

# The design, implementation and development of the Leeds regional IAC teaching programme

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## Introduction

The West Yorkshire anaesthetic training programme is delivered across six acute hospital trusts. Prior to August 2023, West Yorkshire did not offer a regional teaching programme for anaesthetic novices.

In August 2023, there were 40 doctors from varying specialities who needed to complete their initial assessment of competencies (IAC) in the following 3 to 9 months. The distribution of novices varies between trusts; some having minimal peer support during this period.

**40 novices completing IAC within 9 months from August 2023**

**1 to 12 novices per trust**

We developed a trainee-led three-day IAC teaching programme at Leeds Teaching Hospitals Trust (LTHT), inviting College Tutors from the smaller trusts in the region to send their novices.

The aims of the course were to:

1. Cover **knowledge** required for **Entrustable Professional Activities (EPAs) 1 and 2** sign offs for the IAC,
2. Provide **equal learning opportunities** for novices across the region, and
3. Create a **safe space for learning**, where novices could meet their peers, ask questions and share experiences.

## Methods

The programme was run during the novices' first month in anaesthetics. The first session was after one week's experience in theatre to allow some familiarity with topics. Non-consecutive days were chosen to limit information overload and to allow novices time to consider questions from their clinical days. Teachers included both consultant and junior anaesthetists. Sessions included talks, group discussions and interactive practice. Figure 1 illustrates the February 2024 programme.

### Day 1 Introduction to Anaesthesia

Facilitators: Lucy Powley and Rachel Holmes

Thursday 22<sup>nd</sup> February

08:15 - 08:30	Registration
08:30 - 10:30	Induction agents
10:30 - 10:45	Tea and Coffee Break
10:45 - 12:00	Introduction to anaesthesia
12:00 - 13:00	Lunch
13:00 - 14:00	Local anaesthetics
14:00 - 15:15	Spinals and epidurals
15:15 - 15:30	Tea and Coffee Break
15:30 - 16:30	Pre-op assessment
16:30 - 16:40	Feedback forms

### Day 2 Skills, Drugs and Disease

Facilitator: Rachel Holmes

Wednesday 28<sup>th</sup> February

08:15 - 08:30	Registration
8:30 - 09:45	Basic airway skills
09:45 - 10:00	Tea and Coffee Break
10:00 - 11:00	Inhalational agents
11:00 - 12:30	Anaesthesia and intercurrent disease
12:30 - 13:30	Lunch
13:30 - 14:30	Analgesia
14:30 - 15:00	PONV
15:00 - 15:15	Tea and Coffee Break
15:15 - 15:45	Patient positioning
15:45 - 16:00	Discussion/Quiz
16:00 - 16:10	Feedback forms

### Day 3 Equipment, Extubation and Common Problems

Facilitators: Rachel Holmes and Lucy Powley

Monday 4<sup>th</sup> March

08:15 - 08:30	Registration
08:30 - 09:30	Anaesthetic Machine
09:30 - 10:30	Patient histories and group discussion
10:30 - 10:50	Tea and Coffee Break
10:50 - 12:40	NMBAs Extubation and reversal
12:40 - 13:20	Lunch
13:20 - 14:15	Monitoring
14:15 - 14:30	Tea and Coffee Break
14:30 - 15:15	Ventilator Modes
15:15 - 16:00	Common problems and trouble shooting
16:00 - 16:10	Feedback forms and certificates

Figure 1: Leeds Regional IAC Teaching Programme February 2024.

## Results

The course has run twice, in August 2023 and February 2024. Novice delegates have attended from LHT and Calderdale and Huddersfield Foundation Trust. Same-day feedback was collected from the novices for each presenter. Whole course feedback was collected at the end of the course.

Following the first course's feedback, session timings were adjusted, a second course organiser was included and pre-course introductory material was created. Google forms were made to streamline feedback collation, enable analysis and create instant summaries for the teaching faculty.

### First course feedback



**'Met my learning needs completely'**

100% of delegates stated the course was very well organised and pitched at the correct level. Nine delegates said the programme met their learning needs 'completely', and one delegate 'mostly'. Examples of quotes from the course feedback are shown in figure 2.

**"Perfect level for novices"**

**"Well organised, safe space to ask questions and learn, practical, relevant to working as a novice. Overall, amazing experience"**

*Figure 2: Quotes from delegate feedback from the first course.*

## Conclusion

The Leeds Regional IAC teaching programme has become a successful and valued addition to the West Yorkshire anaesthetic training programme. The course has developed as a result of a rigorous feedback process and future changes are to devote more time to practicing procedures and emphasising anaesthetic emergencies.

The course will continue to be delivered twice a year to incoming cohorts of novices. With further liaising, we aim for more trusts in the West Yorkshire region to encourage their novices to attend.

## Acknowledgements

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### Second course feedback

**'Met my learning needs completely'**

**100%**

**'Pre-course information was good or excellent'**

**'Pitched at the correct level'**

**'Know where to find essential anaesthetic guidance'**

*Figure 3: Feedback from the second course.*

Figure 3 shows the statements that 100% of delegates agreed strongly with. Figure 4 shows the positive descriptors used by delegates for the second course, with no negative descriptors selected.



*Figure 4: A word cloud illustrating the descriptor words for the second course selected from a list by delegates. Large words illustrate those selected by all delegates, and small words by seven of eight delegates.*