“It’s Academic”
Practical Scholarship for the Practicing Physician*

Elizabeth Hanson, M.D., M.A.

*also applies to other health care professionals, administrators, educators

Disclosures

• Elizabeth Hanson, M.D., M.A. has no relationships with commercial companies to disclose.

Learning Objectives

At the end of this presentation, the participant will be able to:
1. Define the basic criteria for scholarship
2. Discuss how the criteria for scholarship can apply to physician careers in education, clinical service, and advocacy.
3. Identify steps necessary to move a current or future professional endeavor into the realm of scholarship

Poll Everywhere Instructions

• Text “ELIZABETHHAN805” to “37607” to join session
  • The phone number is 37607
  • The message is ELIZABETHHAN805 (not case sensitive)

One or more of my current professional experiences qualifies as scholarship

• Yes
• No
• Unsure

Outline

• What is scholarship?
  • Physician Career Case Studies
    • Education
    • Clinical Service
    • Advocacy
  • Career Reflection Activity

What activities “count” as scholarship?

• Poll Everywhere Word Cloud
Types of Scholarship

Boyer’s Model

<table>
<thead>
<tr>
<th>Type</th>
<th>Purpose</th>
<th>Rounds Measures of Pedagogy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discovery</td>
<td>Build new knowledge through evidence research</td>
<td>Publishing peer reviewed articles, presenting and performing creative work at relevant conferences, creating influential new ideas</td>
</tr>
<tr>
<td>Integration</td>
<td>Interpreting the use of knowledge across disciplines</td>
<td>Engaging in cross-disciplinary activities, developing faculty expertise in emerging areas, mentoring and inspiring future leaders</td>
</tr>
<tr>
<td>Application</td>
<td>All faculty and professionals in addressing problems</td>
<td>Applying comprehensive knowledge to real-world problems, fostering innovations in education, promoting social and economic impact</td>
</tr>
<tr>
<td>Teaching</td>
<td>Enhancing teaching excellence and pedagogical innovation</td>
<td>Developing and assessing teaching strategies, advancing educational theory and practice</td>
</tr>
</tbody>
</table>


What are the criteria for a project to become scholarship?

- Poll Everywhere word cloud

The Scientific Method

http://pbskids.org/video/ready-jet-go/2365644213

Criteria for Scholarship

- Clear Goals
- Adequate Preparation
- Appropriate Methods
- Significant Results
- Reflective Critique
- Effective Presentation


Case study 1: The Awesome Teacher

Dr. C is everyone’s favorite attending on the wards. She is always prepared with great “chalk talks” on the clinical cases they encounter and conducts regular bedside teaching rounds with the students.

She frequently receives the annual “best teacher” type awards as voted on by medical students and residents.

Is Dr. C engaged in scholarship?

Scholarship in Teaching

Pediatric Grand Rounds - UT Health San Antonio 8/18/2017
Dr. C’s Project: Teaching the Hip Exam

<table>
<thead>
<tr>
<th>Glassick's Criterion</th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Clear goals</td>
<td>What does an MS3 vs. Pedi resident need to know/do with regard to neonatal hip exam? Teaching Objectives</td>
<td></td>
</tr>
<tr>
<td>Adequate preparation</td>
<td>Lit. review of current best-practices in detection of congenital hip dysplasia; search for published curricula on this topic</td>
<td></td>
</tr>
<tr>
<td>Appropriate methods</td>
<td>Organize information, tailor to learner level</td>
<td></td>
</tr>
<tr>
<td>Significant results</td>
<td>Select teaching AND evaluation methods appropriate for setting, objectives, and learner level</td>
<td></td>
</tr>
<tr>
<td>Effective presentation</td>
<td>MS3→Applied knowledge: Case-based discussion→ quiz</td>
<td></td>
</tr>
<tr>
<td>Reflective Critique</td>
<td>Residents→Skill: demonstration, simulation→observed practice</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Can residents perform hip exams reliably?</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Was it because of the intervention?</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Workshop at pediatric education meeting on novel curriculum to teach the hip exam in the clinical setting</td>
<td></td>
</tr>
<tr>
<td></td>
<td>What worked, what didn’t, refine teaching methods</td>
<td></td>
</tr>
</tbody>
</table>

Case 2: The Fearless Leader

Dr. S is everyone’s favorite colleague and service chief. She works with administrators and staff to troubleshoot issues on the clinical service works tirelessly to ensure that the needs of her faculty are met. When in clinic, she is diligent and thoughtful, always ensuring that patients receive the best care she can provide.

