

THINK BIG!

USMLE Changes Open the Door for New Models of Medical Education

Aaron Michelfelder, M.D.

Curriculum Committee Chair and Course Director

Patricia McNally, Ed.D.

Assistant Dean for Educational Affairs

Gregory Gruener, M.D., M.B.A.

Associate Dean for Educational Affairs

Michael Koller, M.D.

Curriculum Committee Member and Course Director

Loyola University Chicago Stritch School of Medicine



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Michael Koller, M.D.



Patricia McNally, Ed.D.



Gregory Gruener, M.D., M.B.A.



Aaron Michelfelder, M.D.

Objectives

- Understand the curricular ramifications of changing USMLE testing
- Articulate some innovative curricular models already in place, as well as some innovative ideas from other audience participants
- Bring home some practical ideas for curricular change



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Outline

- Session Introduction – *Michelfelder*
- Principles of Adult Learning as Applicable to Curricular Change – *McNally*
- Group Discussion – *McNally*
- Process for Change – *Gruener*
- Group Discussion – *Gruener*
- Wrap-up - *Michelfelder*



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Introduction

- USMLE Heading Towards Collapsing Steps 1 and 2 into a Single Test, 36 Months after Matriculation

Introduction

- Ramifications
 - Basic Science and Clinical Science Must Both be Remembered and Applied by Students
 - Schools will Need More Integration
 - No Need for “Pre-Clinical” and “Clinical” Years
 - Adult Learning
 - Opportunity for Innovations in Medical Education
 - Start Planning Now!



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Introduction

Duke University School of Medicine

Year 1 – Molecules and Cells, Normal Body, Body and
Disease, Practice

Year 2 – Clerkships

Year 3 - Scholarly Activity

Year 4 – Required and Elective Rotations

Before

After

Future Possibilities

- Lerner College at Cleveland Clinic

Future Possibilities

- Student Centered
- Innovative Delivery Methods –
Asynchronous Learning, Podcasting,
Simulation
- Competency Driven
- Interdisciplinary



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Future Possibilities

From: Hirsch, *et. al.*
“Continuity” as an organizing
principle for clinical education
reform. NEJM 256:8, Feb
2007



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Undergrad Reform

- Medical School Admissions
- MCAT



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X Prize

“We will only fund crazy ideas, because the crazy ideas of today, are the ideas that tomorrow people will call brilliant innovations.” *Dr. Peter H Diamandis – X-Prize Founder*



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Adult Learning and Curricular Change



Patricia McNally, Ed.D.



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7 Principles to Guide Teaching Practice

1. The learner should be an active contributor to the educational process



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7 Principles to Guide Teaching Practice

2. Learning should closely relate to understanding and solving real life problems



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7 Principles to Guide Teaching Practice

3. Learners' current knowledge and experience are critical in new learning situations and need to be taken into account



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7 Principles to Guide Teaching Practice

4. Learners' should be given the opportunity and support to use self direction in their learning



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7 Principles to Guide Teaching Practice

5. Learners' should be given opportunities and support for practice, accompanied by self assessment and constructive feedback from teachers and peers



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7 Principles to Guide Teaching Practice

6. Learners' should be given opportunities to reflect on their practice; this involves analysing and assessing their own performance and developing new perspectives and options



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7 Principles to Guide Teaching Practice

7. Use of role models by medical educators has a major impact on learners. As people often teach the way they were taught, medical educators should model these educational principles with their students. This will help the next generation of teachers and learners to become more effective and should lead to better care for patients

Putting Principles Into Practice

Worksheet



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Discussion

Time to Blow Up The Medical Curriculum!!



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Discussion

- Small Groups of 2-3 Participants
- Discuss Possibilities for New Model of Medical Education
- Use Worksheet to Take Notes
- In 10 Minutes, Share With the Large Group



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Process for Change



Gregory Gruener, M.D., M.B.A.



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Process for Change

- Create Urgency
- Consider Obstacles
- Streamline Work of Curriculum Committee
- Revise Curriculum Delivery Structure
- Deans Should Empower Faculty and Give Mandate for Change
- Faculty Define Core Values/Principles



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Process

- Create Urgency
 - USMLE Changing has Created Urgency
 - ? When will it be Implemented? 2010?
- Consider Obstacles
 - Basic Science and Clinical Faculty Collaboration
 - Faculty Time and Effort in Curricular Change



