

JETS JAG Endoscopy
Training System

JETS Workforce END02 course delivery



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Introduction

This guidance has been developed to support training centres and academies to deliver the ENDO2 JETS Workforce course, which is part of the Joint Advisory Group on GI Endoscopy (JAG) programme hosted by the Royal College of Physicians (RCP). The guidance sets the standards for the ENDO2 course. The course has a prescribed core curriculum, but delivery can be adapted according to training centre and academy facilities, access to technology and regional faculty, and will be delivered regionally by academies or training centres with JAG-trained faculty.

The ENDO2 course forms part of the JETS Workforce integrated and standardised education and training pathway. The JETS Workforce started in 2018 and draws on the Gastrointestinal Endoscopy for Nurses (GIN) programme and All Wales Endoscopy Competency Framework (AWENcf) for its content and structure. The programme is designed for the entire endoscopy workforce including, but not limited to, healthcare support workers, nursing associates, assistant practitioners, nurses, managers and practice educators.

ENDO2 is part of the level two advanced endoscopy element of JETS Workforce and follows on seamlessly from level one. Level three is designed to support leaders and managers in endoscopy and those who teach and train others, eg assessors, supervisors and practice educators.

Level one



Section one:

Foundation

Section two:

Decontamination

Level two



Section three:

Advanced endoscopy

Level three



Section four:

Management and leadership

Section five:

Assessing clinical practice

Each level is a composite and contains different learning and training opportunities to establish competence and confidence in practice, ie e-learning for health modules, competencies evidenced by DOPS, witness statements and reflective accounts, and a course. Level two of the competency framework can only be completed by staff who have completed all aspects (e-learning for health modules, competencies, and the ENDO1 course).

The ENDO1 (2.5 hours face to face or virtual) and ENDO3 (6 hours face to face) courses have been designed, piloted and established within the programme. ENDO2 is a hybrid course with components lasting 6 hours in total.

ENDO1 will be included in the JAG accreditation standards from 1 October 2024 as a level B standard. To meet the standard, units will need to ensure that 10 % of staff have completed the e-learning modules and course. Completion of level one of the competency framework will be a level A standard. Levels two and three are not included in the standards.

Level two aims to support staff who assist with or care for patients undergoing moderate to complex endoscopic procedures and already have established competencies and e-learning. The ENDO2 course is best placed to support staff who have completed the foundation level and have been progressing with their skill set for about 6 to 12 months. The course is not designed for staff already carrying out these roles competently.

Competencies



E-learning modules



Advanced endoscopy



Anticipation and readiness to deliver therapies



- > **Care of patients undergoing complex therapeutic procedures**
- > **Assisting with procedures (OGD, EMR, ESD, ERCP, EUS)**
- > **Assisting with bleeds**

Teamwork and communication



Delivering ENDO2

The ENDO2 course delivers knowledge-based education and practical skills training through a flexible, hybrid, multi-modal style. The course design can be adapted according to the availability of teaching facilities including wet labs, model readiness, access to technological teaching aids (eg hands on with patients, augmented reality, virtual reality, simulators, videos, e-learning, case-based discussion, industry resources and pre-recorded videos, green endoscopy, cost and sustainability).

The course delegates will have completed the ENDO2 e-learning modules prior to course attendance and are expected to be working towards their JETS Workforce advanced endoscopy competencies.

The core curriculum, which must meet the learning objectives and be delivered over 6 hours, should consist of the following teaching elements:

- > Team communication, the brief and debrief and patient advocacy
- > Exploration and active use of endoscopic non-technical skills
- > Assistant anticipation
- > Patient indications, timings, selection, preparation and monitoring
- > The realities of on call
- > Sedation
- > Escalation of issues
- > Specific therapy – polypectomy, haemostasis, banding, removal of foreign bodies

Other topics that are included in the advanced section of the JETS Workforce competency framework and could be built into ENDO2 courses include oesophageal stents, PEG, dilatation ERCP, EUS, ENTs and introduction to scoping.

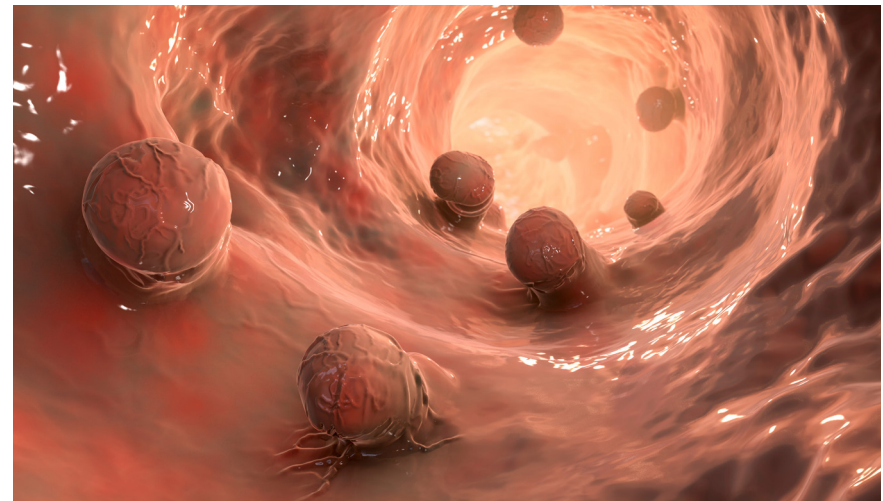
The course can also be amended depending on the current need of the region or endoscopy unit. For example, there may be demand for an advanced endoscopy course with a focus on haemostasis. Each of the core curriculum elements should then be adapted to the relevant technique being taught.

