course you should be able to:		
Describe management and demonstrate endoscopic therapy of non-variceal upper gastrointestinal bleeding		
Describe management and demonstrate endoscopic therapy of variceal bleeding		
Explain and demonstrate dilation of benign strictures		
Explain risks associated with dilatation of malignant strictures		
Describe selection, management and demonstrate insertion of PEG		

Basic skills in lower GI (paediatric)

Code: JAG_CDP3(P)

Type

Patients

Target audience

The course is open to anyone whose future job role will involve regular lower gastrointestinal endoscopy in children (0-19years).

This course is mandatory for those applying for JAG certification in colonoscopy in children.

Duration

3 days

Overview

This is a 3-day course for Higher Trainees wishing to gain/improve their skills in Colonoscopy.


This is an intensive, interactive, practical course covering the theoretical basis of performing a safe colonoscopy and safe and effective peri-endoscopy management in children. The course includes a series of small group and one-to-one teaching sessions, videos, hands-on model work and supervised endoscopy. Each trainee will undertake a number of colonoscopies under the supervision of expert trainers, which will be transmitted to other delegates using the latest A/V resources, including a magnetic 3D imager to facilitate training. The one-to-one teaching focuses on the development of individualized learning outcomes and plans to progress skills.

Trainees must have written support from their educational or endoscopy trainer to guarantee 6 months supervised training on completion of the course. It is essential that trainees have at least one training list per week available to them at their base-hospital following this course.

Aims

- Understanding of the basic principles and practice of colonoscopy and the equipment used
- Acquisition of the basic skill to perform safe endoscopies
- Understanding of the non-technical skills necessary to perform a safe and competent procedure
- Highlight the associated background knowledge necessary for practice

Evaluation of Course		
<input checked="" type="checkbox"/> Please tick relevant box to show your evaluation of course components		
Learning outcomes By the end of the course you should be able to:	Fully achieved	Not achieved
List and describe the indications for colonoscopy		
Describe the principles of colonoscopy both as a diagnostic technique and for therapeutic intervention		



Describe components and principles of obtaining informed consent		
Demonstrate the ability to obtain informed consent using a structured approach		
Describe the principles of patient preparation and explain the advantages and disadvantages of different types of bowel preparation in different patient groups		
Identify patients who are at risk of complications (procedural and/or sedation) and describe how these can be minimized when undertaking colonoscopy		
Describe the design, function and set up of an endoscope		
Describe the requirements for cleaning, disinfection of endoscopes		
Describe the principles of diathermy and the differences between cutting and coagulation); list safety precautions to be used during diathermy use		
Demonstrate how to stand, hold and control the colonoscope using both hands independently.		
Explain the function of the angulation control wheels and demonstrate their function		
Explain the function of the air/water and suction buttons and demonstrate their function		
Demonstrate principles for safe lower GI endoscopy during intubation and extubation		
Demonstrate facilitated torque steering and scope handling during safe lower GI endoscopy		
Demonstrate understanding of loop recognition and loop resolution principles.		
Identify, describe and interpret normal and abnormal mucosa during colonoscopy		
Describe and recognise common pathology and their treatments		
Demonstrate the use of biopsy forceps		

Basic skills in GI endoscopic ultrasound (EUS)

New Code and title: JAG_UDP3

Previous code and title

None

Type

Hands on with patient

Target audience

Trainees or practitioners whose future job plan will include regular EUS sessions.

Duration

3 days

Overview

Practical course covering the theoretical basis of performing a safe EUS and safe and effective peri-endoscopy management. The course includes a series of small group and one-to-one teaching sessions, videos, hands-on model work and supervised endoscopy. Each trainee will undertake EUS examinations under the supervision of expert trainers, which will be transmitted to other delegates using the latest A/V resources. The one-to-one teaching focuses on the development of individualised learning outcomes and plans to progress skills.

The course will be delivered using a combination of hands on with patients, simulators, live demonstrations and small group teaching

Evaluation of Course		
<input checked="" type="checkbox"/> Please tick relevant box to show your evaluation of course components		
Learning outcomes	Fully achieved	Not achieved
By the end of the course you should be able to:		
Radiology interpretation essential for EUS practice		
Case selection for EUS		
Consent process in EUS		
Intubation skills		
Scope positioning, acquisition and maintenance of diagnostic sonographic images		
Introduction to FNA techniques		



Training the endoscopic trainer courses

It is recognised that there are a number of training the endoscopic trainers courses currently available.

