

**Immersion Phase  
Class of 2025  
Planning Your Phase:  
Registration Fair and Elective Counseling**



School *of* Medicine

# Session Objectives


- Discuss graduation requirements
- Provide counseling on elective choices by faculty Specialty Advisors
- Provide support for students to design their Immersion Phase schedule



# Curriculum 2.0: Immersion Phase

A highly individualized post-clerkship phase that uses clinical context to build upon prior learning

Advanced Clinical Experiences   
rigorous clinical rotations

Integrated Science Courses   
mixed didactic and clinical experiences

Acting Internships   
supervised intern-level responsibilities

Research   
mentored research project



## IMMERSION PHASE GOALS

- Deepen **FOUNDATIONAL SCIENCE KNOWLEDGE** during meaningful clinical engagement
- Solidify **CLINICAL SKILLS**
- Enhance **PRACTICE-BASED LEARNING SKILLS**
- Ensure readiness for **INTERN ROLE/RESIDENCY**
- Expand knowledge and skills regarding **SCHOLARSHIP**
- Further grow knowledge and skills regarding **LEADERSHIP**
- Encourage **PROFESSIONAL DEVELOPMENT**

# C 2.0 Immersion Phase Requirements (traditional)

Minimum C2.0 Requirements (in Months)		
On-Campus	4	Integrated Science Courses (ISCs)
	1	Acting Internship (AI)
	4	Advanced Clinical Electives (ACEs)
On-Campus or Away (away with approval*)	3	Research Immersion
	3	Competency and Interest-Driven Rotations <sup>#</sup> (can be ISCs, ACEs, AIs or AEs)
15 required months		Must include: 1 Primary Care course 1 Acute Care course (EM or ICU-based course)
7 Flex months		2 months for Step Study + 1 month for interviews + 4 flex months

<https://medschool.vanderbilt.edu/md-gateway/elective-counseling-imm-reqs/>

*ISC, ACE, and AI grading = H/HP/P/F*

*Students can register for up to 19 months*

*\* No more than two clinical aways for graduation credit*

*#At least one must be clinical rotation*



# C2.0 Longitudinal Requirements Summary

Longitudinal Course Requirements				
Foundations of Health Care Delivery—10 units		Learning Communities—8 units	Research—3 months	
5 self-enrolled, taken with a primary course	5 units completed during week-long FHD Immersions	All self-enrolled, taken with a primary course	PLAN Required	3-6 block Research Immersion

Students must be present for face-to-face sessions:

- FHD has one or two on Tuesdays from 1-5p
- LC has one on a Monday from 1-3p or 3-5p

Immersion Weeks are mandatory. Do not submit abstracts to meetings during these weeks:

- Aug. 21-25, 2023 (Immersion Orientation and FHD AC1 and PHP)
- Feb. 26-March 1, 2024 (EPA week)
- April 29-May 3, 2024 (FHD AC2 and IPE1)
- TBD between February and March 2025

# Elective Counseling Resources

<https://medschool.vanderbilt.edu/md-gateway/elective-counseling-overview/>



**MD Gateway**

## Elective Counseling Overview

### Immersion Phase Elective Counseling Overview

Immersion Phase Elective Counseling is a joint effort between Medical Student Affairs, Careers in Medicine, the Immersion Phase Team, College Mentors, and the Faculty Specialty Advisors designed to support students in planning and managing their Immersion Phase schedules to ensure timely achievement of graduation requirements and preparation for post-graduation plans.

In need of individual elective counseling? Please [let us know](#) so we can schedule a one-on-one session with you!

### Elective Counseling

Elective Counseling:  
Immersion Phase  
Requirements

Elective Counseling:  
Documents

Elective Counseling:  
Presentations

Elective Counseling Overview

# Approach to IP Planning

- Be mindful of your peers as you plan
- Plan ahead for the full phase
- Year 3 should be exploratory
- Make sure to balance general medical education vs specialization



# Approach to IP Planning

- Have several schedules planned and recognize that you will make many changes to your schedule
  - Make sure to register through June 2023
  - Leave spots for Research Immersion (you register after PLAN)



# Approach to IP Planning



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## ELECTIVE COUNSELING: VUSM Template Scheduler for Class of 2023-25

JUL	AUG	I	SEPT	OCT	NOV	DEC	JAN	FEB	II	MA
FIXED FLEX: Step 1 or 2	FIXED FLEX: Step 1 or 2		ISC: Obesity	Research Imm	Research Imm	Research Imm	ACE: Diagnostic Radiology	ACE:		ISC: Cr Illne
			PLAN				FHD: Q11	FHD: Q12		FHD:
				LC3 LC4	LC5 LC6	LC7 LC8				
JUL	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	IV	MA	
AE: Global Health Telehealth	ACE: Diagnostic	ISC:	ACE:	FLEX: Interviews	FLEX FIXED INTERVIEW MONTH	FLEX: Interviews	ACE: Primary Care		ACE: F	
FHD: IPE										
		LC1 LC2								

### Immersion Requirements:\*

- Integrated Science Courses
- Acting Internship
- Adv. Clinical Experiences

### On Schedule:

4
1
4

### Specifics:

PLAN
FHD: IPE
FHD: Q11

### Instructions:

Fill in your schedule as desired. Be sure to prep colon. For instance, if you add the Palliative Care colon will make the auto-color coding fail. **Note**

