

Contextualising medication management by the use of technology



TechEx
2015



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Medication Management is considered a cornerstone of safe nursing practice. Therefore it is imperative that nurses are able to demonstrate the ability to safely and accurately calculate, dispense, administer medications and critically reflect on medication management activities.

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What's it all about:

- innovative use of graphic design, technology based assessment materials and the contextualisation of unit content through interaction in conjunction with clinical reasoning, promotes learning and retention of medication management principles for undergraduate nursing students

The problem

- Poor ‘Evaluate’ reports for successive semesters
 - Need for more hands on
 - Need more pharmacology
- MyLO site disorganised
- Much of the content not relevant not (certainly to undergraduate students)
- Too many lecture slides and lectures
- Not considered interactive
- Case study difficult to follow
- Not enough time to practice

The Challenge

- More interactive, hands on and contextual
- Lectures!!!, different delivery style
- Use of up to date technology
- Redesign Mylo site (more contemporary and functional)
- Themes for each week (in context)
- Transferable resources (lets not waste them)
- Incorporate ‘Clinical reasoning’
- Incorporate ‘Proportional Reasoning’

The outcome

Assessment in context and remediation that is student driven

- Redesign of learning platform
- Focus on student led learning

The screenshot displays a learning platform interface. On the left is a vertical table of contents with the following items and page numbers: Table of Contents (58), Introduction - Start Here (7), Assessment Resources (8), Laboratory Manuals for each Campus (4), Week 1: Safety and Quality (1), Week 2: Questions of Pain (1), **Week 3: Oral administration and Enteral medications (1)**, Week 4: Parenteral Administration, Injections (1), Week 5: Parenteral Administration, Infusions (1), and Week 6: Introduction to Specialty Administration (1). The main content area on the right is titled "Week 3: Oral administration and Enteral Medications". It features a section for "Introduction" with a sub-heading "Introduction" and a paragraph: "A case study will be used to apply knowledge in relation to Unit content so far and Clinical Reasoning". Below this is a section for "Lectures" with a sub-heading "Lectures". A note states: "NOTE: Lecture recordings are available from the MyMedia link in the Introduction section of the content." Below the note is a text prompt: "Watch the interview with Dr Shandell Elmer on 'The importance of Health Literacy' in relation to medication management". At the bottom of this section is a video player titled "The Importance of Health Literacy" showing an interview between a woman and a man (Dr. Shandell Elmer).

The outcome

Assessment in context and remediation that is student driven

- Practice quiz: incorporating proportional reasoning
- Criteria for pass was 100% (all or nothing): get it wrong potentially someone dies



The outcome

Assessment in context and remediation that is student driven

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- Content delivery in a different way
- Clinical Reasoning in context



The outcome

Assessment in context and remediation that is student driven

- Keeping the students on track
- Weekly pre topic YouTube clip
- Video and written assessment prep



