

**Teaching with Web-Based Cases**  
**The CU LIVE Project**

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**Overview**

- Overview of pertinent pedagogy
- Demonstration of the CU LIVE system
- Disadvantages and advantages of the system

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**Teaching with Cases**

- Problem-based learning uses a meaningful problem that requires authentic action on the part of the learner in the process of understanding and resolving the problem.
- The case provides a context in which to learn basic and clinical sciences and is a place to practice clinical problem solving.

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## Educational Purposes for Problem-based Learning

- To prompt elaboration of knowledge
- To organize knowledge for use in clinical contexts
- To develop clinical reasoning
- To develop clinical skills
- To acquire skills for self-directed learning
- To increase motivation for learning

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## Types of Cases

- Case vignettes
- Iterative case (PBL)
- Menu-driven simulation
- Full simulation



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## Anatomy of a PBL Case

- Provided with presenting situation
- Determine what you know about the patient
- Order lab tests, etc.
- Identify learning issues
- Research and report on learning issues
- Receive new patient information
- Discuss case, decide on treatment plan, etc.

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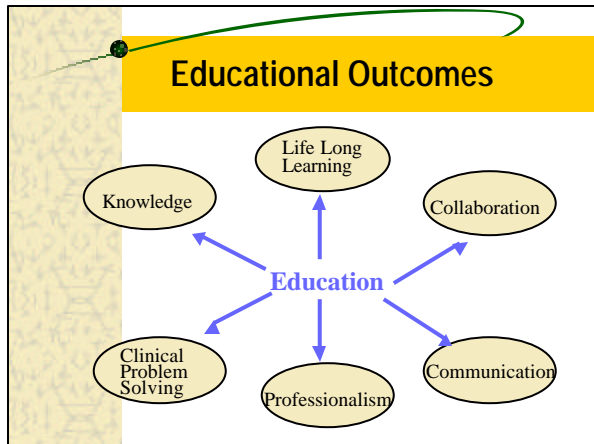
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- ## CU L.I.V.E.
- Computer-based PBL Cases
  - Developed by the University of Colorado
  - FIPSE grant – multi-institutional collaboration
  - CD-Web Hybrid Model
  - Complex Clinical Cases
  - Demonstration of a case

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- ## The Collaboration
- Carol Kamin, EdD @ University of Colorado is PI
  - Five other medical/osteopathic schools
  - Use existing cases
  - Develop new cases
  - Use of authorware

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## Disadvantages

- Time consuming for faculty
- Staff needed for setup
- May need to decrease other methods, e.g., lectures
- May not seem authentic to students
- Computer access could be problematic

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## Advantages

- Set curriculum
- Cases are standardized
- Cases authentic in nature - real patient cases
- Students can see cases not seen at a clinical site
- Faculty observe student performance and provide feedback
- Format options: face-to-face, virtual
- Inter-professional educational opportunities

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