

Harnessing Technology to Power our LICs: Scheduling, Mapping, “App”ing and Beyond

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October, 2016

Objective

Explore the best and most innovative ways to utilize technology for administration and education in our LICs...



The Challenges

- Complexity and logistics of coordinating a large scale, and even small scale, LIC can be daunting.
- Disparate and remote sites, as well as customizing medical student schedules down to the half day require technology to facilitate scheduling, organization, and communication.
- The need for collaboration, and shared resources may require technology for curricular implementation.
- Assessment of students and program evaluation need to be reliable and user friendly.
- The LCME requires the annual upload of comprehensive curriculum maps.

About us:

Launching of a new medical school

- The 134th allopathic medical school in North America
- Founded 2011, Fully accredited 2015
- 64 students per class, all in LICs
- 2nd class graduated last spring
- 7 affiliated hospitals
- Over 150 outpatient preceptors
- Over 1000 affiliate teaching faculty



Integrating Technology

- Ipads
- “AmIon” for schedules
- MyEvaluations for evals
- LCMS+ for Mapping & Curriculum
- Blackboard-> Canvas
- Faculty Development - Podcasts



Ipads

An **EDUCATIONAL** project, rather than a purely technological one...

- Efficiently deliver all learning materials electronically
- Utilize innovative and engaging technologies
- Use of technology as tool for critical thinking and problem solving skills.
- Improve academic achievement and digital literacy
- Encourage innovation and creativity when answering difficult questions
- Promote life-long learning



Scheduling & Staying in Touch

With 64 students in 7 hospitals and hundreds of preceptor offices, we have had to embrace technology to help us schedule and communicate with our students and faculty.



Curriculum & Content Delivery



- Content & Resources
- Curriculum Mapping
- Overview Schedule

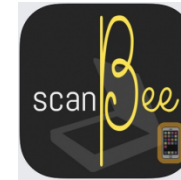


Access Apps



Apps !!

Organizing & Productivity



Direct Teaching



Study Materials



Clinical References & Resources



Patient Care



MEDCALC

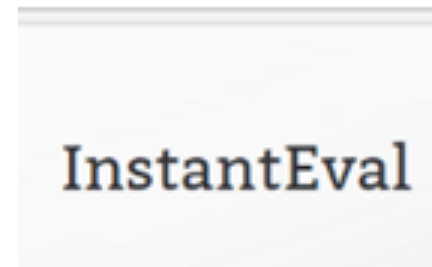
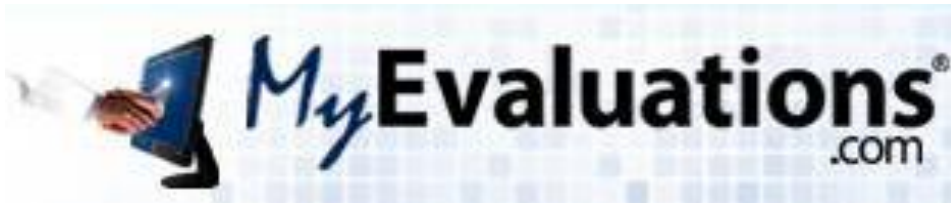


Lifelong Learning



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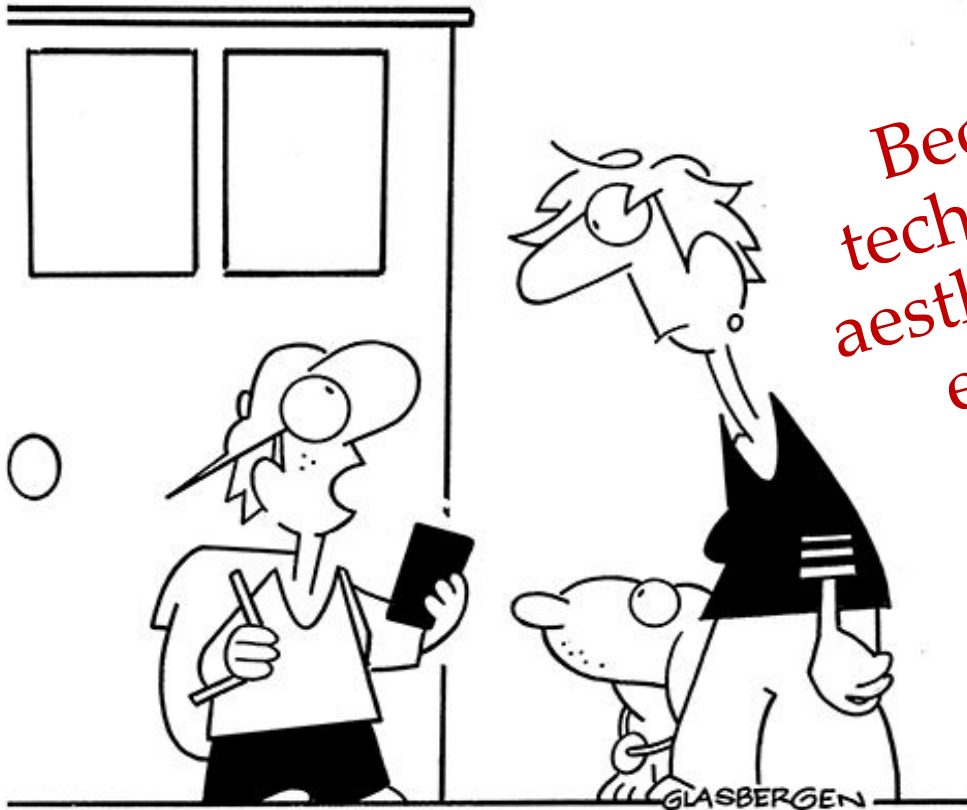
Evaluation Software



