

Training and Learning Modules

MedaPhor provides a growing library of training and learning modules for its ScanTrainer systems, including advanced pathology-related skills and interpretative case studies for the more experienced user.



MedaPhor is the UK's leading ultrasound education and training company, producing innovative training products for postgraduate medical professionals.

Training Courses

MedaPhor's blended ultrasound training environment integrates all of our training modalities into condensed three-day hands-on Obs & Gynae courses at the University Hospital of Wales, Cardiff.

E-learning

MedaPhor's online ultrasound tutorials introduce the principles of ultrasound scanning and are ideal for both graduates and medical practitioners seeking professional development.

Training models

A full range of Blue Phantom endovaginal training models are available from MedaPhor. (UK only)



Transvaginal ultrasound training simulator

What our customers think

"I would definitely recommend it as a very effective and modern simulation training method."

Dr Arpita Ghosh, ST5 trainee, Obstetrics & Gynaecology, St. Richards Hospital, Chichester.

"Our trainees have acquired considerable confidence in scanning live patients as a result of practicing on the simulator."

Dr Kalpana Upadhyay, Consultant Obstetrician & Gynaecologist, Wrexham Meilor Hospital.

"Attendees at our recent tutor course enjoyed working with the Scantrainer and the general feedback is that it is a useful training tool".

Elisabeth Epstein, MD, PhD, Associate Professor, Department of Obstetrics and Gynecology, Karolinska University Hospital.

"We are certain that the ScanTrainer will be a great tool for acquiring some of the necessary skills before examining the patients."

Prof Ann Tabor, Rigshospitalet, Copenhagen University Hospital.

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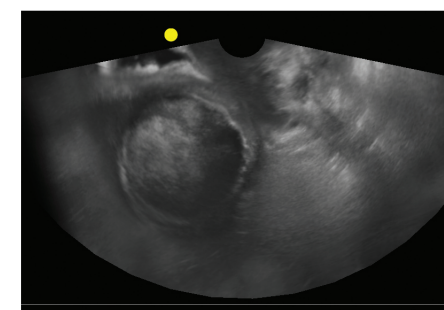


Core Skills Modules

The ScanTrainer simulator is installed with a range of Core Skills Training Modules to teach the basic transvaginal ultrasound scanning skills. Using a range of normal patient scans, these modules are designed to teach:

- orientation and probe manipulation
- identification and imaging of basic structures
- making appropriate measurements

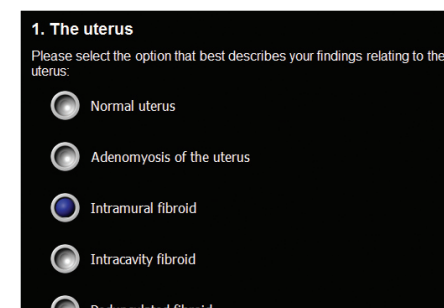
The structured learning process is completed with a final examination, which is timed and has the virtual anatomy training aid concealed.



Advanced Skills Modules

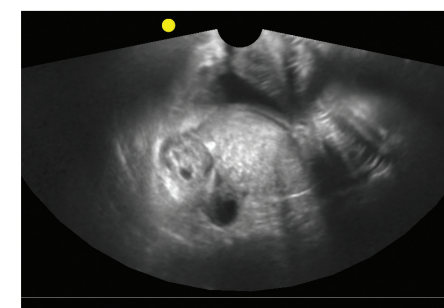
These include advanced transvaginal scanning skills for a range of obstetric cases and gynaecological pathologies, teaching skills such as identification and imaging of structures and making appropriate measurements. Detailed feedback is provided for every task carried out by the trainee.

Advanced Skills Modules include ectopic pregnancy, miscarriage, twins, early pregnancy, fibroid and ovarian cyst. We also have a package of patient scans for cervical length and IUCD positioning. For a full list of currently available modules see the ScanTrainer Modules and Case Studies List.



1. The uterus
Please select the option that best describes your findings relating to the uterus:

- ☐ Normal uterus
- ☐ Adenomyosis of the uterus
- ☒ Intramural fibroid
- ☐ Intracavity fibroid
- ☐ Deformed uterus



Differential Diagnosis Case Studies

In these case studies users are presented with a brief patient history and asked multiple-choice questions to test their diagnostic skills for a range of pathologies. All assignments have relevant diagnostic feedback.

