"WHAT'S BIOCHEM GOT TO DO WITH IT?" STUDENT EVALUATION OF CONTEXT-BASED UNDERGRADUATE BIOCHEMISTRY for HEALTH SCIENCE (CUBHS) INSTRUCTION

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The ongoing debate on the relevance of biochemistry to the health sciences stems from a lack of emphasis on clinical contexts (Gwee, Samarasekera and Chay-Hoon, 2010). This has led to a foundational-clinical gap and negative perceptions of this foundational subject.

The *Context based Undergraduate Biochemistry for Health Science or CUBHS* learning resources were developed to address the aforementioned gap.

Forty undergraduate students of pharmacy, psychology and nursing participated in separate CUBHS workshops. For each workshop, students were introduced to a biomolecule through a clinical scenario, provided collaborative learning opportunities to link biochemistry and clinical knowledge and given time to apply biochemistry knowledge in patient care through role-plays. The resources were evaluated through surveys and interviews.

Survey data revealed that 90% of students *agreed* that CUBHS provided the link between biochemistry knowledge (BK) and a clinical scenario (CS). Moreover, 86% of the students *agreed* that CUHBS facilitated a deeper understanding of biomolecules and their clinical implications and 93% of the students *agreed* that CUHBS provided opportunities to integrate BK in a CS. Collaborative activities like diagram-making and the patient-to-health-professional role play were described as *"very enjoyable"* and *"very useful"* in understanding the link between BK and CS.

In conclusion, the aim to link foundational knowledge and clinical application through CUBHS was achieved.

REFERENCES

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