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Process

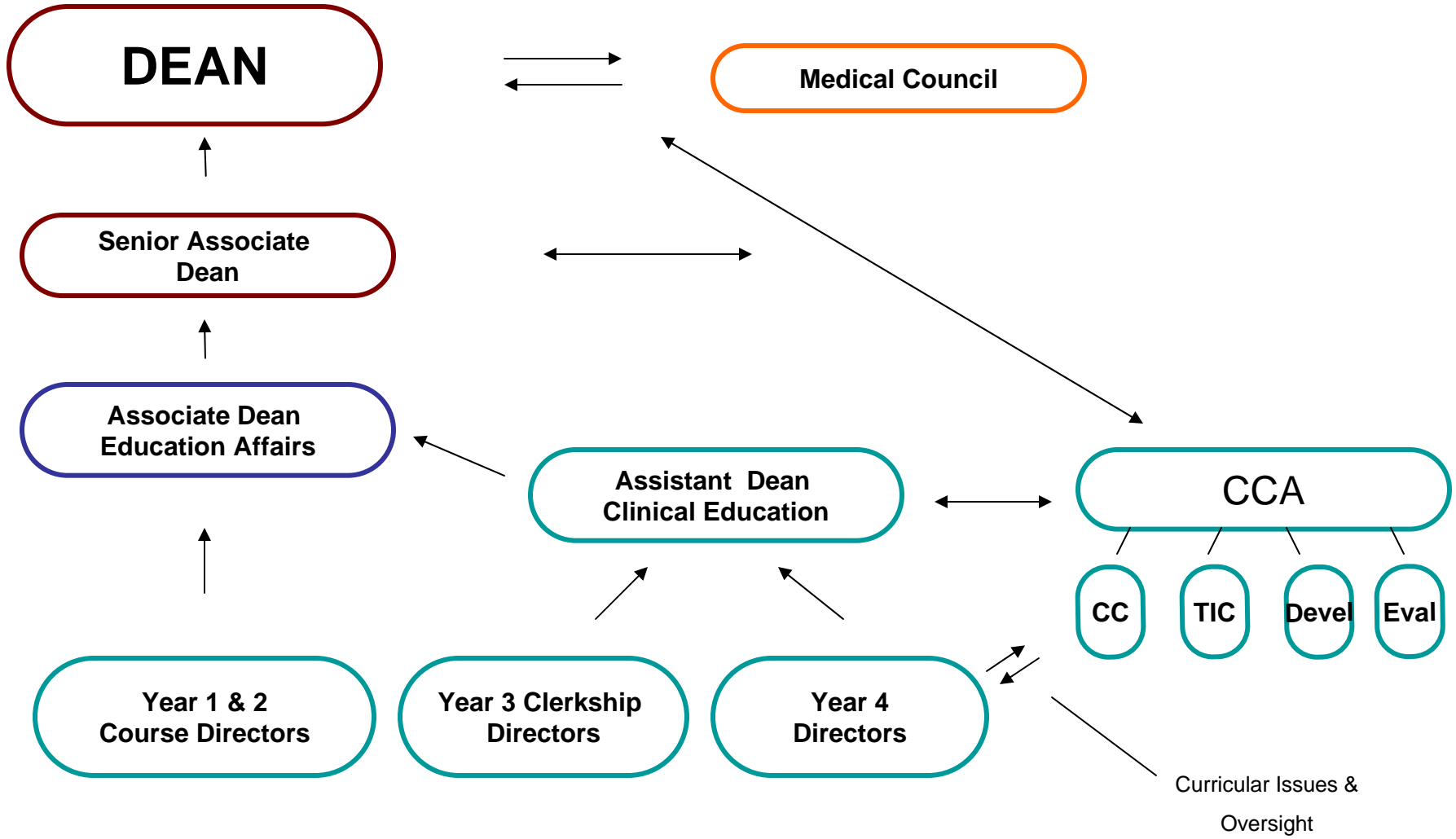
- Streamlined Work of the Curriculum Committee
 - Created Team-Based Approach – Small Groups Working on Projects
 - New Structure More Rapidly Responsive
- Revise Curriculum Delivery Structure
 - Created Curricular Year Directors