JAG currently recognised all of these courses equally. This is a mandatory course for the training GRS. The learning objectives are generic for these courses although the specific focus and examples/demonstrations used during these courses will obviously relate to the specific related skill (Gastroscopy, Colonoscopy or ERCP). Similarly the target audience and overall course description will be adjusted to reflect the endoscopic skill focus of the course.

New Code and title: JAG_CRP2(M) Training the Colonoscopy Trainers (TCT)

Previous code and title

JAG_004 Training the Colonoscopy Trainers (TCT)

JAG_008 Training the Endoscopy Trainers (TET)

New Code and title: JAG_GRP2 Training the Gastroscopy Trainers (TGT)

Previous code and title

JAG_005 Training the GI Trainers (TGT)

New Code and title: JAG_BRM2(M) Training the Endoscopic Trainers (TET)

Previous code and title

JAG_008 Training the Endoscopy Trainers (TET)

Type

Patients hands on

Duration

2 days

New Code and title: JAG_RRP2(M) Training the ERCP Trainer (TERCPT)

Previous code and title

END_010 Training the ERCP Trainers – Sharing Good Practice

Type

Model

Duration

2 days

Training the colonoscopy trainers (patient)/ Training the gastroscopy trainers (patient)

Type

Patients hands on

Duration

2 days

Target audience (TCT/TGT)

All independent endoscopists who are involved in teaching and training in endoscopy. The course may also be suitable for senior accredited trainees that wish to further develop their teaching skills. This course is essential for those wishing to become faculty at endoscopy training centres or train on JAG courses. Individuals must be independent and competent in the skill they are intending to train in before applying for the relevant training the trainers course.

Overview

This course is interactive and relies on delegate participation. There is a day of classroom/seminar and model based teaching aimed at developing a training framework to apply to endoscopic training. Seminars, model work and group teaching are used. Day 2 is used to apply the knowledge from Day 1 teaching in a clinical environment.

Aims

- To apply the principles of adult learning to the teaching of practical endoscopy skills.
- To establish a framework for effective, efficient endoscopy skills training
- Understand consistent common language and methods used in endoscopy training
- Received feedback to help develop individual teaching style and skills

Evaluation of Course <input checked="" type="checkbox"/> Please tick relevant box to show your evaluation of course components		
Learning outcomes. By the end of the course you should be able to:	Fully achieved	Not achieved
Understand and apply a framework for effective skills teaching		
Explain the need for conscious competence in both performing and in teaching endoscopy		
Explain the need to align the trainee's and trainer's agendas		
Understand the benefit of identifying specific personal learning objectives.		
List the common terms and language used in endoscopy training		
Understand the concept of cognitive overload (dual task interference) and the need for an adaptive approach to communication techniques in skills training		
Provide performance enhancing feedback and performance enhancing instruction		
Explain the concept of critical reflection in delivering effective feedback		
Explain and demonstrate currently available assessment methods appropriate for trainees and independent endoscopists		
Describe the uses and benefits of the training GRS and use of the e-portfolio/JETS		

Training the ERCP trainers (patient)

Type

Patients hands on

Duration

2 days

Target audience (TERCPT)

Independent practising ERCPists who deliver an ERCP service.

Overview

Intensive 3-day course which will allow practising ERCP endoscopists to pool their experience and to learn from each other. In addition the Course will incorporate Training the ERCP Trainers based on the JAG approved model for train the trainers courses.

