



CanMEDS Best Practices Submission Form
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CATEGORY

- Curriculum** — a design for education around the CanMEDS competencies.
- Teaching Tool** — a submission that will assist the teaching the specific CanMEDS competencies.
- Assessment Tool** — a submission that will assist in the assessment/evaluation of the CanMEDS competencies.

TYPE OF TOOL

- ITER Manual or Module OSCE Rotation specific objectives Workshops Facilitated Discussions
- FITER Group exercise Rotation Portfolios & Logbooks **Website** Other: _____

CanMEDS ROLES

- Medical Expert Communicator Collaborator Manager Health Advocate Scholar Professional **General**

TITLE Limit of 100 characters

DEVELOPMENT OF A WEB-BASED INTERNAL MEDICINE RESIDENCY CURRICULUM (e-Res.) USING PRINCIPLES OF ELECTRONIC ACADEMIC DETAILING.

AUTHOR(S)

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ABSTRACT Limit of 500 words

Effective knowledge translation is a challenging task in the setting of residency training. Electronic academic detailing (eDetailing) is a novel educational concept among health professionals. Our objective was to develop a web-based internal medicine residency curriculum (e-Res.) using principles of eDetailing.

We adapted principles of academic detailing for the Internet environment (eDetailing), and integrated these with CanMEDS competencies. These were embedded within various sections in e-Res. We chose an electronic learning course management system (WebCT) as the framework. Residents and faculty were invited to utilize this secured web application using an authentication system.

To provide references of current literature (medical expert, scholar, manager, health advocate), we included the syllabus and educational resource materials for our weekly academic half days; workshops and conferences; peer-reviewed original references by subspecialties (including preventive health); articles on the rational clinical examination series, and links to online medical recourses. In addition, we encouraged first hand experience in audio visual learning by including a separate auscultation center, with more than 60 heart sounds and murmurs. To stimulate resident involvement and interaction (communicator, collaborator, professional), we developed synchronous chat rooms, discipline-specific discussion forums, and internal email. We also build in capacity for individual resident homepages. Sections under construction include a collection of visual images (electrocardiograms, radiology imaging, and online atlas of images in medicine), regular needs assessment online surveys, and a weekly section that highlights key take home messages from all postings.

In summary, eDetailing principles and CanMEDS competencies can be integrated in the development of an Internet-based curriculum that has the potential of translating internal medicine knowledge among local and distant internal medicine residents, which augments traditional residency training. Future studies are warranted to measure the acceptance and utilization by of this novel web-based educational tool by internal medicine residents.

REFERENCES

- 1) Herse P, Lee A. Optometry and WebCT: a student survey of the value of web-based learning environments in optometric education. Clin Exp Optom. 2005 Jan; 88(1): 46-52.
- 2) Wong RY, Lee PE. Teaching physicians' geriatrics principles: a randomized control trial on academic detailing plus printed materials versus printed materials only. J Gerontol 2004 Oct; 59(10): 1036-40.
- 3) Bell DS, Fonarow GC, Hays RD, Mangione CM. Self-study from web-based and printed guideline materials. A randomized, controlled trial among resident physicians. Ann Intern Med. 2001 Mar 20; 134(6): 534-5.

Thank you for your submission. We will be contacting you shortly.