Searching and using scientific and clinical literature at the point of care: Here's the app for that!

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Disclosure

- We wish …

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In 70 minutes

- McLeod – Introduction
- Mays – App evaluation
- Mays – Demo
- Ross – Demo
- Mackenburg-Mohn – Demo
- McLeod – Q & A

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Objectives

- Exploit mobile solutions for accessing, managing, and using journal articles in clinical practice
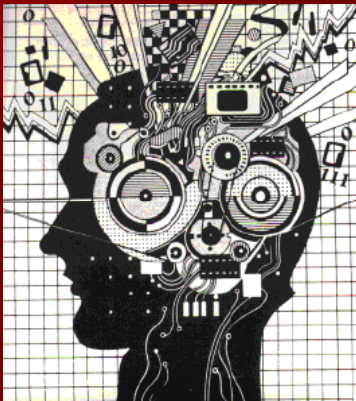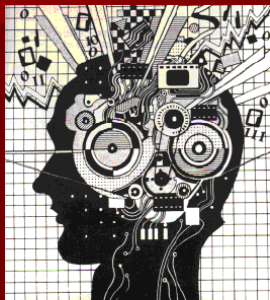- Evaluate mobile apps for iPhone, iPod Touch, and iPad

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Photo credit: http://www.weirdwarp.com/2009/05/blow-up-your-brain-with-quantum-physics-or-perhaps-not/

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Evidence based care

- Best practices
- Information explosion
- Practice-research gap

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Mobility changes everything

McGuire (2007). The power of mobility: How your business can compete and win in the next technology revolution.

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Mobile clinician

- Smartphone
- PDA
- Tablet

- Point of care
- Information on demand
- For provider & patient

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150 million
$9.5 billion
...in 9 months

9

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Post PC Technology

- Apple iPad (iOS)
- RIM Playbook (Blackberry OS)
- HP Touchpad (WebOS/Palm)
- Motorola Xoom (Android)
- Samsung Galaxy Tab (Android)
- Dell Streak (Android)

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Photo credit: http://www.pcworld.com/

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What makes a good app?

- Cupcake
- Wedding cake
- Crab cake

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Idea credit: Sandeep Shah, Skyscape, Inc.

Six attributes of information app

1. <u>access</u> - search CINAHL, MEDLINE, PsycINFO, Cochrane Library, etc.
2. <u>tailor</u> - save a successful search, create a robot to run it, get an email every time there is a new article, and import the article from email/link

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Six attributes of information app

3. <u>retrieve</u> - download articles (or order from ILL then download), highlight and annotate
4. <u>archive</u> - build a personal library of articles - with the metadata - so that they can be sorted and searched

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Six attributes of information app

5. <u>share</u> - output to video for discussion; email or export article, metadata, and case notes to PC/professional networks; and integrate evidence with electronic health record
6. <u>write</u> - use metadata to "cite while you write" and build reference lists
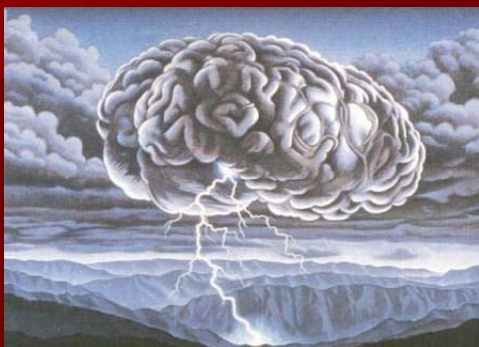
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Top ten information solutions

Papers

ePocrates

Medscape

WebMD

Physical Exam HD

Shots

ED Radiology

WolframAlpha

Shots by STFM

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Photo credit: http://brain-storming.info/

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