Bridging the Gap between Undergraduate and Graduate Medical Education

Shane Speights D.O.
Associate Dean
New York Institute of Technology
College of Osteopathic Medicine at Arkansas State University
Overview

• Undergraduate Medical Education Years 1 & 2
• Undergraduate Medical Education Years 3 & 4
  – Clinical Preceptors
• Integrated Technology
  – Distance Learning
  – The use of Simulation
• Graduate Medical Education and Training
  Tomorrow’s Physician
Undergraduate Medical Education
Years 1 & 2

• NYIT-COM Pre-Clinical Years
  – Lecture-Discussion Based Track
    • Biomedical and clinical science integration
    • Systems Based approach
  – Doctor Patient Continuum Track
    • Problem Based curriculum
    • Small group, case based learning
Undergraduate Medical Education
Years 1 & 2

• NYIT-COM Pre-Clinical Years
  – Lecture-Discussion Based Track
    • Cellular and Molecular Basis of Medicine
      – Biochemistry, Genetics, Histology, Microbiology, Neuroscience, Pathology, Pharmacology and Physiology
    • Structural and Functional Basis of Medicine
      – Applied anatomy, Osteopathic Principles and Practice
Undergraduate Medical Education
Years 1 & 2

• NYIT-COM Pre-Clinical Years
  – Lecture-Discussion Based Track

• The Practice of Medicine
  – Patient centered health care delivery with an emphasis on primary care (pediatric, adult and geriatric populations).
  – Combines needed behavioral and social skills with the development of clinical skills.
Undergraduate Medical Education
Years 3 & 4

• Preparation
  – Advanced Cardiac Life Support (ACLS)
  – Introduction to Clinical Medicine
  – Core Clinical Competencies

• Clinical Clerkships
  – Core
    • Family Medicine, Internal Medicine, Obstetrics/Gynecology, Pediatrics, Psychiatry, Surgery, Emergency Medicine
Undergraduate Medical Education
Clinical Preceptors

- Clinical Preceptors
  - Educational Importance
  - Professional Growth

A rising tide lifts all boats
Be a rising tide not an anchor
Undergraduate Medical Education
Integrated Technology

- Technology in Medical Education
  - Distance learning
  - Simulation
  - Emerging technologies
Undergraduate Medical Education To Graduate Medical Education

• Current scrutiny of UME and physician education.
Undergraduate Medical Education To Graduate Medical Education

- Student perception of medical education.

<table>
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<tr>
<th>Year</th>
<th>Strongly Disagree</th>
<th>Disagree</th>
<th>Neutral</th>
<th>Agree</th>
<th>Strongly Agree</th>
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<td>15.6</td>
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The final year was important for enhancing my clinical education.

- F1 doctors’ responses to the statement: ‘I was adequately prepared for my first foundation post’.

<table>
<thead>
<tr>
<th>Number of F1 doctors</th>
<th>Strongly agree</th>
<th>Agree</th>
<th>Neither agree nor disagree</th>
<th>Disagree</th>
<th>Strongly disagree</th>
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<td>6,827</td>
<td>13%</td>
<td>57%</td>
<td>21%</td>
<td>7.8%</td>
<td>1.3%</td>
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Undergraduate Medical Education To Graduate Medical Education

• The *continuum* of medical education
  – The Physician of yesterday.
  – Coordinate education by removing the segmented nature of UME to GME.
  – Lay the foundation for *life long learning*. 

Teladoc+
Undergraduate Medical Education To Graduate Medical Education

• Training the Physician of Tomorrow
  – Will Require:
    • Early adoption of clinical skills in Undergraduate Medical Education (UME).
    • Early introduction of behavioral and psychosocial education in UME.
    • A continuum of education from UME to GME.
    • Ensure competency acquisition.
    • Integration of emerging technologies in all aspects of medical education.