<https://medschool.vanderbilt.edu/md-gateway/elective-counseling-docs/>



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# Approach to IP Planning

- Ideally, plan for 3 ISCs in Year 3 with a minimum of 2
  - Please do not enroll for more than 3 during initial registration
- Acting Internships (AI) will be taken between March of Y3 and September of Y4 by most students
  - Students will work with IP team to register
  - In approx. November, we will send out a separate survey for AI preferences
  - Don't hold a space in your schedule for your AI



# Approach to IP Planning

- QI must be completed by November of Y4
  - You must start QI by June of Y3
- RI must be completed by February of Y4
  - Last month to self-enroll is January of Y4 (will need RI team to enroll in February)





# Who should I talk with?

- Drs. Dahlman and Parekh: Make an appointment
- Coaches (at meetings March 13-29)
- College mentors: provide general advice
- Dean Fleming
- Specialty advisors (<https://medschool.vanderbilt.edu/md-gateway/wp-content/uploads/sites/75/2022/09/Faculty-Advisor-List-2022-2023.pdf>)



# VMS2 Registration Timeline

You are here



Meet with your Coach (3/13-3/29)

Feb March April May June July Aug Sept

2/13 3/8 3/23 3/27 4/3 4/10 4/19 8/21-25



Elective Counseling:  
Planning Your Imm  
Phase Reg & ISC Fair  
at 5p



Rising VMS3  
Elective Counseling:  
Imm Phase Intro

How to  
Register  
March 23  
at 5 pm

Registration opens  
for rising VMS3  
April 10 at 6 pm

Registration reopens  
for ALL  
April 19 at midnight

Registration opens  
for rising VMS4  
April 3 at 6 pm

Registration opens for  
rising VMS4 MSTPs  
March 27 at 6 pm

Immersion Phase  
Orientation and  
FHD AC1 & PHP for  
VMS3

Immersion  
Phase 2023-24  
begins



Opportunities for course/elective counseling



School of Medicine

# Certificate Programs

The School of Medicine offers graduate certificate programs to its students who wish to gain focused expertise in a specific area.

- Each program has its own admission and completion requirements.
- Students **must submit an “Intent to Enroll” form** to document their intention to pursue a certificate, as well as other documentation as needed.
- Permission of the degree program director and the certificate program director are required to pursue a certificate.



# Certificate Programs

- Biomedical Ethics
- Global Health
- Health Equity
- Lesbian, Gay, Bisexual, and Transgender (LGBT) Health
- Neurodevelopmental Disabilities

<https://medschool.vanderbilt.edu/certificate-programs/>



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# Careers in Medicine

<https://medschool.vanderbilt.edu/md-gateway/pathway-to-match/>

*Your guide to succeeding in the residency application process with info such as*



Amber Wesoloski

Calendar to Match

Checklist for Match

Fourth-Year Scheduling

Away Rotations

Faculty Advisor Lists

Writing Your Curriculum Vitae

Workshops

Application Process

Letters of Recommendation



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# Integrated Science Course Presentations

(please hold all questions until the end)



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# Cardiovascular Disease

David Meoli, MD, PhD and Lisa Mendes, MD

**Science:** Lecture, Anatomy Lab, CELA (code and echo simulators), ECG workshops, CBL

- CV gross anatomy and imaging
- Cardio-oncology
- CV hemodynamics
- Acute and chronic CHF treatment
- Vascular emergencies
- Pharmacology of CV drugs
- Echo: U/S physics
- Vascular biology of stress testing
- ECG interpretation
- Pulmonary vascular disease
- Coronary/valvular surgery
- Mental health and CV disease

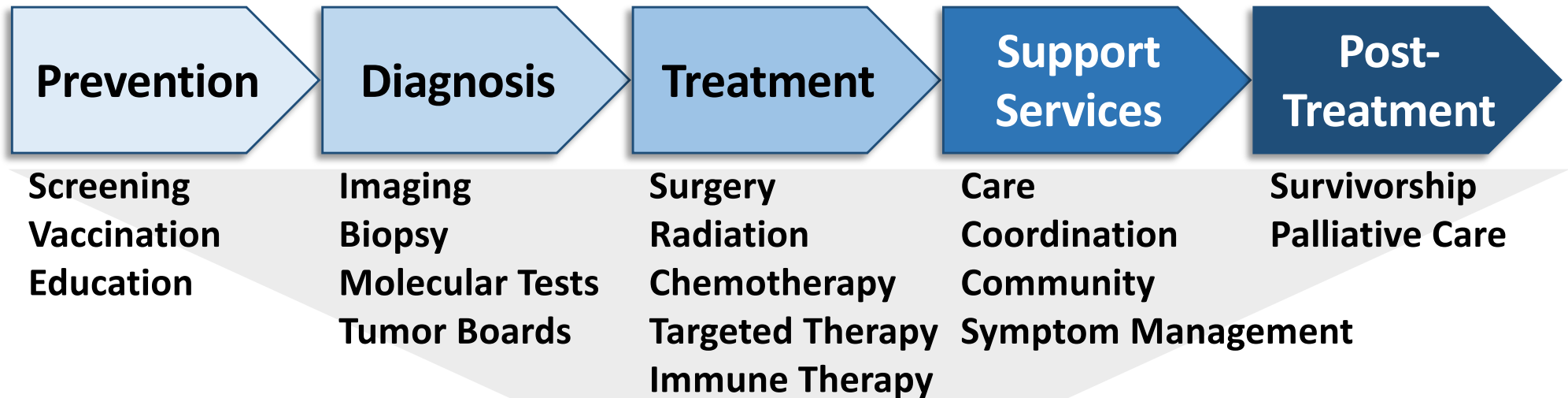
**Clinical Settings:** Three one-week experiences