Scan Library Case Studies

ScanTrainer's scan library is a "virtual textbook" that allows users to scan both common and rarer pathologies to help them develop their image interpretation skills. Targeted multiple choice questions describe the clinical significance of important features of each scan.



www.scantrainer.com

What is ScanTrainer?

ScanTrainer is a virtual-reality, 'real-feel' ultrasound training simulator which provides curriculum-based training and professional development, independent of a clinical setting.

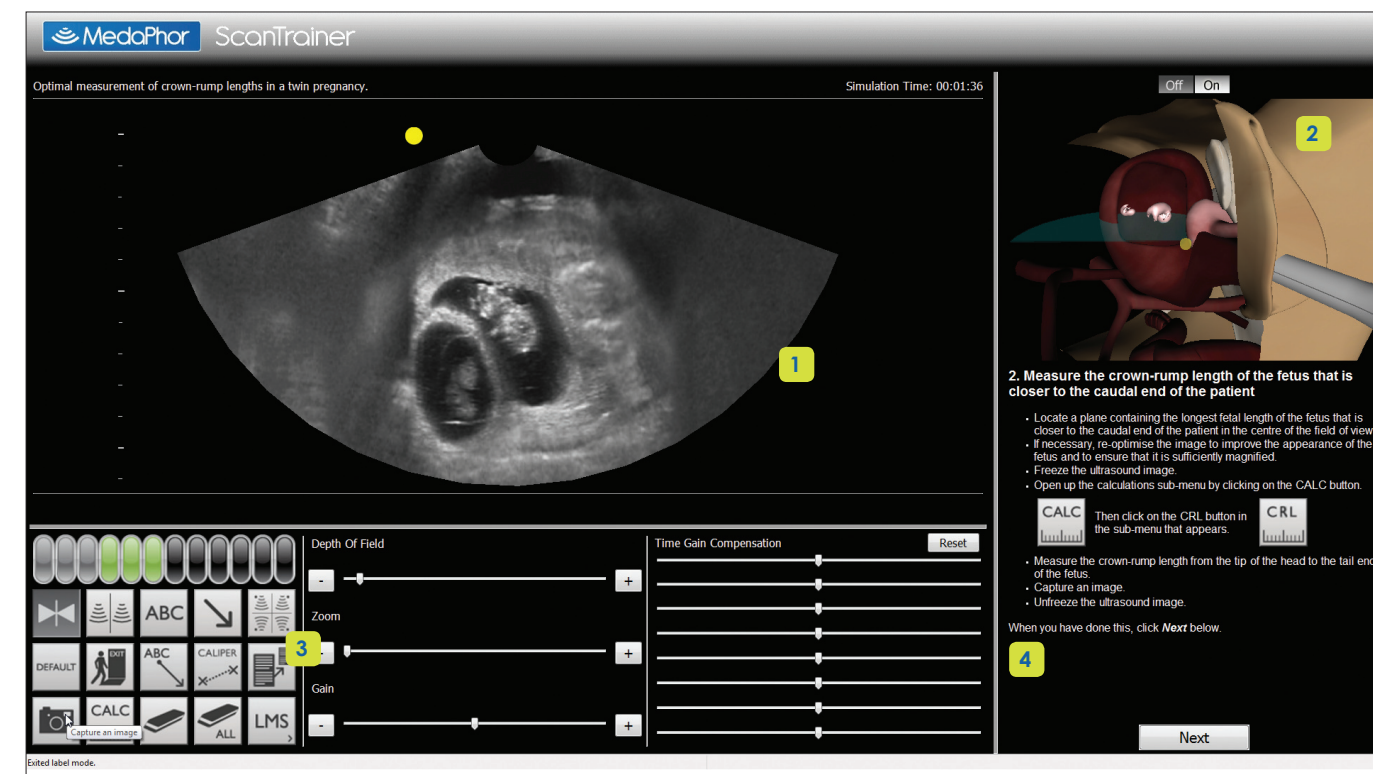
- Structured, curriculum-based learning
- Increases trainees' scanning skills prior to patient contact
- Dramatically reduces the requirement for training on live patients
- Minimises tutor teaching time
- Maximises tutors' knowledge of trainees' performance



Our new ScanTrainer V3 software has been developed in conjunction with feedback from ScanTrainer users around the world and represents a significant upgrade, making major improvements in both design and user functionality.

