A Core Curriculum for AI in Dentistry

Basic Elements for Integration in Dental Education

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Background

The swift integration of Artificial Intelligence (AI) into dentistry has encouraged the development of a comprehensive core curriculum to equip both undergraduate and postgraduate students.
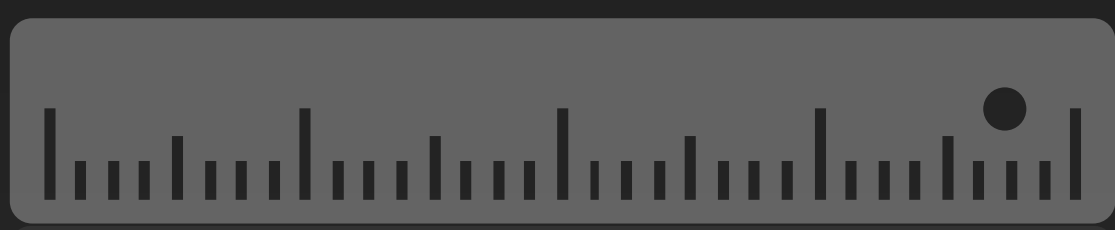
The current body of literature has identified **four** domains of learning outcomes defined in this curriculum[1] :

Basic definitions and terms

Use Cases

Evaluation Metrics

Representativeness and governance

Discussion

Given the nascent stage of AI application in dentistry, defining the exact needs of dental students is challenging. However, the current focus is on digital image analysis and patient management and communication workflows, suggesting that a deep understanding of AI's role in these systems will be essential[2].

Conclusion

A comprehensive AI curriculum in dental education can profoundly impact future clinical practice, fostering improved diagnostics, efficiency, precision dentistry, enhanced patient experience, and ethical use while promoting continuous learning to adapt to AI's rapid evolution.

References

1. Schwendicke F, Chaurasia A, et al. Artificial intelligence for oral and dental healthcare: Core education curriculum. J Dent. 2023 Jan;128:104363.
2. Thurzo, Andrej, et al. "Impact of artificial intelligence on dental education: a review and guide for curriculum update." Education Sciences 13.2 (2023): 150.

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