Starting University Clinical Careers Efficiently, Scholarly, and Successfully

Creating Scholarship in the Clinic

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Clinical Work and Career Development

• **2009:**
  - Joined Infectious Diseases Faculty Assistant Professor on CE Track
  - 7 HIV clinics; 1 OPAT clinic; Inpatient Consults

• **2016:** LEAD Program

• **2020:**
  - Medical Director for ID/OPAT Clinic 2010-present
  - Associate Vice Chair of Innovation and High Value Care Department of Internal Medicine
  - Chief Innovation Officer Parkland
  - Clinical Research NIH: COVID Testing in Vulnerable Populations
OPAT: Outpatient Parenteral Antimicrobial Therapy
Addressing a Clinical Problem

- Hospital days
  - 42

- Intensity of services

- Burden on safety-net hospitals

- Burden on patients

- 3 Hospital days
  - 42
“Self-care” as Proposed Solution

- S-OPAT
- Let patients self-administer by gravity

**Challenges**
- 4th grade Literacy
- Transportation
- No Home Visits
- Infusion technique
- Compliance including weekly follow-up
- Maintenance of long term IV antibiotic care
Teach and Test at Bedside
Refining Methods
Preparation of IV Antibiotic
Infusion at Home
Scholarly Work: 4 Year Clinical Outcomes

- 30 day readmission 47% lower for “self-care” population vs pts receiving standard of care
- 27,666 inpatient days avoided ~$40,000,000
- Improved resource utilization by freeing beds for acutely ill
Achieving the Triple Aim Through Disruptive Innovations In Self-Care
Bhavan KP, Agrawal D, Cerise F.
JAMA. 2016 Nov 22;316(20):2081-2082.
Long term intravenous antibiotic treatment

Site of Care
Increasing Value

Care Provider – increasing value
Opportunities from Scholarly Work in Clinic

• Center for Innovation and Value at PHHS created to:
  • Expand Innovation in Care Delivery
  • Expand High Value Care
  • Enhance Clinical Research in Health Disparities

Collaborative Research
University of Chicago
Midwestern States
Summary

Importance of Scholarly Work from Clinic

Physicians (and other frontline providers) caring for patients are:

• In positions to recognize challenges and limitations encountered in daily clinical practice

• Able to:

  1. Define problems
  2. Propose solutions
  3. Study clinical outcomes
  4. Share knowledge in peer reviewed literature
  5. Collaborate with others: QI and clinical research
  6. Lead efforts to improve delivery of care
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Summary of Key Points

1. Don’t be afraid! Embrace opportunities.
2. Your passion for delivering outstanding patient care can translate into scholarly products.
3. Elevating patient care through innovations can and must be published.
4. If you have an administrative role, leverage it for time and access needed for progress in research.
5. Connect to your Department’s quality, innovation, and think tank groups with resources.
Additional Information and Resources

1. Center for Innovation and Value at Parkland

2. Strategies for Successful Patient Oriented Research: Why Did I (not) Get Funded?

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Questions? Email me!

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