Aims

- To apply the principles of adult learning to the teaching of practical endoscopy skills.
- To establish a framework for effective, efficient endoscopy skills training
- Understand consistent common language and methods used in endoscopy training
- Received feedback to help develop individual teaching style and skills
- Appreciate difficulties in skills training in ERCP

Evaluation of Course		
<input checked="" type="checkbox"/> Please tick relevant box to show your evaluation of course components		
Learning outcomes.	Fully achieved	Not achieved
By the end of the course you should be able to:		
Understand and apply a framework for effective skills teaching		
Explain the need for conscious competence in both performing and in teaching endoscopy		
Explain the need to align the trainee's and trainer's agendas		
Understand the benefit of identifying specific personal learning objectives.		
List the common terms and language used in endoscopy training		
Understand the concept of cognitive overload (dual task interference) and the need for an adaptive approach to communication techniques in skills training		
Provide performance enhancing feedback and performance enhancing instruction		
Explain the concept of critical reflection in delivering effective feedback		
Explain and demonstrate currently available assessment methods appropriate for trainees and independent endoscopists		
Describe the uses and benefits of the training GRS and use of the e-portfolio/JETS		

Training the endoscopic trainer (model)

New Code: JAG_BRM2(M)

Previous code and title

JAG_008 Training the Endoscopy Trainer (TET)

Type

Model, video and classroom-based course

Duration

2 days

Target audience

Final year SpR / Consultants / Nurse Endoscopists

Overview

Provides educational theory, techniques and resources for trainers involved in teaching and assessment of gastroscopy, lower GI endoscopy and therapeutic endoscopy procedures.

Aims

To provide an evidence-based approach to the endoscopic trainer role, review of available training techniques, practical hands-on training exercises and review of current portfolio and assessment methodologies

Evaluation of Course		
<input checked="" type="checkbox"/> Please tick relevant box to show your evaluation of course components		
Learning outcomes. By the end of the course you should be able to:	Fully achieved	Not achieved
Understand and apply a framework for effective skills teaching		
Explain the need for conscious competence in both performing and in teaching endoscopy		
Explain the need to align the trainee's and trainer's agendas		
Understand the benefit of identifying specific personal learning objectives.		
List the common terms and language used in endoscopy training		
Understand the concept of cognitive overload (dual task interference) and the need for an adaptive approach to communication techniques in skills training		
Provide performance enhancing feedback and performance enhancing instruction		
Explain the concept of critical reflection in delivering effective feedback		
Explain and demonstrate currently available assessment methods appropriate for trainees and independent endoscopists		
Describe the uses and benefits of the training GRS and use of the e-portfolio/JETS		

Training the colonoscopy trainer (paediatric)

Code: JAG_CRP2(P)

Type

Trainers

Target audience

Paediatric Gastroenterologists who are competent in Colonoscopies and are Trainers or due to become Trainers (Likely Consultant level)

Duration

2 days

Overview

This is the first Paediatric training the colonoscopy trainer course delivered by experienced paediatric trainers and external adult trainer experienced in delivery of training the trainer courses. RCPCH CPD approval applied for.

Aims

- To apply the principles of learning to the teaching of practical endoscopy skills.
- To establish a framework for effective, efficient endoscopy skills training
- Understand consistent common language and methods used in endoscopy training
- Received feedback to help develop individual teaching style and skills

Evaluation of Course		
<input checked="" type="checkbox"/> Please tick relevant box to show your evaluation of course components		
Learning outcomes	Fully achieved	Not achieved
By the end of the course you should be able to:		
Understand need to deconstruct endoscopy skills before delivering methods for acquisition and learning		
Understand the concept and need for conscious competence in both endoscopy skill and the teaching of it		
Practice practical teaching skills and consider how you may use these approaches in your own teaching		
Understand the need for set, dialogue and closure within teaching episode		
Importance of setting SMART objectives		
Be able to establish an educational contract and framework for teaching defining roles and behaviour		
Understand the importance of well defined clear instruction in training		
Understand the importance of performance enhancing feedback		

Training the EUS trainers

Code: JAG.UTC3

Type

Trainers

Target audience

EUS trainers

Duration

3 days

Overview

This is a comprehensive and intensive 2.5 day course incorporating the JAG approved model for train the trainers courses. Unique to any train the trainers course there will be opportunity to demonstrate and consolidate the teaching skills acquired with hands on supervision of trainee EUS endoscopists performing EUS on patients