- CT Surgery
- Vascular Surgery
- Card Anesthesia
- HF/transplant
- General Cardiology/Imaging
- Interventional Cardiology
- Electrophysiology



# Clinical Cancer Medicine

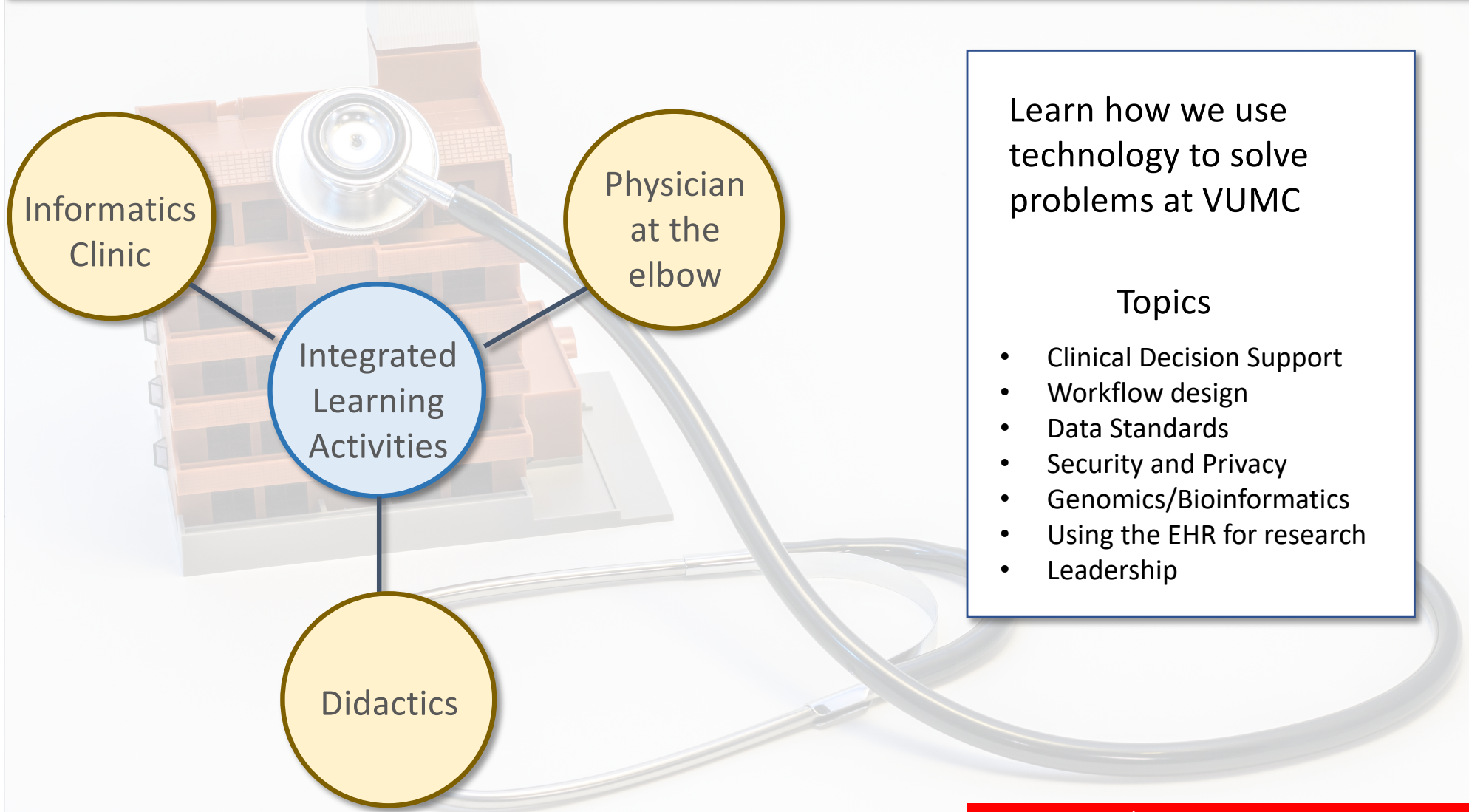
Kim Dahlman, PhD and Vicki Keedy, MD, MSCI



# Clinical Informatics

Dara Mize, MD, MS and Travis Osterman, DO, MS

The healthcare system is your patient



Learn how we use technology to solve problems at VUMC

## Topics

- Clinical Decision Support
- Workflow design
- Data Standards
- Security and Privacy
- Genomics/Bioinformatics
- Using the EHR for research
- Leadership

