



Virginia Commonwealth University  
**VCU Scholars Compass**

---

Health Sciences Education Symposium

School of Medicine

---

2019

# Setting Foundations for Pediatric Fellowship Core Curriculum Training

Ashlie Tseng

Follow this and additional works at: [https://scholarscompass.vcu.edu/med\\_edu](https://scholarscompass.vcu.edu/med_edu)

 Part of the [Medicine and Health Sciences Commons](#)

© The Author(s)

---

This Oral is brought to you for free and open access by the School of Medicine at VCU Scholars Compass. It has been accepted for inclusion in Health Sciences Education Symposium by an authorized administrator of VCU Scholars Compass. For more information, please contact [libcompass@vcu.edu](mailto:libcompass@vcu.edu).

# SETTING FOUNDATIONS FOR PEDIATRIC FELLOWSHIP CORE CURRICULUM TRAINING

Ashlie Tseng, MD  
Suzanne Lavoie, MD,



# BACKGROUND

American Board of Pediatrics (ABP) and Accreditation Council for Graduate Medical Education (ACGME) require pediatric subspecialty fellows to learn a core curriculum of scholarly topics

Traditionally, each fellowship would develop curricula for their own fellows

Now, nationally, many pediatric programs are working towards providing a common core curriculum which is available across disciplines to improve training and transitioning to academic careers<sup>1,2,3</sup>

# REQUIREMENTS

American Board of Pediatrics (ABP) – core curriculum of scholarly activities

- Research: biostatistics, research methodology, study design, funding applications/research protocols, ethics
- Evidence-based medicine
- Teaching: adult learning principles, skills to participate in curriculum development, feedback, feedback, assessment, effective teaching skills
- Quality Improvement (QI)

# REQUIREMENTS

## Accreditation Council for Graduate Medical Education (ACGME)

- Encourage departmental approach to common educational issues
- Research: biostatistics, research methodology, funding applications/research protocol approval, ethics
- Evidence-based medicine, critical literature review
- Proficiency in teaching: adult learning, curriculum development, feedback, assessment
- Leadership/administration
- Patient Safety/Quality Improvement (QI)/Systems-based improvement



# PEDIATRIC SUBSPECIALTY FELLOWS

Allergy/Immunology

Cardiology

Critical Care Medicine

Endocrinology and Metabolism

Hematology/Oncology

Hospital Medicine

Infectious Diseases

Neonatal Medicine

Nephrology

Pulmonary

# LEARNER OBJECTIVES

By completion of the Pediatric fellows core curriculum, pediatric fellows will be able to:

1. Recognize the requirements set out by the ABP and ACGME for fellowship training
2. Recognize principles of scholarly activity in research and quality improvement
3. Describe principles and skills for teaching learners in different settings

# STRUCTURE

## Monthly core conferences from 3-5pm

- August 2018: introduction to conference, feedback from previous conferences, sharing of scholarly projects sharing of projects
- Officially started September 2018

## Divide by year of training

- First year
- Upper level fellows: second and third year fellows
- All fellows

## Goal:

- Most first year topics to repeat every year
- Other topics repeat every two (or three) years



# CORE CONFERENCE

## First Year Topics

- Library resources/Literature search
- Study Design
- Research methodology
- Statistics
- Mentorship

## Second/Third Year Topics

- Job Search Panel
- Publishing/Scholarly Activity in QI
- Quality Improvement – Displaying/Analyzing Data
- Leadership

# CORE CONFERENCE

## All fellows

- Scholarly approach to teaching strategies
- CV/Cover Letter Prep, Educator's Portfolio
- Informatics/Research queries/REDCap
- Finding Funding and Grant Writing
- Conflict Negotiation
- Communication Simulation
- High-Value care/Healthcare economics, etc.
- CPC/Case Presentation – EBM, critical literature review

# FEEDBACK

Look at overall satisfaction, format, and value, objectives and learning

- *Based on the feedback format by the Council on Medical Student Education in Pediatrics (COMSEP) for use in educational workshops*

	Mean	Range
Workshop was effective	4.55	3-5
Speakers were effective	4.58	2-5
Format of the activity was appropriate for its content	4.59	2-5
Activity was worthwhile for professional development	4.55	3-5
New knowledge and skills were learned	4.41	2-5
Will apply the knowledge and skills	4.55	3-5
Activity was relevant for their role	4.64	3-5

**September 2018 to January 2019**

Range 1-5:

1-strongly disagree

3-neutral

5-strongly agree

\*Variable number of feedback responses per session

# CHALLENGES

How to best balance year of training with topics covered

Different fellows with different levels of training/experience

Attendance/engagement

Obtaining feedback

Getting speakers/experts in the field/area

# NEXT STEPS

## Plan for second year of curriculum

- Incorporate other resources into curriculum
  - IHI, CITI training, R4RF

## Curriculum study/evaluation

- Study curriculum as a whole at the one year interval and upon completion of two years
- Assessment of fellows on specific learning objectives (e.g. teaching, QI)
- Evaluate overall outcomes of conference and curriculum
  - Production of scholarship
  - Post-graduation career choices

# REFERENCES

1. Campbell JR, Palazzi DL, Rama J, Balmer D, Schutze GE, Turner TL. Building Bridges Between Silos: An Outcomes-Logic Model for a Multidisciplinary, Subspecialty Fellowship Education Program. *Acad Pediatr*. 2015;15(6):584-587. doi:10.1016/j.acap.2015.08.010
2. Rama JA, Campbell JR, Balmer DF, Turner TL, Hsu DC. Investing in future pediatric subspecialists: a fellowship curriculum that prepares for the transition to academic careers. *Med Educ Online*. 2015;20:26714. <http://www.ncbi.nlm.nih.gov/pubmed/25861876>. Accessed April 26, 2018.
3. Halpern-Fisher B, Herman B, Klasner A, McGanna K, Myers A, Mason K, Weiss P, Gans H. Building brideges: developing a core curriculum for pediatric subspecialty fellowships. Workshop presentation at: Association of Pediatric Program Directors Spring Meeting; March, 2018; Atlanta, GA.



QUESTIONS?