Evaluation of Course <input checked="" type="checkbox"/> Please tick relevant box to show your evaluation of course components		
Learning outcomes By the end of the course you should be able to:	Fully achieved	Not achieved
Understand and apply a framework for effective skills teaching		
Explain the need for conscious competence in both performing and in teaching endoscopy		
Explain the need to align the trainee's and trainer's agendas		
Understand the benefit of identifying specific personal learning objectives.		
List the common terms and language used in endoscopy training		
Understand the concept of cognitive overload (dual task interference) and the need for an adaptive approach to communication techniques in skills training		
Provide performance enhancing feedback and performance enhancing instruction		
Explain the concept of critical reflection in delivering effective feedback		
Explain and demonstrate currently available assessment methods appropriate for trainees and independent endoscopists		
Describe the uses and benefits of the training GRS and use of the e-portfolio/JETS		
Teaching principles of ultrasound image acquisition and optimisation		
Teaching echoendoscope selection and preparation		
Principles of case selection suitable for trainees		
Principles of breakdown of an EUS examination into training components		
Principles of breakdown of the process of FNA into training components		

Colonoscopy & polypectomy improvement

New Code: JAG_CTP1

Previous code and title

JAG_017	Hands-on Polypectomy Skills Course
END_003	Advanced Colonoscopy & Polypectomy
END_020	Masterclass in Colonoscopy and Polypectomy
END_018	Outreach ISTC Training

Duration

1 day

Type

Patients, hands-on

Target Audience

This course is aimed at independent practicing colonoscopists who are already achieving 90% completion (intention to treat) and wishing to improve or develop their therapeutic technical skills.

Course overview

Combination of lectures and discussion related to modern colonoscopic practice and therapeutic technique, combined with hands on 1:1 training on patients.

Aims

- To improve individual diagnostic and therapeutic technique
- Appreciate the full range of therapy available and their roles
- Understanding of importance of lesion assessment in therapeutic decision making

Evaluation of Course		
<input checked="" type="checkbox"/> <i>Please tick relevant box to show your evaluation of course components</i>		
Learning outcomes	Fully achieved	Not achieved
By the end of the course you should be able to:		
Demonstrate technique and methods to improve and optimise your individual basic colonoscopy technique		
Describe and interpret the imager and role in problem solving and skills development		
Describe an overview of range of therapeutic modalities involved in polypectomy		
Explain the equipment necessary for therapeutic lower gastrointestinal endoscopy including diathermy settings		
To demonstrate an approach to polypectomy that includes optimal visualisation, classification and risk assessment		
To perform safe polypectomy of pedunculated/sessile lesions		
Have an opportunity to utilise equipment and have hand-on training in polypectomy		

Lower GI polypectomy skills

New Code: JAG_CTA1

Previous code and title

JAG_017 Hands on Polypectomy Skills

Duration

1 day

Type

Animal model

Target Audience

Trainees from medical, surgical or other relevant backgrounds learning to perform endoscopic polypectomy. Consultants wishing to up date their skills are also welcome. Potential delegates should have the scope handling skills and experience of at least 50 colonoscopies or flexible sigmoidoscopies. More experienced endoscopists are also welcome.

Course overview

This is one-day intensive practical course using the WIMAT porcine model of endoscopic polypectomy. The course provides an overview and practical experience of how to perform safe and effective polypectomy. Hands on training will include practical polypectomy, tattooing, endoclip placement and endoscopic mucosal resection.

Aims

- To improve individual diagnostic and therapeutic technique
- Appreciate the full range of therapy available and their roles
- Understanding of importance of lesion assessment in therapeutic decision making

Evaluation of Course		
<input checked="" type="checkbox"/> Please tick relevant box to show your evaluation of course components		
Learning outcomes	Fully achieved	Not achieved
By the end of the course you should be able to:		
Describe an overview of range of therapeutic modalities involved in polypectomy		
Explain the equipment necessary for therapeutic lower gastrointestinal endoscopy including diathermy settings		
To demonstrate an approach to polypectomy that includes optimal visualisation, classification and risk assessment		
To perform safe polypectomy of pedunculated and sessile lesions		
To describe methods of preventing and treating polypectomy complications		
Have an opportunity to utilise equipment and have hands-on training in polypectomy		

Preparation for Bowel Cancer Screening

New Code: JAG_CBP1

Previous code and title

END_005

Type

Patient hands-on

Duration

1 day

Target audience

This course is aimed at independent colonoscopists interested in delivering the BCSP. Your unit should have already have had a pre-JAG assessment or have a date for this.