The course can be delivered during one 6-hour session, or via modules that when combined add up to 6 hours.

Examples of potential modular delivery methods, to be used in combination, include:

- > Wet lab-based course with short discussion-based lectures and porcine model work (£££)
- > Use of plastic models (£)
- > Guided hands-on training with patients (££)
- > Interactive case-based discussions and decision making via Microsoft Teams or Zoom (£)
- > Use of industry resources and explanations (£)
- > Pre-recorded videos delivering theoretical knowledge (££)
- > Simulator / AV / VR (££)

Using the ENDO2 programme template, the training centre or academy should submit their preferred course programme to the JETS Workforce clinical lead for sign off to ensure that all core elements and learning objectives are covered.



Course costs

The modular composition will be dependent upon available local dedicated endoscopy training and education resources, including available delegate funding. Different course methods will have different cost implications (as outlined above). Typically, the workforce educational budgets have been low and difficult to acquire. Delegates may need to access sponsorship or academy grants to fund the course.

ENDO2 module approximate cost	Wet lab-based course approximate cost
£150	£600 – external provider
	£250 – internal provider

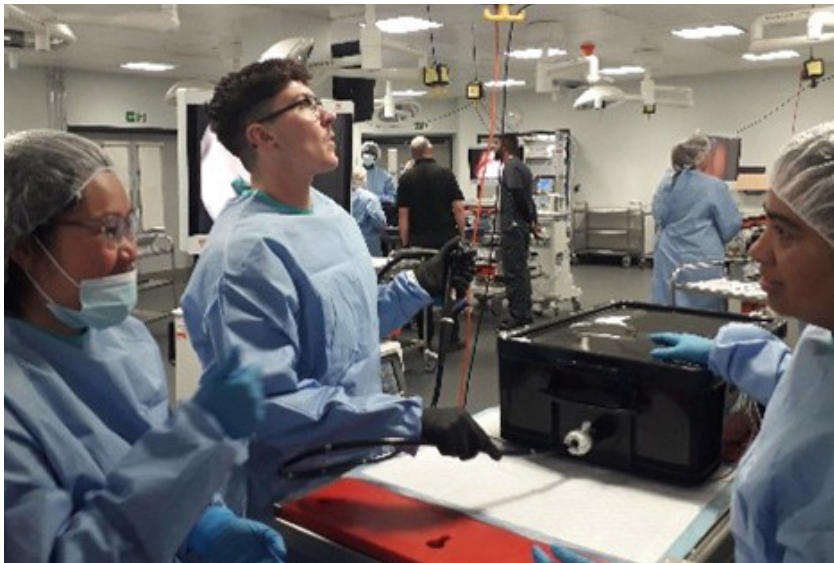
Course location

Training centres and academies can provide the ENDO2 course at any appropriate training location or hospital but should ensure that the location is accessible, acceptable, suitable and complies with all standards. Please view our [requirements for delivering training](#).

The JAG training centre will be responsible for quality assurance of the training, regardless of the delivery method or location at which the course is delivered.

Number of delegates

The number of delegates is set by the academy or training centre delivering the course and can be amended depending on room size, equipment availability etc. Delegates may enhance their learning via peer support and shared reflections based on clinical experience. To facilitate this, the group size should be between 8–20 people.



Faculty

All aspects of the ENDO2 course should be delivered by appropriate faculty. A multi-professional faculty group would be best placed to deliver the ENDO2 course and could consist of a mixture of:

- > endoscopists with a 'Train the trainer' certificate
- > endoscopy practice educators
- > workforce supervisors and assessors.

All faculty should have knowledge of the JETS Workforce training system, have attended the ENDO2 faculty training session, and be registered as active faculty. Faculty will be expected to teach a minimum of one ENDO2 course per year.

Process for running an ENDO2 course

1. The training centre or academy submit their course programme using the ENDO2 application form and agenda template to the JAG office team and clinical lead for sign off.
2. The course is advertised on www.jetsapp.thejag.org.uk/courses by the academy or regional training centre.
3. Delegates book onto the course following confirmation that they have completed the entire JETS Workforce foundation programme.
4. The training centre or academy provides each delegate with a training course schedule or programme.
5. Delegates complete their ENDO2 e-learning for health modules prior to the course and send certification to the centre as proof.
6. ENDO2 course is completed.
7. The training centre or academy records on JETS Workforce that the delegate has completed all aspects of the training.
8. Delegates provide course feedback via JETS Workforce.
9. JETS Workforce issues a completion certificate.
10. JAG office and clinical lead carry out annual review of course feedback, including trainer DOTS and attendee feedback.

ENDO2 learning objectives

1. List and describe the indications for endoscopy.
2. Understand the principles of therapeutic endoscopy.
3. Understand the principles of patient preparation for endoscopy.
4. Recognise high-risk patient groups and the deterioration of patients and care plan effectively.
5. Recognise patients who are at higher risk of complications and describe how to minimise these risks.
6. Understand the principles of sedation.
7. Understand the use of accessories and anticipation.
8. Demonstrate use of ENTS, team communication and its relationship to patient safety.
9. Demonstrate how to effectively escalate issues and maintain patient advocacy.



For all queries, please email: askjag@rcp.ac.uk
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Visit us at www.jetsworkforce.thejag.org.uk

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**Royal College
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