Multiple Vertical Curricula: 10 Years of Experience Orchestrating Individual Curricula and Developing Central Organization

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Disclosures

None
(though I am the director of the Vertical End of Life Curriculum)

“Vertical” Curriculum

Subject integrated (embedded) into multiple courses throughout different years

Ideally brings
• Relevance
• Re-emphasis for deep learning
• Communication and collaboration


Stritch Vertical Curricula

DISASTER PREPAREDNESS
END of LIFE
NUTRITION
PREVENTION/SCREENING
RADIOLOGY

Vertical Curriculum Development

Curricular Need
Champion
Learning Objectives
Design
Implementation
Assessment

Reevaluation & Revision

DISASTER
PREPAREDNESS
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RADIOLOGY

Vertical Curricula in Your Schools?

Embedded within courses/clerkships vs discreet blocks of time?
Embedded Vertical Curricula Challenges

Visibility
Accountability
Student acquisition of core competencies
Evaluation of outcomes of curricular changes

Vertical Curricula Highlights, Successes, Challenges
Disaster Preparedness

**Goal:** Provide various background educational modules that will enable graduates to enter postgraduate work with a portfolio of accomplishments in disaster preparedness

- Online FEMA Course
- Lectures
- Disaster Simulation, Decontamination Drill
- ED Triage rotation

End of Life

“To Cure Sometimes, To Relieve Often, To Comfort Always This is our work”
Anonymous, 15th Century
End of Third-Year - “End of Life”
Clinical Skills Exercises Using Standardized Patients

- Pain Assessment
- Advance Directives
- Philosophy and Services of Hospice
- Delivering Bad News

End of Life

- Well-integrated
- Assessment of
  - Knowledge via
    - Course/Clerkship exams
    - TCM-3 exam
  - Skills
- Balancing initiatives/curricular time

Nutrition

“Take 2”

“Take 1”
Goals/Objectives “overly” comprehensive
Insufficient collaboration
On-line modules without integration
Self Assessment

Radiology - Evaluation:

MS1:
On line examination at the end of structure course. You will be evaluated on the 1-3 objectives. Passing grade 70% Pass/Fail.

MS2:
On line examination at the end of second year covering objectives 4, 5 and 6. Questions will cover Neuroscience, Abdomen, Heart and Lungs. Passing grade 70% Pass/Fail.

MS3:
Clerkship exams will contain questions evaluating the objective 7 and is part of the clerkship exam score. Participation in WEEKLY RADIOLOGY IMAGE CASES to evaluate your ability to apply objectives 8 and 9. 70% participation required.

On line examination at the end of third year under the Topics in Clinical Medicine covers objectives 1-9. Passing score 70%

Remediation:
Repeat any failed component.

Radiology

- Driver of curriculum mapping
- Model of Maintenance
- Innovation
  - faculty intensive
  - Re-evaluation

Topics in Clinical Medicine

- Pass/Fail
- Remediation
  - Determined by Vertical Curriculum Director
Vertical Curriculum Assessment

- Feedback within Individual Courses/Clerkships
- Centralizing via Curriculum Evaluation Process

LESSONS LEARNED & QUESTIONS

- To succeed
  - “Start small”
  - Further permeation
- Oversight
- “What is a vertical curriculum”
- “How many is too many?”
- Assessment of Vertical Curricula
- Sustainability
- Student Time Balance

Emerging Vertical Curricula

- Point of Care Ultrasound
- Quality and Safety

Further Discussion