No coding/programming experience required

# Critical Illness

Jennifer King, MD, PharmD, Meredith Pugh, MD, Jeremy Walco, MD



Critical Care Skills Week

Simulation, team management, CVCs



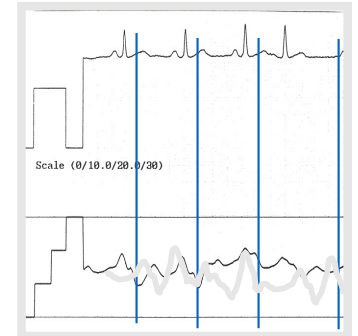
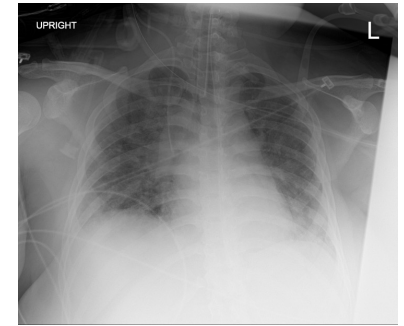
ICU team experience

Burn, CV, MICU, Neuro, Peds, SICU



Case-based learning, Radiology, Palliative care

Workshops in ultrasound, echo, surg. airway



# Diabetes

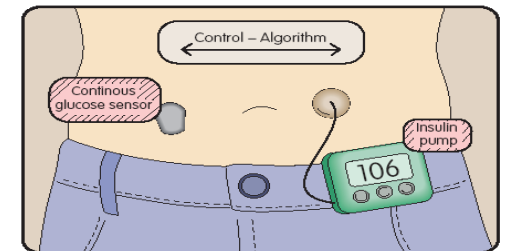
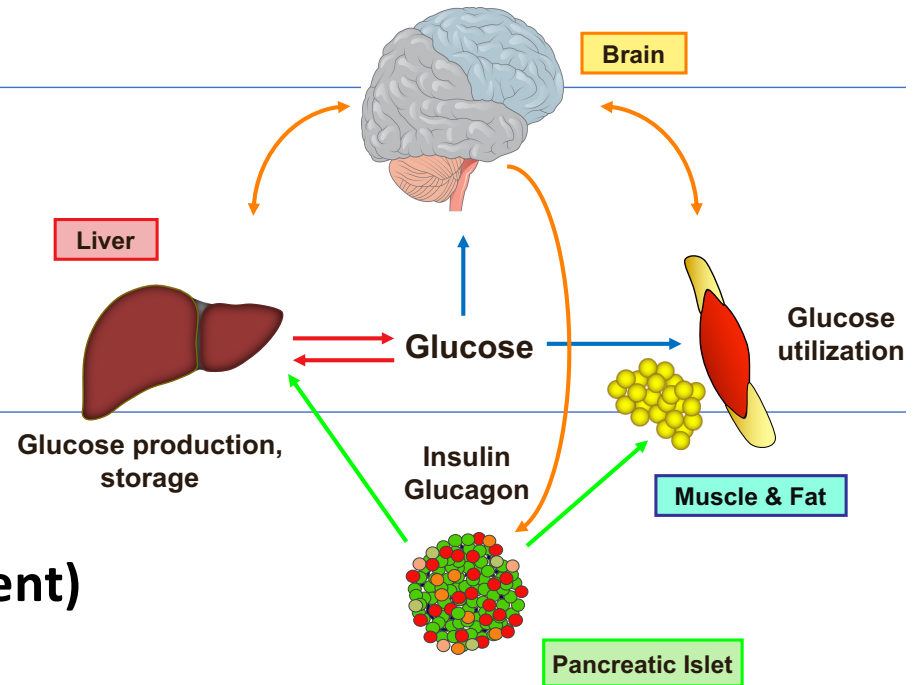
Alvin Powers, MD and Tiffanie Marksbury, NP

## Science

- Foundational Science
- Quality Improvement
- Longitudinal Scientific Project

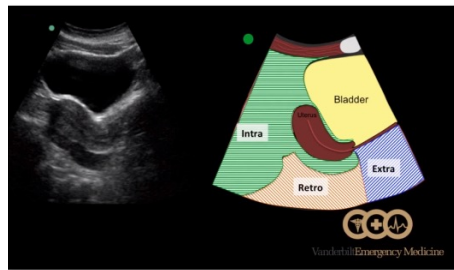
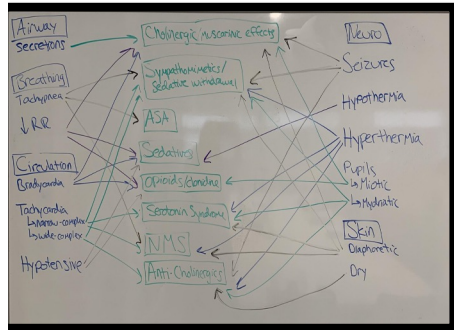
## Clinical Settings

- Diabetes Boot Camp
- Glucose Management Service (in-patient)
- Outpatient Clinic
- Patient education
- Minimum observational learning, maximal "doing"
- Multi-disciplinary



# Emergency Care

Kendra Parekh, MD, and Saralyn Williams, MD



## Systems of Care/Operations



Toxicology



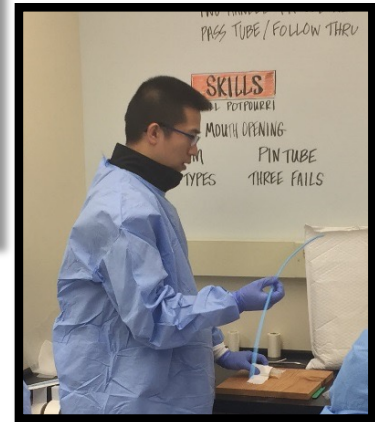
Anatomy



Ultrasound



Teamwork





# Global Health

Marie Martin, PhD, MEd; Eiman Jahangir, MD, MPH; Elizabeth Rose, EdD, MPH


Focus on health systems and health disparities while rotating in various specialties abroad