Colonoscopists must have performed a prospective audit of their personal clinical practice with data available on the day of the course. It is expected that only people with an "intention to scope" intubation rate of >90% will apply for this course.

Overview

Course is designed to assess potential candidates for the BCSP assessment and provide an overview of the process. The course covers the information needed for the accreditation process as well as providing an opportunity to be assessed by both MCQ and technically performing colonoscopy.

Aims of the course:

- to familiarize candidates with methodology used for BCSP assessment
- hands-on experience under examination conditions with feedback
- overall assessment of readiness to take BCSP assessment

Evaluation of Course		
<input checked="" type="checkbox"/> Please tick relevant box to show your evaluation of course components		
Learning outcomes	Fully achieved	Not achieved
By the end of the course you should be able to:		
Describe the rationale for JAG accreditation for BCSP colonoscopists		
To describe the criteria needed for successful accreditation to BCSP programme		
Recognise the components and format of the assessment		
Describe the components the MCQ syllabus		
Identify available web based resources to help prepare for accreditation process		
Experience a Mock MCQ exam		
Understand the DOPS, DOPyS forms and the associated descriptors and their role in the accreditation process		

Preparation for Bowel Cancer Screening: Bowel Scope

New Code: JAG_FBP1

Type

Patient hands-on

Duration

1 day

Target audience

Aimed at colonoscopists preparing for Bowel Scope accreditation.

Overview

Course is designed to assess potential candidates for the BCSP Bowel Scope assessment and provide an overview of the process.

Aims of the course:

- to familiarize candidates with methodology used for BCSP assessment
- hands-on experience under examination conditions with feedback
- overall assessment of readiness to take BCSP assessment

Evaluation of Course		
<input checked="" type="checkbox"/> Please tick relevant box to show your evaluation of course components		
Learning outcomes	Fully achieved	Not achieved
By the end of the course you should be able to:		
Explain the rationale for JAG accreditation		
Outline the format of the assessment		
List the important elements of the syllabus		
Know how to access resource materials to aid personal revision		
Recognise areas where further revision is required to deal with the MCQ exam		
Recognise areas where further work is required to pass the practical assessment		
Use DOPS and DOPyS grade descriptors as a guide during assessment		
Appreciate their readiness to undergo Bowelscope accreditation		

Upskilling in Colonoscopy

Code: JAG_CDP

Previous code and title

END_006	Upskilling Course in Colonoscopy
END_008	Colonoscopy Masterclass
END_009	Colonoscopy Refresher
END_012	Advanced Skills in Colonoscopy
END_024	Intermediate Skills in Colonoscopy
JAG_010	Intermediate Skills in Colonoscopy
JAG_012	Colonoscopy Course - Sharing Good Practice
END_023	Preparation for Re-validation and Re-accreditation of Endoscopy Skills

Type

Patient hands-on

Duration

1 or 2 day

Target Audience

Independent practising colonoscopists

Overview

Many established and independent colonoscopists now recognise the need to update their skills periodically. More robust departmental audits of performance data and the imminent move towards endoscopic revalidation have been the catalyst for the development of a colonoscopy upskilling course.

Aims

- Individualized hands-on formative assessment of technique
- Tips and tricks to improve practice
- Shared learning through discussion, seminars and remote video learning

Evaluation of Course		
<input checked="" type="checkbox"/> Please tick relevant box to show your evaluation of course components		
Learning outcomes	Fully achieved	Not achieved
By the end of the course you should be able to:		
Describe methods to improve and optimise your individual basic colonoscopy technique		
Describe and/or principles of safe polypectomy		
Describe the role of the DOPyS tool in assessment of polypectomy technique		
Describe methods and techniques of mucosal enhancement and their role in current colonoscopy practice		
Explain interpretation of imager and role in problem solving and skills development		

Sharing Best Colonoscopy Practice

Code: JAG_CTC1

Previous code and title

END_025 Sharing Best Practice in Colonoscopy

Target Audience

Independent practising colonoscopists

Duration

1 day

Overview and aims

The main purpose of the day is to review current practice and share any new developments or techniques in colonoscopy practice. It is anticipated that the course will lead to continued skills improvement and consistency of optimal practice of the attending delegates.

