



Introduction to laparoscopic gynaecologic surgery course - OBGYN

Learn Practice Reflect Excel



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Who is this course for?

This 1 day intensive course is for doctors of any grade interested in building an excellent base in laparoscopic surgical skills, with a specific focus on obstetric and gynaecology. This course is suitable for grades from medical student to ST4.

What will I learn?

This course will take you through the basic principles of laparoscopic surgery, build your foundation in basic skills, progressing through the EMIGS curriculum and get theatre-ready with high volume, high-fidelity procedural simulation training.

Why should I do this course?

Take advantage of the latest technology-enhanced training methodology to progress your skills faster than ever before. We will work towards EMIGS accreditation sign off

and all videos, assessments and metrics will be stored on your Totum profile where you will be able to access this for a full year's complimentary subscription.

Course description

Master the essentials of laparoscopic surgery in this hands-on, immersive 1-day course designed for OBGYN trainees and professionals.

Kick off with engaging pre-course e-learning modules (5-minute videos) covering key principles, equipment, and theatre considerations to prepare you for practical success.

On the day:

Module 1:	Build a strong foundation with basic laparoscopic skills, including suturing and EMIGS task-based metric tracking.
Module 2:	Elevate your procedural skills with focused training on pelvic sidewall dissection and salpingostomy, featuring live practice, video reviews, and expert-led masterclasses.
Module 3:	Advance to salpingectomy procedures using cutting-edge augmented reality simulators with performance tracking and video analysis.

Refine your skills through continuous reflection, metrics-based improvement, and expert facilitation. By the end, you'll gain confidence in laparoscopic techniques and core gynaecological procedures, preparing you for real-world surgical challenges and make strides towards EMIGS sign off.

Pre course e-learning modules (5-minute videos):

- Principles of laparoscopy (i.e ergonomics, what it is)
- Basic equipment
- Theatre considerations (patient positioning, team)
- Port placement
- Laparoscopic access (then a practical with some basic suturing on the day etc)
- Emergency conversion to open
- Laparoscopic suturing principles



1 Day course:

Module 1: Basic laparoscopic skills

In this station, all activity will be video-recorded and skill metrics will be recorded. These videos and metrics will be available on your Totum software.

Delegates will progress through each EMIGS task:

[Pause to reflect on their metrics for each task.]

Repeat to see metric progression through each task.

Module 2: Procedure-specific training – Pelvic sidewall dissection and salpingostomy

In this station, we will learn the principles and considerations of common gynaecological procedure:
Salpingostomy

Live talk/seminar: Masterclass in salpingostomy and salpingectomy

- Anatomy, pathophysiology, indications
- Key studies in salpingostomy and salpingectomy
- Operative considerations
- Basic steps (with video)

Live practice:

Delegates will have the opportunity to complete an AR pelvic sidewall dissection with metric tracking. Each procedure will be videoed and uploaded to Totum, along with operative metrics.



Between each procedure delegates will reflect on metrics and ways to improve with facilitators. Each delegates will perform a minimum of 3 LapAR pelvic sidewall dissections procedures using different methods (blunt vs sharp).

After a pause for lunch there will be a refresher demonstration of laparoscopic suturing and delegates will progress onto suturing on basic simulators.

They will then progress onto LapAR salpingostomy and closure modules completing a minimum of 3 and up to 5 full procedures. Throughout this station delegates will pause to reflect on operative metrics.

Module 3: Advanced procedural skills - Salpingectomy

Delegates will have the opportunity to complete an AR salpingectomy with metric tracking. Each procedure will be videoed and uploaded to Totum, along with operative metrics. Delegates will undertake a minimum of 3 and up to 5 full procedures, pausing to reflect and improve on operative metrics.

Timetable

Example timetable:

Time	Exercise	Location
09.00 – 09.30	Delegate arrival	
09:30 – 09.45	Introduction and re-cap of e-learning modules. Explaining EMIGS tasks and suturing principles	Boardroom
09.45 - 10.30	Basic skills 1	Skills Lab
10.30 - 11.15	Basic skills 2	Skills lab
11.15 – 11.45	Gynaecology masterclass tutorial	Skills lab
11.45 – 12.15	Pelvic sidewall dissection practical	Skills lab
12.15 – 13.00	LUNCH	Catering area
13.00 - 13.10	Suturing demonstration	Skills lab
13.10 – 13.45	Suturing practical	Skills lab
13.45 – 15.45	Salpingostomy practical	Skills lab
15.45 -16.30	Salpingectomy practical	Skills lab

Learning outcomes

1. To understand the principles of minimally-invasive surgery
2. To understand the benefits, limitations and ergonomic considerations of laparoscopic surgery
3. To understand the operation-specific considerations of a laparoscopic procedure (including the wider theatre team, set up)
4. To understand the basic principles of laparoscopic access (Hasson and Visi-port)
5. To practice and demonstrate basic laparoscopic skills including: object manipulation, sharp dissection of a disk and ligation
6. To practice and demonstrate laparoscopic suturing techniques
7. Demonstrate laparoscopic suturing in the closure of a salpingostomy
8. To understand the principles and evidence-based practice of core laparoscopic gynaecological procedures (salpingostomy and salpingectomy)
9. To practice and demonstrate salpingostomy on an augmented reality model
10. To practice and demonstrate salpingectomy on an augmented reality model
11. To reflect and improve on performance using video-recording review and analysis of operative performance metrics.





Surgical Training Remastered

Global Headquarters
St Helens, United Kingdom
E: info@inovus.org
T: +44 (0)1744 752 952
[www:inovus.org](http://www.inovus.org)

USA Headquarters
Tampa, Florida USA
E: info@inovus.org
T: 512 481 7691
[www:inovus.org](http://www.inovus.org)



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