Clinical practice in rural & urban sites



Opportunities in diverse specialties



Online modules in foundational sciences



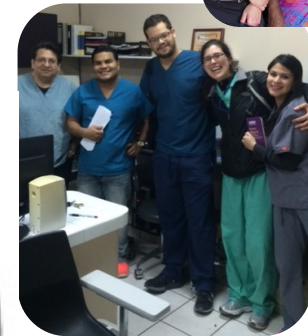
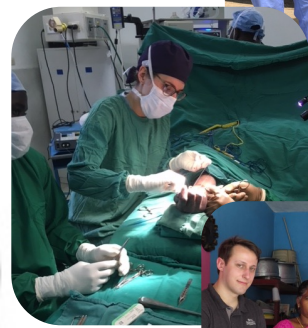
Multiple international sites



Mentoring on-site and from Vandy faculty



Eligible for Global Health Certificate



# Healthy Aging & Quality Dying

Kimberly Beiting, MD & Anne Gifford, MD, MPH

## Science

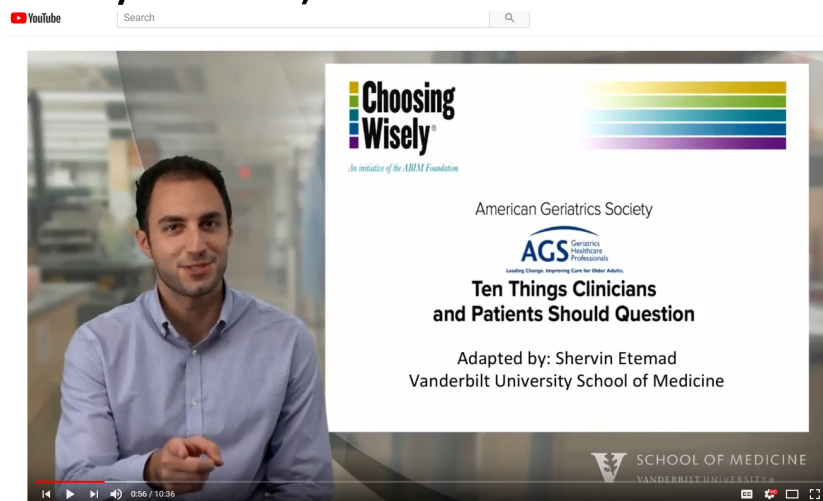
Physiology, biochemistry, immunology, pharmacology, neuroscience, psychology, epidemiology, preventive health, public health, social sciences, philosophy, ethics, science of healthcare systems

## Clinical Settings

Skills week

1-week inpatient (geriatrics wards/consults, geri-psych, nursing home, PCU)

1-week outpatient (primary care, specialty clinics)