Aims

- Provide a friendly learning environment for groups or departments to share and acquire current knowledge related to modern colonoscopic practice
- Offer opportunity for hands on 1:1 training

Evaluation of Course		
<input checked="" type="checkbox"/> Please tick relevant box to show your evaluation of course components		
Learning outcomes	Fully achieved	Not achieved
By the end of the course you should be able to:		
Describe methods to improve and optimise your individual basic colonoscopy technique		
Explain interpretation of imager and role in problem solving and skills development		
Describe currently perceived 'best practice' in a uniform approach to patient centred colonoscopy and polypectomy		
Receive an update on recent developments in colonoscopy and messages/data/tips from the National BCSP		
Describe methods and techniques of mucosal enhancement and their role in current colonoscopy practice		

Endoscopic simulator course

New Codes: JAG_BDM1

Previous code and title

END_019 Structured Simulator Training Programme in Upper and Lower GI Endoscopy

Type

Simulator

Target audience

F2, CT1 and CT2 Trainees who are interested in Gastroenterology / Surgery but have no scoping experience before they apply for ST3 level. Trainee Nurse Endoscopists

Duration

1

Overview

This course acts as an introduction to Endoscopy Training. Aimed at trainees before they apply for a ST3 post this course gives the individual an understanding of scope manipulation and basic correct technique.

List of learning objectives

Evaluation of Course		
<input checked="" type="checkbox"/> Please tick relevant box to show your evaluation of course components		
Learning outcomes	Fully achieved	Not achieved
By the end of the course you should be able to:		
Be able to hold correctly and manipulate (steer) the endoscope around basic upper and lower GI moder		
Understand the principle of Torque Steering		
Understand the Endoscopy training process in the UK and how to use the JETS website		
Recognise basic pathology		

Enhancing Performance and Outcomes at ERCP

New Code: JAG_RTP3

Type

Hands on with patients

Duration

3 days

Target audience

Consultants undertaking and established ERCP practice

Overview

There is increasing focus on performance indicators and outcomes for patients undergoing ERCP. This is a twice yearly, hands on course for consultants looking to advance their performance and improve outcomes for their patients. The venue will rotate between London and Liverpool. It will run over two and a half days and will concentrate on hands on cases mentored by expert trainers. There will be a maximum of six delegates, undertaking at least two cases each.

Evaluation of Course		
<input checked="" type="checkbox"/> Please tick relevant box to show your evaluation of course components		
Learning outcomes	Fully achieved	Not achieved
By the end of the course you should be able to:		
Define Integrated Care Algorithms For HPB Disease: ERCP Complications-Prevention and Management		
Able to handle the duodenoscope for effective and safe ERCP		
Able to use methods for selective cannulation when initial methods have failed		
Determine the appropriate choice of biliary stent for a given indication		
Employ safe and effective use of a range of therapeutic accessories on live cases (including access techniques, stone therapy, optimising tissue acquisition, biliary and pancreatic stenting and Hilar Intervention)		
Utilisation of safe Sedation And Anaesthesia		
Development of ERCP related Business cases and enhancing effective ERCP training skills (learning contract; giving feedback; use of reflective practice)		
Be able to interpret a range of pathologies on cholangiogram and pancreatogram obtained via ERCP		

ERCP skills training

New Code: JAG_RDA1

Previous code and title

JAG_007 Basic Skills in ERCP

JAG_015 Hands on Intermediate Course in ERCP

Type

TBC

Duration

TBC

Target audience

Aimed at Medical/Surgical SpR's who are fully trained in diagnostic GI endoscopy, have performed therapeutic procedures and observed ERCP. No practical experience of ERCP is necessary but if undertaken delegates should have performed < 50 procedures under supervision.

Overview

The course covers pre-assessment, basic ERCP technique, model training and radiological considerations

Evaluation of Course		
<input checked="" type="checkbox"/> <i>Please tick relevant box to show your evaluation of course components</i>		
Learning outcomes By the end of the course you should be able to:	Fully achieved	Not achieved
Demonstrate knowledge of "on the spot" clinical management decisions of jaundiced patients		
Demonstrate acquired technical skills associated with ERCP practice		
Describe radiology imaging interpretation relevant to ERCP practice		
Describe non-technical skills and appropriate management of jaundiced patient		



Introduction to GI Endoscopic Ultrasound Skills

New Code: JAG_UDM2

Previous code and title

END_022 Introduction to GI Endoscopic Ultrasound Skills

Type

Live demonstration and simulators

Target audience

Registrars already in training in and Consultants who want to train in EUS.

