



Summary

eMedical Academy courses can help healthcare organizations such as medical schools, teach FoCUS exam to a large cohort of students. The eMedical Academy online learning shifts learning from the instructor to the trainee while maximizing hands-on opportunities.













Implementation



Train the trainer

Senior medical students used eMedical Academy courses including eViews, eClips, eTopics, and eCases to develop expertise in FoCUS.



Foundation Using eViews

Trainees used eViews Course to learn FoCUS anatomy recognition, image acquisition and troubleshooting tips.



Hands-on Practice

Trainees practice image acquisition using a handheld US device, guided by the eViews modules in real time, at the patient's bedside.



Building Expertise Using eClips

eClips which are videos of actual patients, are used to develop recognition of normal vs pathological conditions.



Testing Knowledge

Hands on testing on live models to verify image acquisition skill.





Return on Investment

How working with eMedical Academy positively impacted our organization.



Long-Term Access to Training Materials Lead to Deep Engraining of the Topic

In contrast to the traditional FoCUS training via a conference based lecture followed by a few hours of hands on practice, having long term access to the online courses facilitated a deeper embedding of the content. Reference to video images and trouble shooting strategies at the patients' bed-side improve image acquisition skills.







Positive impact of eMedical Academy courses on the organization



Online learning made high-quality education accessible to a larger group of students.

Embedding eMedical Academy online courses as a required integral part of medical students' training had multiple advantages:

- Shifting the foundational learning from the instructor to the student
- 2. Establishing a strong and consistent academic baseline of the FoCUS exam across a larger cohort of students.
- 3. Focusing instructor time to hands on optimization of image acquisition



Access to the eMedical Academy Course improved FoCUS image acquisition.

A study comparing FoCUS image acquisition among 120 medical students with and without access to eMedical Academy eViews course showed statistically significant improvement in FoCUS image acquisition and speed among the group supported by the eViews course.



Path to Success

Hands-on practice is critical to mastery of FoCUS image acquisition. Defining how to incorporate hands-on practice into the educational plan is essential to a successful outcome.

Defining the organizational FoCUS training needs is critical in building an optimal education plan (identifying the number of trainees/yr, trainer availability, course selection, etc.).

Integrating eMedical
Academy online courses into
the organization's educational
plan ensures a consistent and
robust knowledge base. Selfdirected online learning is key
to a flexible learning
environment for the trainee
and reduced time
commitment on the part of
the trainer.

The evolution of eMedical Academy

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Training compliance, comprehension, and skill is verified using data and proficiency testing.