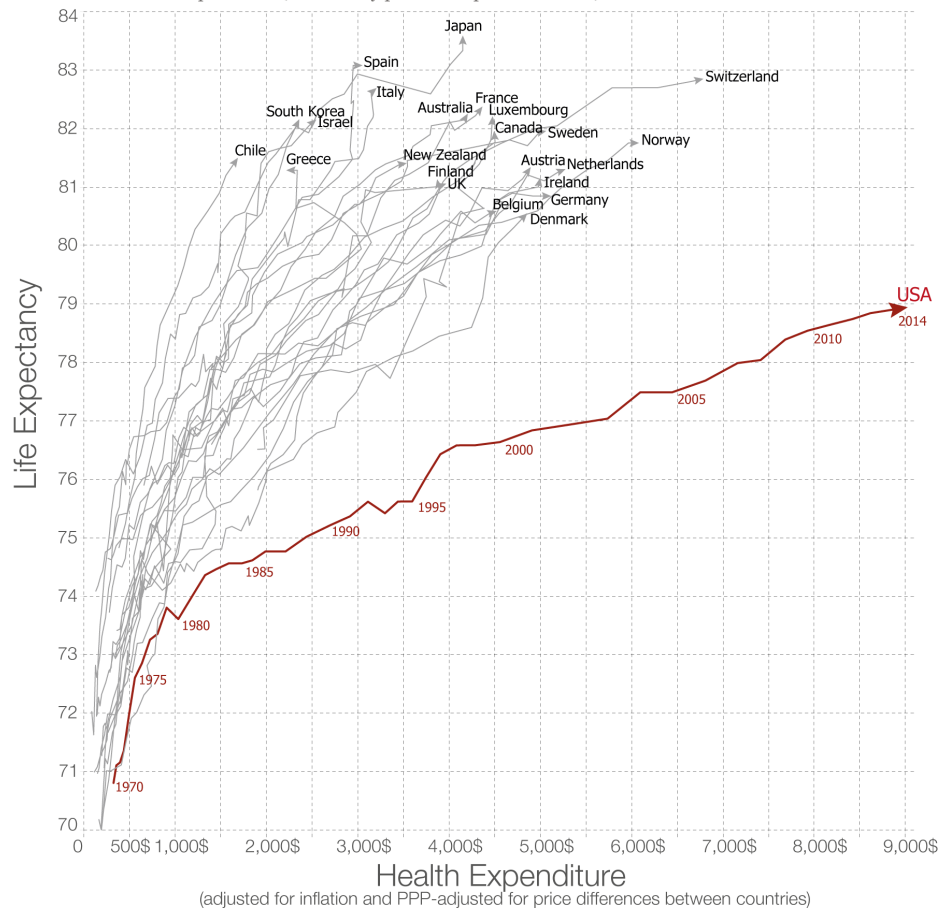


# High Value Care

Krista Suojanen, MD, Miklos Kertai, MD, PhD, and Jim Powers, MD

## Life expectancy vs. health expenditure over time (1970-2014)

Health spending measures the consumption of health care goods and services, including personal health care (curative care, rehabilitative care, long-term care, ancillary services and medical goods) and collective services (prevention and public health services as well as health administration), but excluding spending on investments. Shown is total health expenditure (financed by public and private sources).



Data source: Health expenditure from the OECD; Life expectancy from the World Bank. Licensed under CC-BY-SA by the author Max Roser. The interactive data visualization is available at [OurWorldinData.org](https://ourworldindata.org). There you find the raw data and more visualizations on this topic.

- Foundational Science: health systems science, ethics, implementation science, population health
- Didactics: lectures and discussion from variety of specialties and health policy faculty
- Case-based Learning: team-based work on real-world examples of implementing high value care
- Clinical setting: individualized clinic experience based on students' desires, VFF, utilization management, HiRISE clinic, patient centered medical home

# How Doctors Think: Clinical Reasoning & Decision Making

Cody Chastain, MD, Travis Crook, MD  
Kendra Parekh, MD, & Chase Webber, DO

## Science

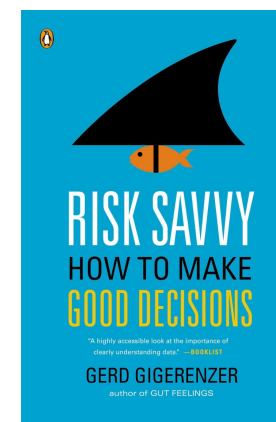
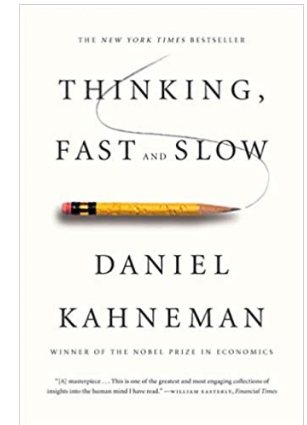
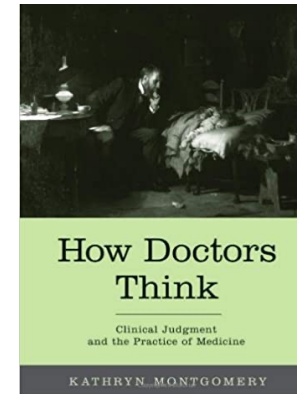
- Clinical reasoning & medical epistemology
- Foundational sciences include *behavioral psychology, biostatistics, epidemiology, epistemology, ethics, pathophysiology, & pharmacology*

## Clinical Settings

- **Internal Medicine, Pediatrics, & Emergency Medicine**
- 2-3 shifts for Weeks 1-3

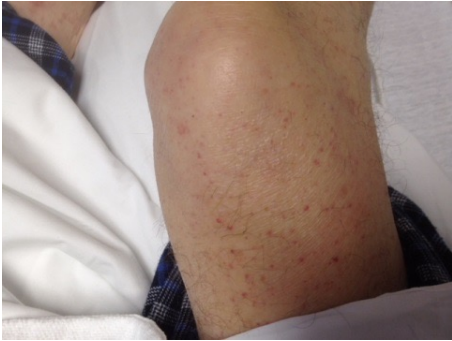
## Learning Modalities

- Meaningful clinical engagement
- Online asynchronous didactics & independent reading
- Clinical reasoning reports
- Critical analysis of evidence & practice of medicine
- Simulation and more!



# Infectious Diseases

Holly Algood, PhD, Christina Fiske, MD MPH  
Cody Chastain MD, Isaac Thomsen, MD MPH



## Science

Microbiology, molecular biology, immunology, pathophysiology, pathology, antimicrobial stewardship, infection prevention, pharmacology

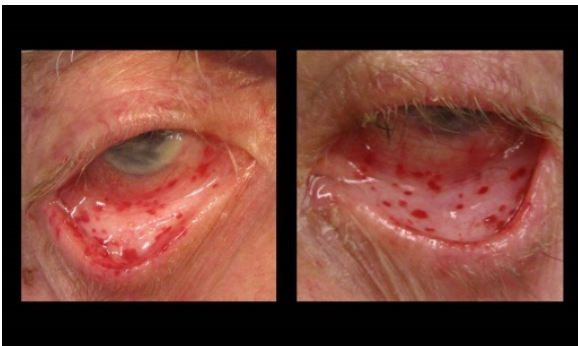
## Clinical Settings

Inpatient consult service (Pediatric or Adult), Outpatient clinics (Pediatric, General Adult, HIV), Microbiology lab, Tennessee Department of Health



