

LapARoscopic™  
Simulator

LapAR™



LapAR™ Simulators

a c c e s s i b l e   a f f o r d a b l e   f u n c t i o n a l

[www.inovus.org](http://www.inovus.org)

## Democratising high fidelity surgical simulation

LapAR™ true 'Model T Moment' in healthcare simulation. Patent pending Augmented Reality (AR) technology, combined with the Inovus box trainer model makes the LapAR™ the world's first affordable and accessible high fidelity laparoscopic simulator.

The LapAR™ represents a paradigm shift in haptic realism utilising real feel soft tissue models and real laparoscopic instruments to provide unparalleled functionality.

The simulator will allow surgeons to practise a range of procedures across the specialities of general surgery and gynaecology. Instrument tracking technology enables capture of instrument handling and performance metrics with performance data displayed in an online portfolio.

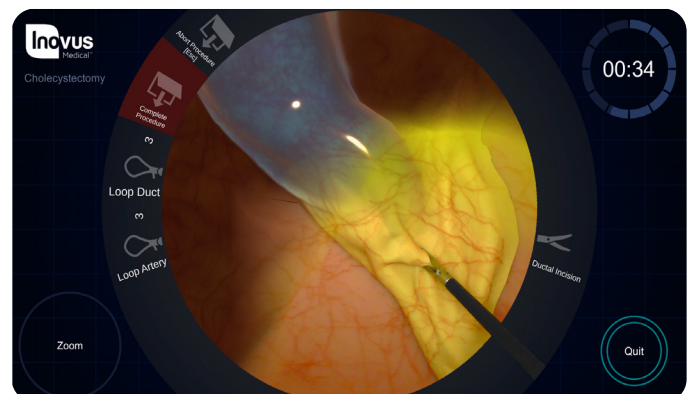
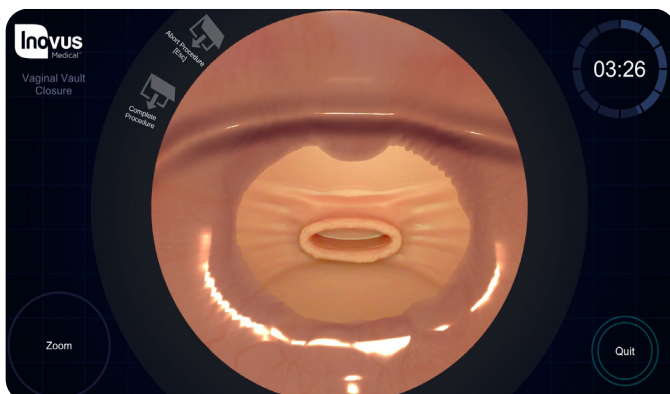
LapAR™ is the world's first 'high fidelity laparoscopic box trainer', bringing together the realism of expensive VR and the affordability of box trainer simulation, truly democratising access to high fidelity laparoscopic simulation and pre-operative warm up.

### Key features of LapAR™

- Close to life haptic feedback through synthetic soft tissue models
- Realistic digital anatomy fully integrated with soft tissue models
- Full procedure simulation (multiple specialties)
- Trigger and manage intraoperative complications
- Objective feedback on key metrics of surgical performance
- Performance tracking on validated curricula
- Record and review training progress with online portfolio