Is Dr. S engaged in scholarship?

Scholarship in Clinical Service

More Examples

Scholarship Ideas for Dr. S

Dr. S is everyone’s favorite colleague and service chief. She works with administrators and staff to troubleshoot issues on the clinical service works tirelessly to ensure that the needs of her faculty are met. When in clinic, she is diligent and thoughtful, always ensuring that patients receive the best care she can provide.

Opportunities for Effective Presentation

- Workshops
- Abstracts
  - Poster/Platform presentations
- Online repositories: e.g. MedEd Portal
- Publications
  - Clinical practice guidelines
  - Reviews
  - Education Journals
  - Innovation reports
  - Educational research reports
  - QI focused journals
Case 3: The Committed Advocate

Dr. R is a tireless patient advocate. Frequently he identifies needs in his patient population that apply to the community at large. After further investigation of these issues, he works with the local chapter of the AAP and professionals from a variety of fields to design a targeted approach. He has written several op-eds, given interviews to the local news station, and even co-authored a bill with a state senator.

Is Dr. R engaged in scholarship?
Documenting Dr. R’s Advocacy

<table>
<thead>
<tr>
<th>Activity</th>
<th>Quantity</th>
<th>Quality</th>
<th>Engagement with advocacy community</th>
</tr>
</thead>
<tbody>
<tr>
<td>Practice Level</td>
<td>Payor mix</td>
<td>Patient outcomes</td>
<td>AAP guidelines</td>
</tr>
<tr>
<td></td>
<td># referrals to community</td>
<td>Patient evals</td>
<td>Interdisciplinary medical home</td>
</tr>
<tr>
<td></td>
<td>Screening rates</td>
<td></td>
<td>Participation in practice networks/collaborative</td>
</tr>
<tr>
<td>Systems Level</td>
<td># of roles/committees</td>
<td>Letters:</td>
<td>Asset based approach</td>
</tr>
<tr>
<td></td>
<td>Dates/Hours spent in activities</td>
<td>• Community partners</td>
<td>Collaborative</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Legislators</td>
<td>Interdisciplinary</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Awards</td>
<td>Peer-reviewed publications</td>
</tr>
</tbody>
</table>

Career Reflection Activity

- Reflect on the things you are currently doing in your day to day work
- Choose one activity/interest that you would like develop into an opportunity for scholarship
- Briefly sketch out a plan for how you will apply Glassick’s Criteria for Scholarship
  - For each category write what you have already done or need to do to make sure you meet all criteria
  - What is your first/next step?
  - Make a commitment!

Glassick’s Criterion Career Reflection Worksheet

- Clear goals
- Adequate preparation
- Appropriate methods
- Significant results
- Effective presentation
- Reflective Critique

Make a commitment!
In the next 2 months I will...
- Poll Everywhere short answer

Practical Tips

- Know thyself: Keep track of what you do!!
  - Educator Portfolios (APA), Q2 Engage
  - Advocacy Portfolios...Coming soon...for now adapt
  - eCV/CV
  - Residents: New Innovations Scholarly Activity Log

- Know thy enemy: How are you being measured?
  - Faculty: P and T criteria
  - Trainees: Residency/fellowship application process, job search process

Additional Resources

- APA Scholars Programs
  - Educational Scholars
    - [https://www.academicpeds.org/education/education_scholars_program.cfm](https://www.academicpeds.org/education/education_scholars_program.cfm)
  - Research Scholars
    - [https://www.academicpeds.org/research/APA_ResearchScholarsProgram.cfm](https://www.academicpeds.org/research/APA_ResearchScholarsProgram.cfm)
  - Quality and Safety Scholars
    - [https://www.academicpeds.org/healthCareDelivery/QSISProgram.cfm](https://www.academicpeds.org/healthCareDelivery/QSISProgram.cfm)
  - Health Policy Scholars coming soon

- Teaching Skills Workshop Series
- APA Educator Portfolio Template
  - [https://www.mededportal.org/publication/626](https://www.mededportal.org/publication/626)