## Other Learning Modalities

Case based learning, Journal Clubs, Didactic lectures



# Injury, Repair & Rehabilitation (IRR)

Shannon Eastham, MD

## Science

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Anatomy, Cell and Developmental Biology, Epidemiology, Ethics, Immunology, Implementation Science, Neuroscience, Nutrition sciences, Pathology, Pathophysiology, Pharmacology, Radiology, Social Sciences, Speech Sciences, and System Sciences

## Clinical Settings

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**Trauma (ICU/Admits):** 2 Nights and 2 Days

**Wound Team:** 0.5 Day

**Medical Examiner's (Coroner's) Office:** 2 Days

**Stallworth Rehabilitation Hospital:** 0.5 Day

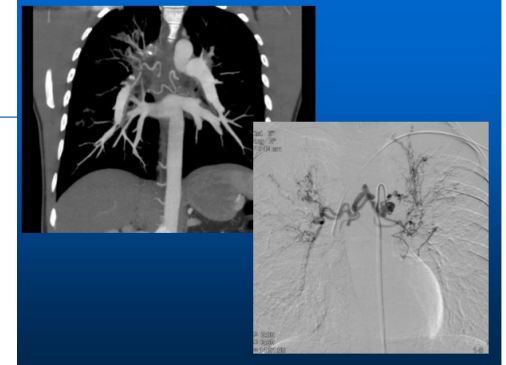


# Medical Imaging & Anatomy

Will Laxton, MD and Scott Pearson, MD

## Science

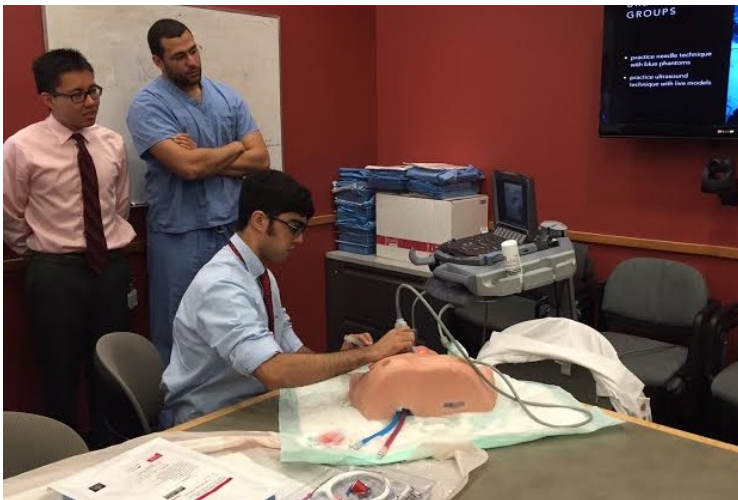
Advanced Clinical Anatomy labs\*, radiation basics, contrast use, appropriate ordering



## Clinical Settings

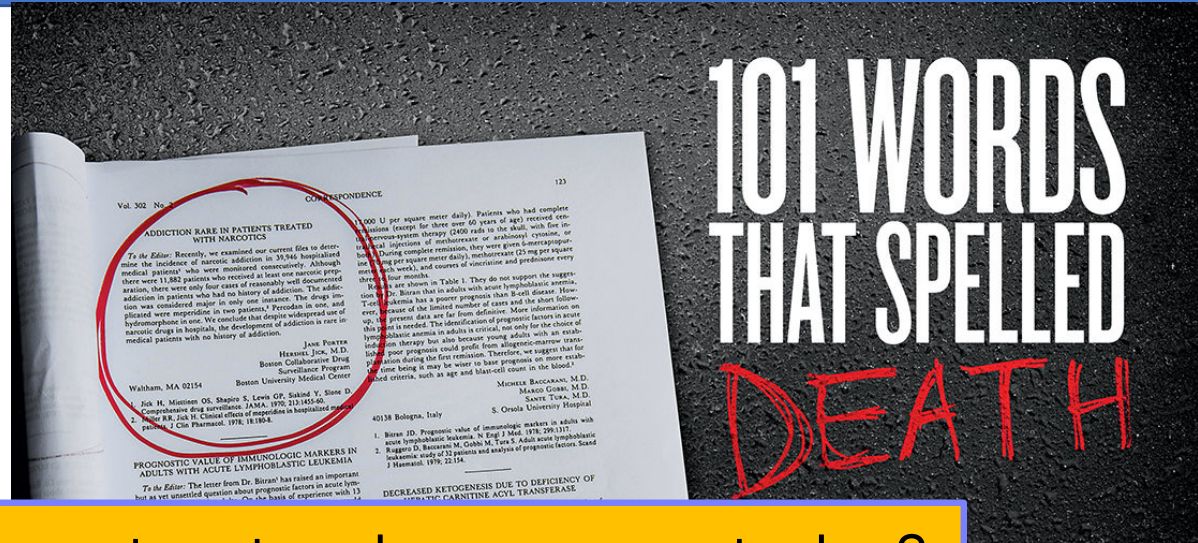
See MRI in action & procedures in fluoroscopy;  
Hands-on Ultrasound in CELA: SP & image-guided CVC placement;  
Practice being a Radiology resident; Radiology reading room experience