Among the many significant enhancements are improvements to the simulator and an all-new interface for the Learning Management System. Extended reporting functions are available, as well as tutor group and custom module options which allow training to be tailored for particular trainees.

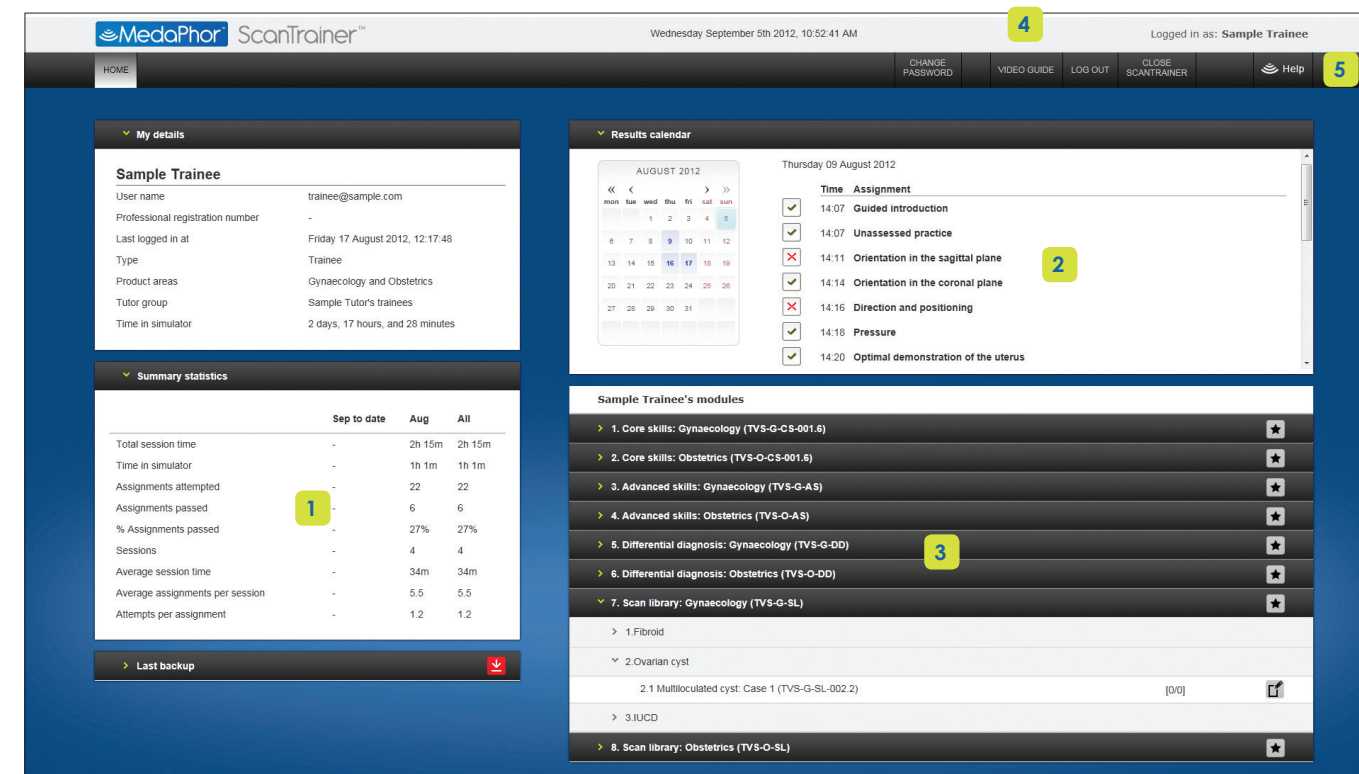
Simulator features:



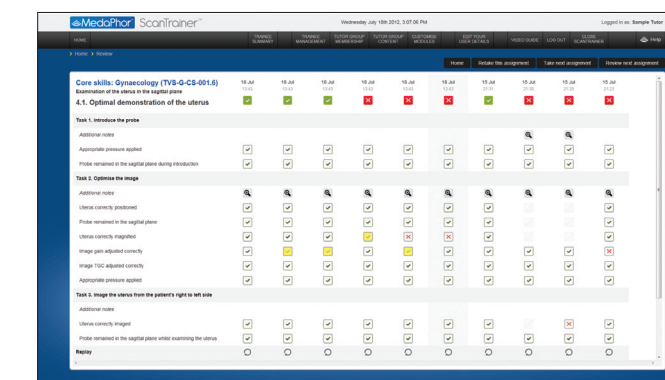
- 1 Scans of real patients
- 2 Improved virtual anatomy helps users understand the orientation of the ultrasound beam
- 3 Comprehensive ultrasound simulator including image optimisation and measurement functions
- 4 Step-by-step instructions guiding users through each scanning task

Improved Learning Management System interface

The all-new Learning Management System (LMS) makes it easier to navigate around ScanTrainer as the library of teaching modules and range of tutor options are extended.

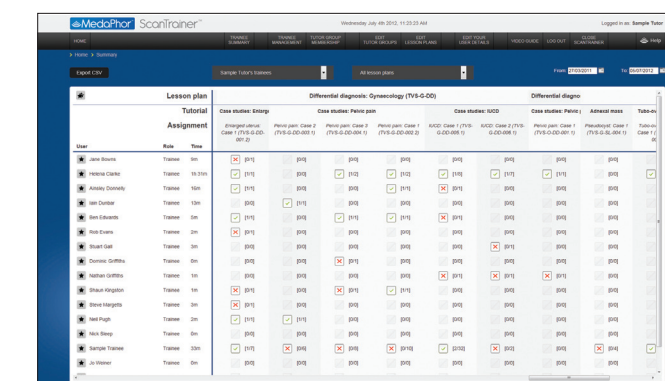


- 1 Summary Statistics window showing detailed usage information
- 2 Results Calendar summarising daily usage
- 3 Drop-down menus allowing users to easily find the training material they need
- 4 Separate video guides for trainees and tutors
- 5 Help function providing detailed context-sensitive help on all screens



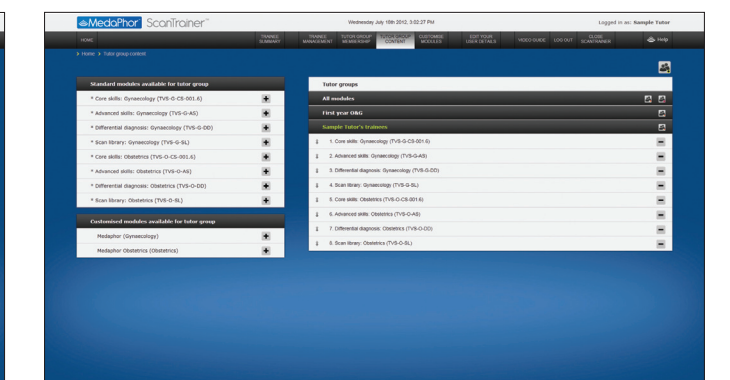
Detailed task-by-task feedback

All training metrics are compared against a gold standard and displayed in the results review screen. Trainees get detailed feedback allowing them to improve their scanning technique without direct supervision by their tutor.



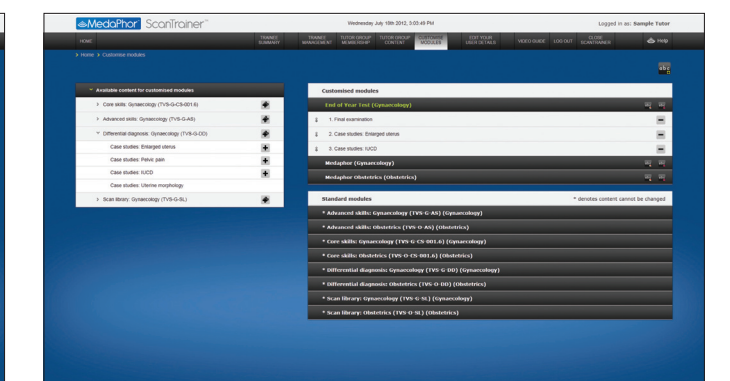
Summary reporting

The summary screen allows tutors to monitor trainees' progress and to compare the performance of all their trainees.



Customised tutor groups

Training groups can be created by each tutor, with customised content, making it simple to tailor ScanTrainer training to different levels of trainee.



Customised modules

Tutors can create custom modules which, for example, could include only those assignments they wish a particular group of trainees to practise.