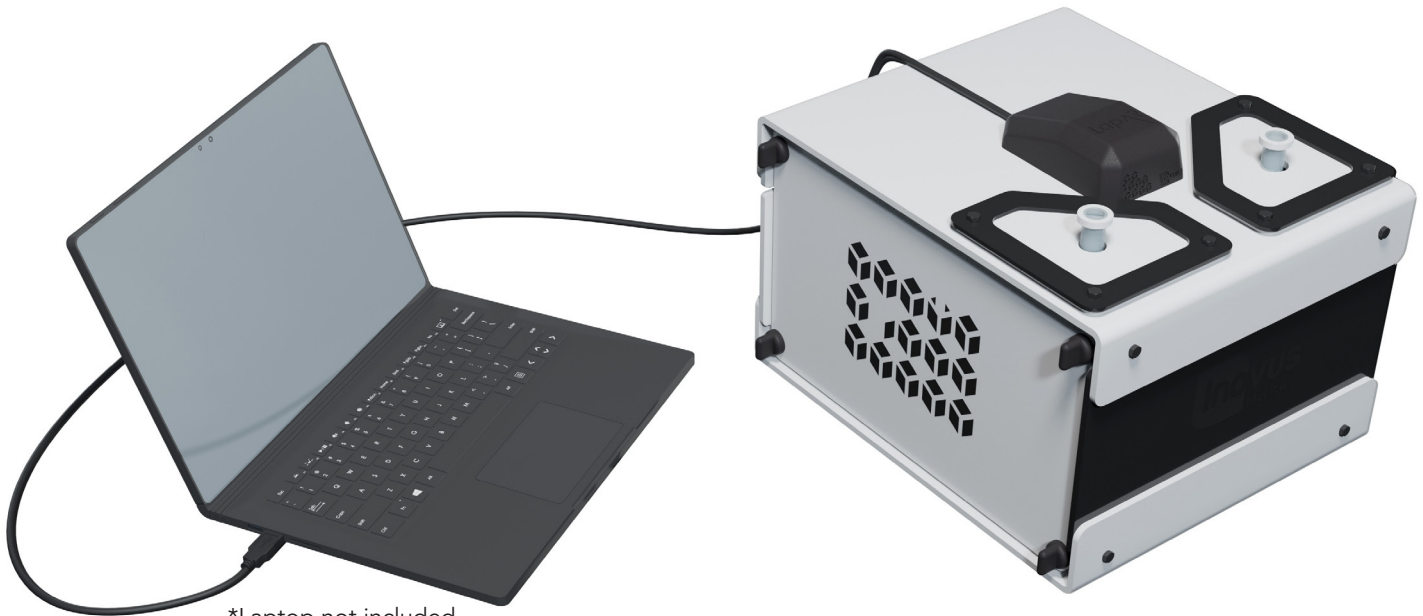
Shown to save healthcare systems >\$115 million per year through operative efficiencies when integrated into training programmes.

Full procedure simulation across gynaecology and general (including paediatric) surgery.



# LapAR™ - Take Home

The take home version of the LapAR™ serves an emerging demand for distance learning in laparoscopic simulation. The simulator allows the user to perform simulated full surgical procedures as well as basic skills tasks by connecting the simulator to their PC or laptop\*. Performance data is captured and displayed in the online portfolio and can be downloaded and added to surgical training portfolios and logbooks.



\*Laptop not included



Included in the package:

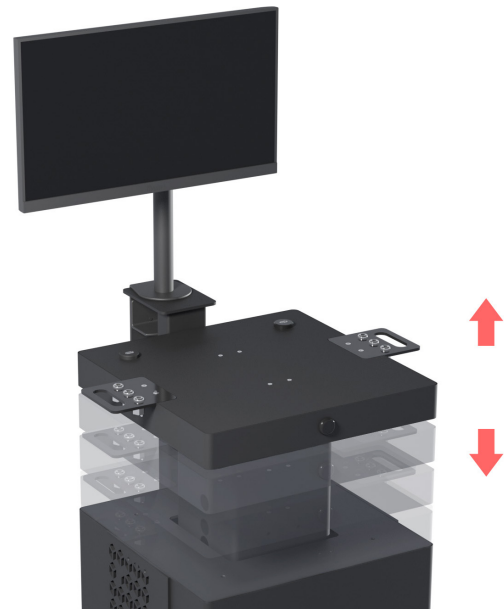
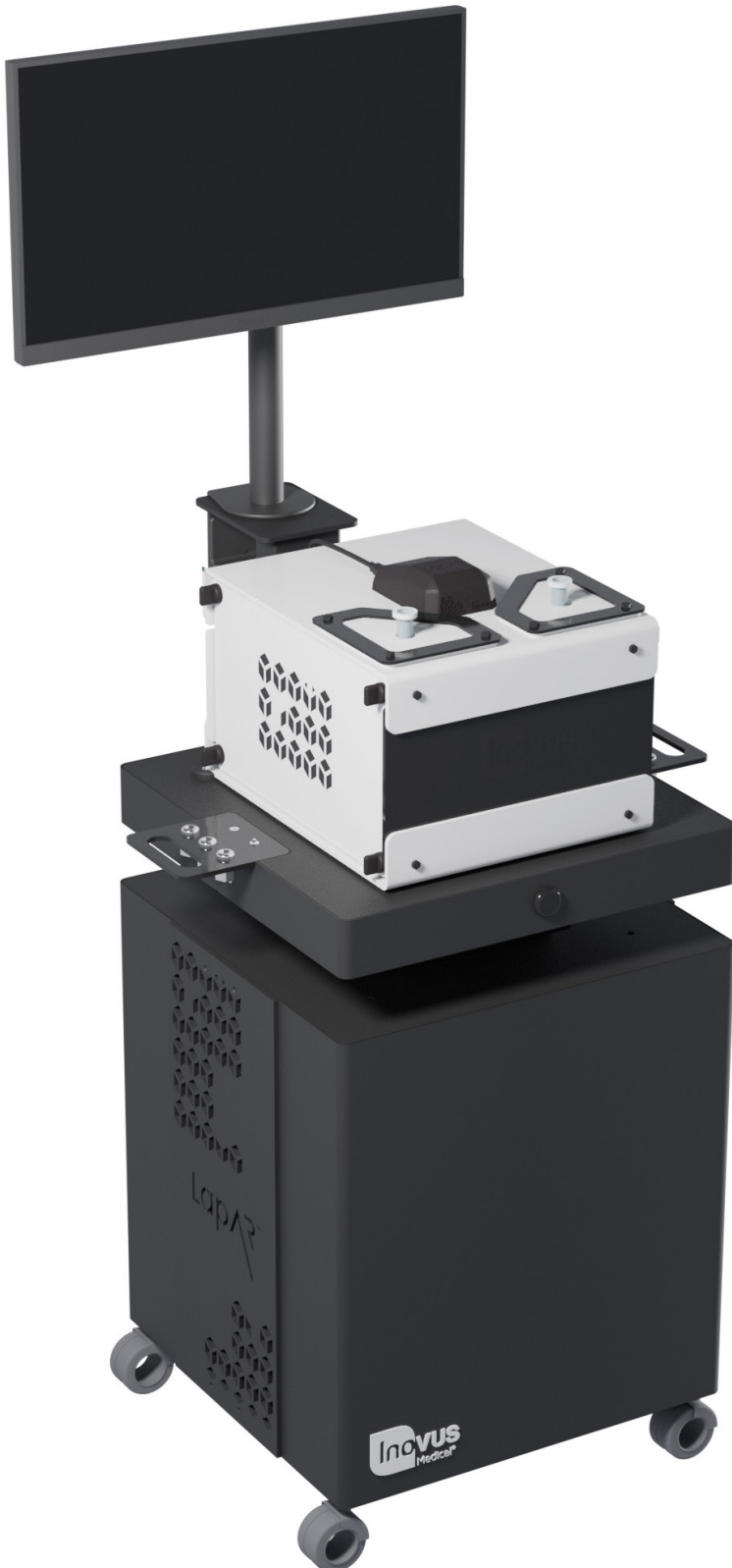
- LapAR™ box trainer with integrated 1080p USB camera
- Model mounting jig and abdominal wall skin
- 4x laparoscopic instruments: Maryland, Johan, scissors, needle holder
- 1x LapPass® kit
- 1x pack of sutures
- 5x medical models
- Single user licence for LapAR™ software and online portfolio