Duration

2 days

Overview

This course will provide a combination of live demonstrations of a range of EUS cases, instruction and personal tuition on simulators, including an FNA simulator, instruction on image optimisation, and interactive seminars on pre-recorded EUS clips that will form the basis of discussion of image interpretation.

List of learning objectives

TBC

PEG insertion course

New Code and title: JAG_GTA1

Previous code and title

None

Type

Skills

Target audience

Nurses who are currently assisting with PEG insertion or who wish to train for this role

Duration

1 day

Overview

This course will provide the essential background knowledge necessary to aid nurses with patient selection and preparation for PEG insertion. They will have the opportunity to insert a PEG on a pig-stomach model. Trouble-shooting and management of common complications is also covered.

Evaluation of Course		
<input checked="" type="checkbox"/> <i>Please tick relevant box to show your evaluation of course components</i>		
Learning outcomes	Fully achieved	Not achieved
By the end of the course you should be able to:		
List indications and contraindications for PEG insertion (including ethical considerations)		
Identify different feeding devices and state two main features of each device		
Insert a PEG tube on a pig model using sterile technique		
Recognise possible causes for common PEG-related problems		
Describe strategies for the prevention and management of minor PEG complications		

Basic Skills UGI Course (Paediatric)

New Code and title: JAG_GDP3(M)(P) Basic Skills Upper GI (Paediatric)

Previous code and title

None

Type

Basic skills

Target audience

The course is open to anyone whose future job role will involve regular upper gastrointestinal endoscopy in children (0-19 years).

This course is mandatory for those applying for JAG certification in colonoscopy in children.

Duration

2 day

Overview

2-day course focusing on Endoscopic procedures, using 'life like' models before performing learnt procedures on consented paediatric patients.

Evaluation of Course		
<input checked="" type="checkbox"/> Please tick relevant box to show your evaluation of course components		
Learning outcomes	Fully achieved	Not achieved
By the end of the course you should be able to:		
Describe the indications and contradictions for upper GI endoscopy		
Understand the principles of diagnostic upper GI endoscopy		
Understand the importance and principles of obtaining informed consent		
To be able to demonstrate obtaining of consent from children and/or parents using a structured approach		
Understand the principles of patient preparation		
Understand the design, function and decontamination requirements of an endoscope		
Understand the requirements for cleaning, disinfection and reuse of endoscopy disposables		
Demonstrate how to stand, hold and control the gastroscopy using both hands independently		
Understand the function of the angulation control wheels and demonstrate their function		
Understand the function of the air/water and suction buttons and demonstrate their function		
Demonstrate intubation and extubation		
Demonstrate scope manipulation and handling during safe upper GI endoscopy		
Demonstrate the techniques of pyloric intubation, negotiation into D2 and the j-manoeuvre		
Demonstrate ability to observe and describe/interpret normal and abnormal mucosa during gastroscopy		

Introduction to ERCP Course

New Code and title: JAG_RDM1 Introduction to ERCP

Previous code and title

None

Type

Skills Improvement

Hands on training on simulators and animal models including lectures and case discussion.

Target audience

Medical/Surgical SpR's who are fully trained in diagnostic GI endoscopy. No ERCP experience in necessary

Duration

1 day

Overview

This is a one day ERCP simulation course. This course is a mixture of theory and hands on training on animal models for life like training. No practical experience of ERCP is necessary. Tips and techniques using a duodenoscope including intubation, basic cannulation, sphincterotomy also indications and complications and risk reduction strategies and handling of accessories.

Evaluation of Course		
<input checked="" type="checkbox"/> Please tick relevant box to show your evaluation of course components		
Learning outcomes	Fully achieved	Not achieved
By the end of the course you should be able to:		
To demonstrate knowledge of the clinical management of jaundiced patients and the role of ERCP		
To demonstrate knowledge of indication of ERCP, complications and risk reduction strategies		
Understand basic techniques endoscope handling and intubation with side-viewing duodenoscope		
Understand basic techniques for cannulation and sphincterotomy demonstrated on animal models		

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