## Individualized based on your interest



# The National Opioid Crisis: Pain, Policy, and Addiction

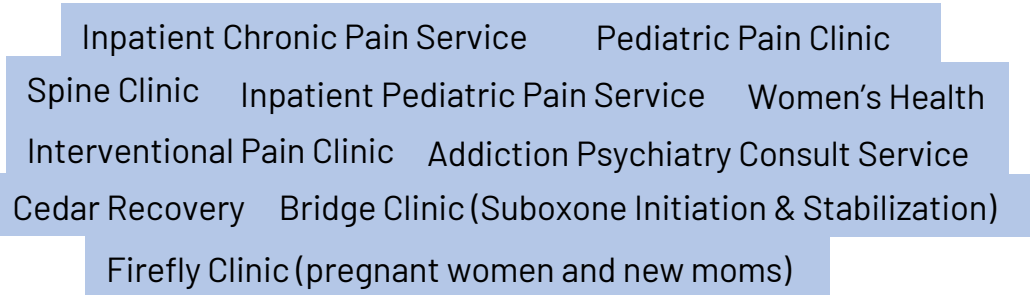
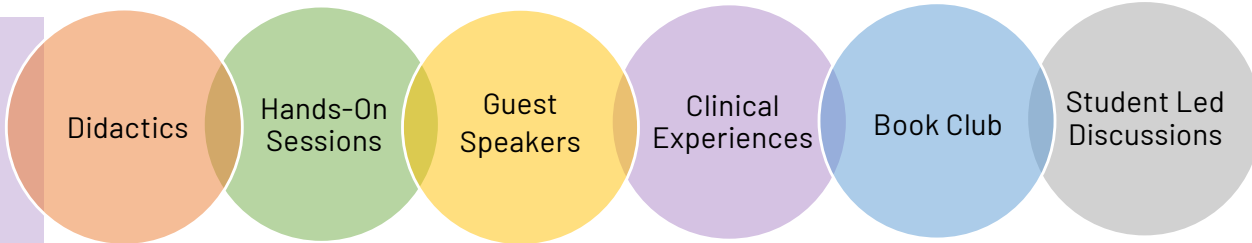
Rebecca Donald, MD and Mariah Smith, MD



How did these two things get us to where we are today?

**Science:**

- Neurobiology
- Physiology
- Pharmacology
- Psychology
- Epidemiology
- Public Health
- Preventative Health
- Science of Health Care Systems
- Complementary and alternative medicine
- Ethics
- Social determinants of health



Politics, Humanism, and How to Move Forward

# Sexual Health and Medicine

Melissa Kaufman, MD and Mary Romano, MD

## Science

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Embryology and development, Anatomy/Physiology (with pelvic dissection), Neurophysiology, Sexual function and response, Intimacy and behavior, Treatment of sexual dysfunction, Contraception, Sexuality and Gender minority healthcare, Sexually transmitted infections.

Special emphasis is placed on interviewing techniques and skills for both adolescents and adults with a simulated patient encounter at CELA at the conclusion of the course.

## Clinical Settings

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Students will spend time in outpatient clinics including Adolescent Medicine, Urologic Surgery, Comprehensive Care Clinic and Adult Transgender Clinic.



# The Skinny on Obesity

Gisella Carranza Leon, MD and C. Robb Flynn, PhD

## Highlights of the course

- Obesity boot camp
- Food analysis project
- Journal clubs on obesity interventions

## Clinical Settings

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- Medical Weight Loss Clinic
- Surgical Weight Loss
- Vanderbilt Lipid Clinic
- Diabetes Eskind Clinic

## Science

- Adipose tissue physiology
- Gut regulation of metabolism
- Nutrition
- Pathophysiology, pharmacology, diagnosis and treatment of obesity and its complications.

- Physicians
- Nurse practitioners
- Dietitians
- Exercise physiologists

# Community Healthcare

M. Cooper Lloyd, MD and Tiffany Israel, MSSW

## Goals:

- Investigate the SDOH in the lives of individual patients, the Nashville community, and populations at large
- Hear from community resources and advocates in Nashville
- Develop skills working with and advocating for underserved populations

Clinical settings: outpatient clinics working with underserved communities. Some ex:

- Matthew Walker
- St. Thomas Family Clinic
- Maternal Addiction Program
- Comprehensive Care Clinic
- Faith Family Medical Center

## Science:

- Social determinants of health
- Population health
- Community engagement
- Public health
- Health policy
- Stress biology



# ISC Offerings in 2023-24

		Academic Year 2023-24											
Course	Max Capacity	7	8	9	10	11	12	1	2	3	4	5	6
Cancer	10			■					■				
Cardiovascular Diseases	10				■				■				
Clinical Informatics	8			■					■				
Community Healthcare	8			■					■			■	
Critical Illness	24			■					■		■		
Diabetes	4			■	■	■			■	■	■	■	
Emergency Care	6 or 8				■			■	■	■			
Global Health	n/a	<i>any month with approval of international travel</i>											
Healthy Aging and Quality Dying	8				■				■				
High Value Care	8				■				■				
How Doctors Think	8			■				■		■			
Infectious Diseases	8				■				■	■			
Injury, Repair, & Rehabilitation	8			■					■		■		
Medical Imaging and Anatomy	9			■		■		■		■			
Obesity	4			■	■	■		■	■	■			
Opioid	8			■		■					■		
Sexual Medicine & Reproduction	8			■				■			■		

Go to Breakout Rooms