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Shaping tomorrow's dentists: a multi-institutional survey of undergraduate dental students' perceptions towards interprofessional education

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Abstract

Background: Interprofessional education (IPE) is essential to foster collaboration among healthcare professionals for holistic patient care. However, Malaysian dental education remains discipline-centric, hindering multidisciplinary learning approaches. Hence, this study aimed to explore Malaysian undergraduate dental students' perceptions of IPE. **Methods:** The present cross-sectional study employed convenience sampling to survey undergraduate dental students from four Malaysian institutions using a modified questionnaire with 20 close-ended and 2 open-ended questions. The questionnaire covered three domains (effectiveness, preference, importance) to assess students' perceptions using a five-point Likert scale. Psychometric validation was performed to assure validity and reliability of the modified questionnaire. Quantitative analysis (descriptive and inferential statistics), and qualitative analysis (content analysis) were subsequently performed. **Results:** 397 students responded, and positive perceptions were generally noted with mean scores ranging from 4.13 to 4.35 across all domains. Questions 2 and 3, assessing the improvement in understanding the roles and responsibilities, and communication among healthcare professionals, received the highest mean scores. Meanwhile, Question 15 concerning the incorporation of IPE into educational goals received the lowest mean score. Regression analysis identified gender and clinical phase as significant factors, with females and preclinical students exhibiting more favourable perceptions. Motivators for IPE included a keen interest in diverse perspectives and recognising the importance of teamwork, while barriers encompassed tightly packed schedules, lack of understanding about IPE, misconceptions regarding dental education, and students' nervousness and fear of participation. **Conclusion:** This study produced a valid and reliable instrument to measure undergraduate dental students' perceptions towards IPE. Strategic planning, such as overcoming logistical challenges, improving awareness, and creating a supportive learning environment are crucial for successful IPE integration into existing curricula, especially in resource-constrained developing countries like Malaysia. © The Author(s) 2024.

Author Keywords

Collaborative learning; Dentistry; Health profession; Interprofessional education; Undergraduate

Index Keywords

adult, clinical trial, cross-sectional study, dental education, dental student, female, health personnel attitude, human, interprofessional education, Malaysia, male, multicenter study, psychology, public relations, questionnaire; Adult, Attitude of Health Personnel, Cross-Sectional Studies, Education, Dental, Female, Humans, Interprofessional Education, Interprofessional Relations, Malaysia, Male, Students, Dental, Surveys and Questionnaires

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