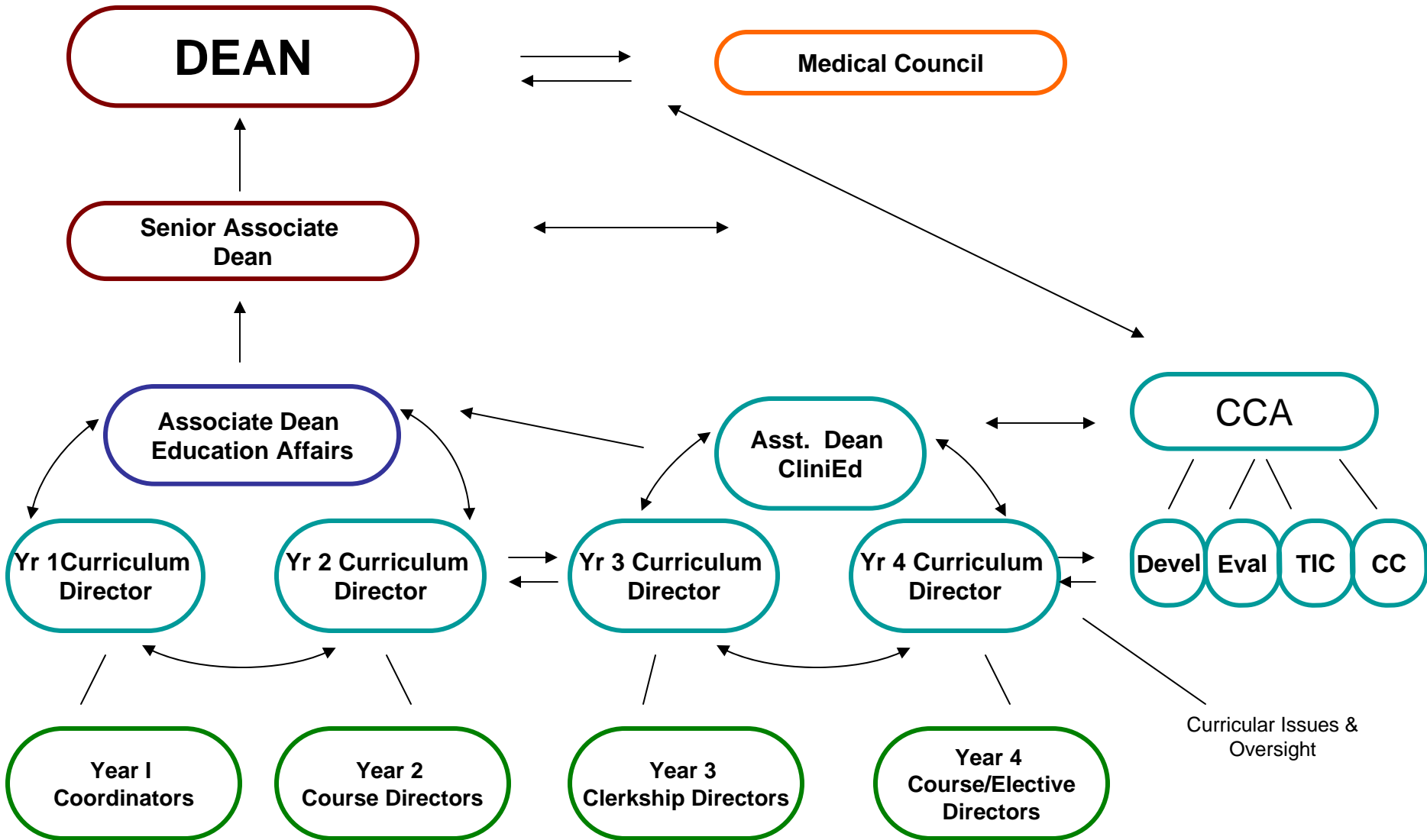
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OLD MODEL



NEW MODEL



Process

- Deans' Mandate and Empowerment
 - Strategic Plan
- Faculty Define Core Values/Principles



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Process

- **Structure:**
- 1) Implement the CCA proposal for the Curricular Year Directors
- 2) The CCA team on Curricular Reform will then take this document and work with the Curricular Year Directors, CCA subcommittees, Course and Clerkship directors, Deans, and Faculty to map out the new curriculum.



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Process

- **Strategies:**
- 1) Integrate the clinical and basic sciences across all four years
- 2) Collaborate with the 4 other Catholic medical schools
- 3) Build on our strengths
- 4) Decrease passive and increase active learning
- 5) Develop an electronic cohort of patients to unify all four years of the curriculum
- 6) Develop a small group of faculty dedicated to teaching in the courses
- 7) Integrate team learning with other health professionals
- 8) Integrate and enhance newer areas of curricular content
- 9) Coordinate integration of curriculum with nursing, graduate school, and graduate medical education
- 10) Further develop use of the curriculum database



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Process

- **Implementation:**
- 1) Create new opportunities for students to personalize their education
- 2) Reorganize clinical experiences around skills and competencies
- 3) Consider continuity of education, faculty, and clinical experience
- 4) Support educational scholarship for faculty and students
- **Evaluation:**
- 1) Integrate longitudinal evaluation of students
- 2) Incorporate continuous curricular revisions into the process



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Discussion

Time to Remove Your Obstacles!



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Discussion

- Small Groups of 2-3 Participants
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Wrap-Up



Aaron Michelfelder, M.D.



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Wrap-Up

- Name Some Key Points You Are Taking Home With You
- Give Us Your E-mail If You Would Like a Summary of Ideas From Today and to Continue the Discussion



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Thank You!!!



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