**Setting**

- Up to 150 students in wired lecture hall
- 1st year medical students enrolled in core course
- 4-session series covers
  - Finding and evaluating professional-level medical information
  - Searching MEDLINE
  - Finding psychosocial information
  - Searching MEDLINE using evidence-based medicine approach

**Problems**

- Large-group lecture-style instruction fails to fully engage students
- Students do not receive timely feedback on search and evaluation skills
- Students do not see variety of possible responses and do not engage in peer or self evaluation

**Methods**

- Lecture replaced with interactive question/answers to facilitate student participation
- Sessions designed to allow time to search for information and evaluate specific resources
- Students are asked to submit their ‘best’ resource via blog comment or to vote for the ‘best’ resource using a clicker
- Instructor solicits student feedback and facilitates discussion of resources, analyzing advantages and disadvantages of specific resources
- Instructor demonstrates and describes how specific evaluation criteria and/or search strategies reflect best practices.
- Students view range of responses and asked to reflect on their response as well as peer responses

**Results**

- Student feedback has been largely positive
- Students enjoy using the clickers and entering their results on the blog though some experience difficulty using the ‘capcha’ security setting
- Instructors require additional planning time to create substantive clicker questions and re-design course content around activities

**Conclusions**

- The use of clickers and blogs creates a dynamic instructional setting especially considering large-group and lecture setting
- Blogs and clickers permit librarians to solicit real-time answers from students and to use that information to provide feedback and instruction at the point of need
- Student interaction with concepts and resources will hopefully lead to better recall and greater skill in selecting resources

**Search #1**

- Look at these two websites and search for information on autism:
  1. National Network for Immunization Information
  2. National Vaccine Information Center
- Which website would you use for information? Why?

**Search #2**

- What are the different types of hip fractures?
- Find information for your PCL group on this topic.

**Which website would you use for information on vaccines & autism?**

1. National Network for Immunization Information
2. National Vaccine Information Center

**Bias / Disclosure**

- Where does financial support for the webpage come from?
- How do the beliefs/interests of the creators affect the information? How?
- Are advertisements clearly separated from editorial content?

**Professional-Level**

- Professional sources
  - Used by medical students and physicians
  - Basic sciences, clinical medicine
  - AccessMedicine, MDConsult, MEDLINEplus...
- Patient sources
  - Used by patients and family members
  - What is this? How is it treated?
  - Wikipedia, MEDLINEplus, WebMD