Teaching & Interactive Technologies

Good teaching is not replaced by technology
but is enhanced by it!

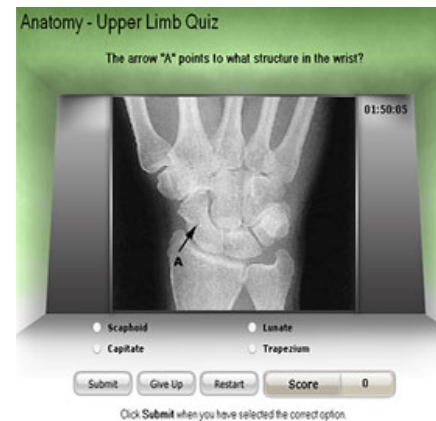
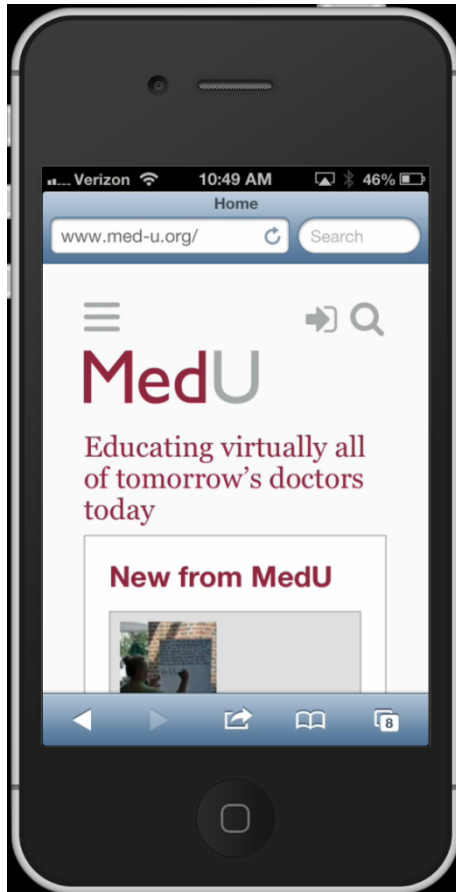
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*Become aware of new
technologies and provide
aesthetically appealing and
engaging educational
activities !*

**“Why am I going to school if my
phone already knows everything?”**

Other Resources...



Game Examples: Philips Medical Games, Jeopardy, Septris, Pulse!!, ElderQuest, 3DiTeams, Upper Respiratory Virtual Lab, A Zygote Story, Build-A-Brain, DecisionSim, Prognosis, Heart Sound Challenge...

Let's Discuss

- What technologies have helped you most in your LICs?
 - For Scheduling
 - For Teaching & Collaboration
 - For Curriculum Mapping
 - For Evaluations
 - Apps & Other Resources
- What technologies have been challenging?
- If you could envision the most helpful new technology for your LIC, what would it be?



Thank you! Please come visit!



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References

- Hobbs R et al. Towards an iPad-Based Curriculum for Pediatric Student Education: apps and beyond. COMSEP Workshop, April 2016.
- Sandars J, Morrison C. What is the NetGeneration? The challenge for future medical education. Medical Teacher 2007; 29:85-88.
- Berk RA. Teaching strategies for the Net Generation: Transformative dialogues: Teaching & Learning Journal 2009; 3:1-24.
- Roberts DH, et al. Twelve tips for facilitating Millennials' learning. Medical Teacher 2012; 1-5.
- Archbold D, Alegri H, Boscardin C, Poncelet A, Mayfield C, Wamsley M. Using tablets to support self-regulated learning in a longitudinal integrated clerkship. Med Educ Online 2014, 19: 23638 - <http://dx.doi.org/10.3402/meo.v19.23638>.
- K, Eley D, Baker P, Kruesi L. Medical students out of town but not out of touch: use of personal digital assistants to improve access to clinical information and enhance learning at the point of care in rural and remote Australia. Aust J RuralHealth 2010; 18: 878.
- Mihalynuk T, Bates J, Page G, Fraser J. Student learning experiences in a longitudinal clerkship programme. Med Educ 2008; 42: 72932.
- Hardyman W, Bullock A, Brown A, Carter-Ingram S, Stacey M. Mobile technology supporting trainee doctors' workplace learning and patient care: an evaluation. BMC Med Educ 2013; 13: 6.