Product code:

INO-LAPAR-01

# LapAR™ - Pro

The Institutional version of LapAR™ offers educational and training institutions the opportunity to deliver high fidelity, fully tracked laparoscopic simulation at an unprecedented scale. The sleek, compact trolley system meets all laparoscopic training requirements from delivering basic, intermediate and advanced laparoscopic skills courses in simulation centres through to pre-operative warm up in the clinical setting. Unlimited user licences mean there is no limit to the number of surgeons that can be trained with LapAR™ Pro.



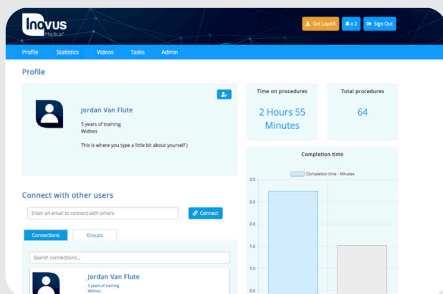
Included in the package:

- LapAR™ box trainer with integrated 1080p USB camera
- Model mounting jig and abdominal wall skin
- 5x laparoscopic instruments: Maryland, Johan, scissors, needle holder (x2)
- 1x LapPass® kit
- 1x pack of sutures
- Mobile trolley system with adjustable operating height
- Integrated computer with LapAR™ software pre-installed
- 22" touch screen monitor
- Monitor mounting system – can be converted to table top mounting
- Unlimited user licences
- Admin access to Inovus online training portal

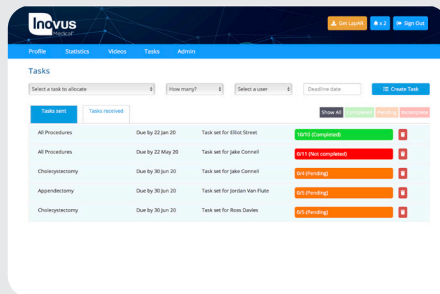
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INO-LAPAR-02

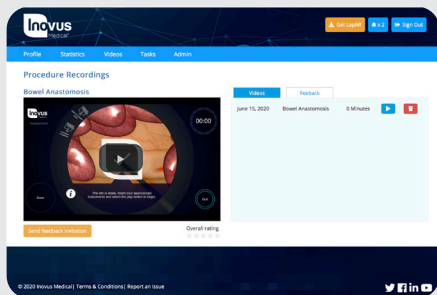




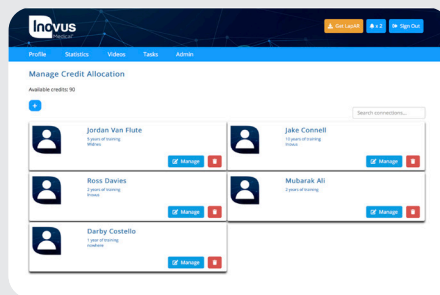
**My connections** – Connect to your trainees and remotely review their training progress and results.



**Manage Tasks** – Set tasks for trainees, track their progress with completion, receive alerts when deadlines have passed.



**Video Library** – Review full procedural videos, provide written qualitative feedback. Feedback time stamped to video for ease of follow up review by the trainee.



**Admin area** – Admin area – Allocate medical models to trainees from your central model repository and track the number of models in your repository.

The LapART™ Pro comes with unlimited user licenses allowing training centres to track the performance of all their surgeons with a fixed, transparent cost. The LapART™ Pro web portal has a huge amount of extra functionality to add value to trainees and trainers alike.

When you purchase the LapART™ Pro the extra training portal functionality can be used with any LapART™ take home system you also purchase; providing the most comprehensive and user-friendly distance learning platform for laparoscopic surgery.



This product is supported by SBRI Healthcare,  
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