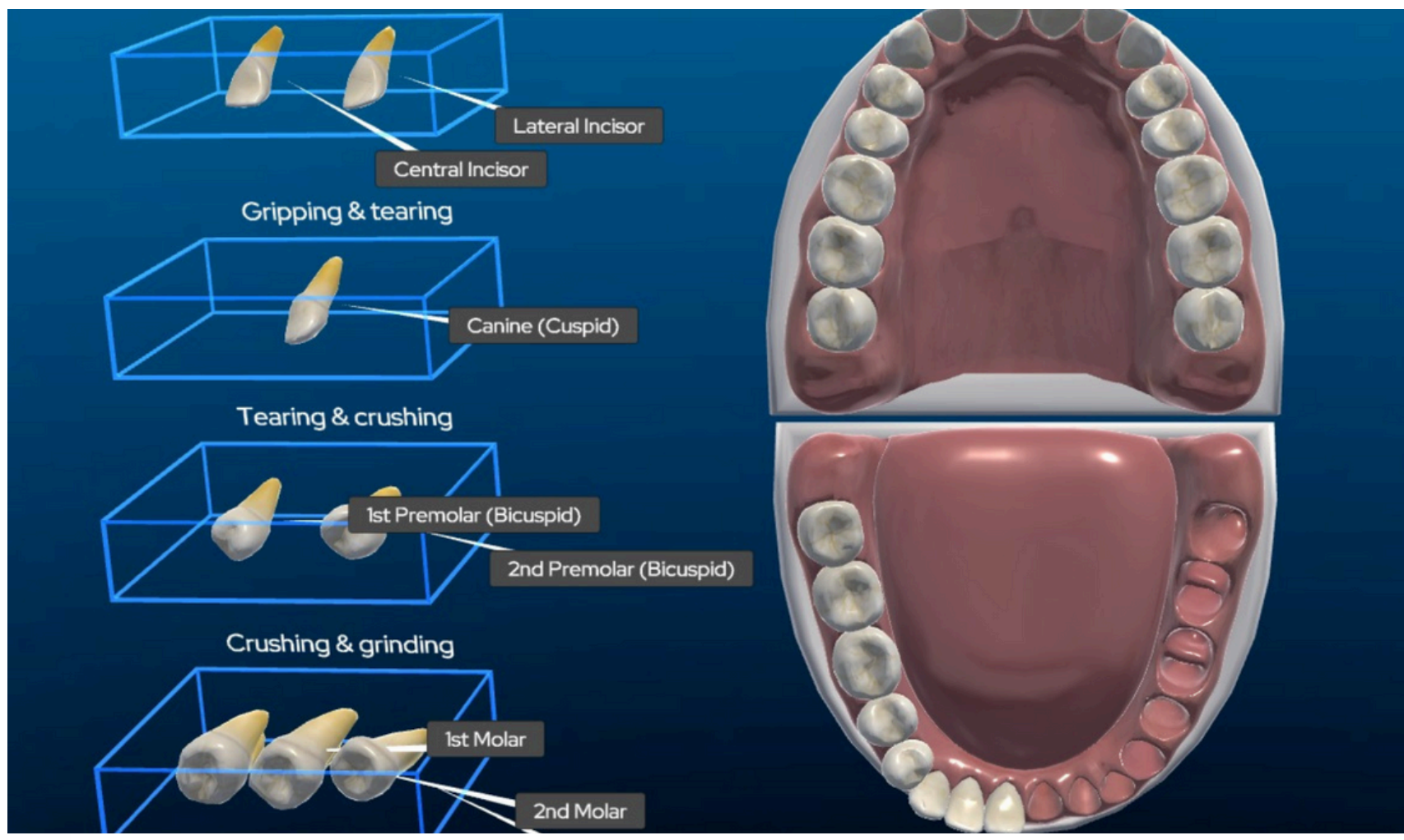
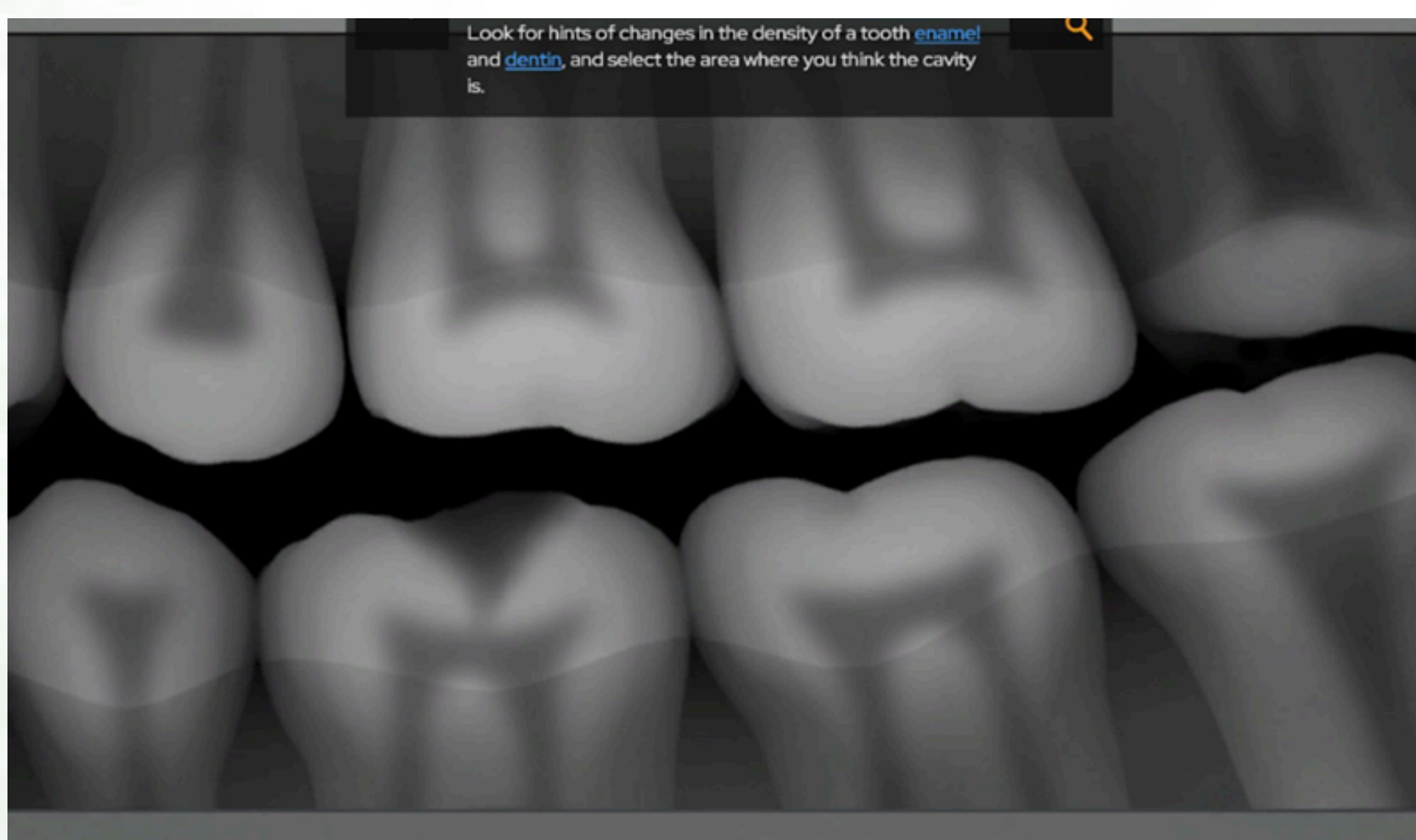


Dental VR Training

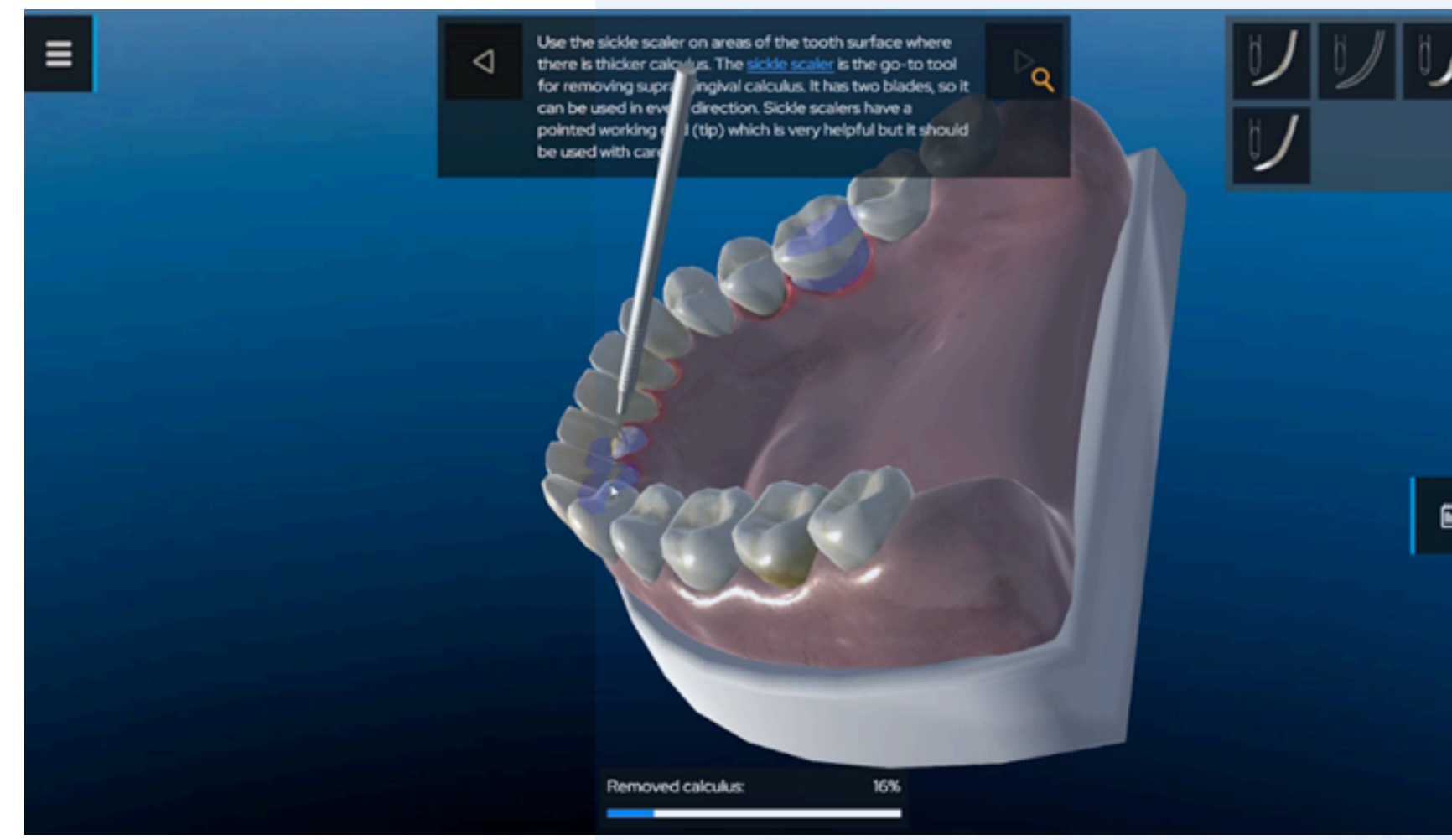
Dental is about to make its debut on the KMAX platform, offering a revolution through immersive education. Studies in the intricacies of dental anatomy, surgery, and oral health, including dental problems, diseases, and dentition simulations. It contains five main sections in the form of a VR system. Help students and dental staff learn risky practices in a safer and less costly way, while developing critical thinking and problem-solving skills. This advanced 3D software is designed to provide a learning experience to complement KMAX's state-of-the-art educational tools, providing an unparalleled dental experience for students.



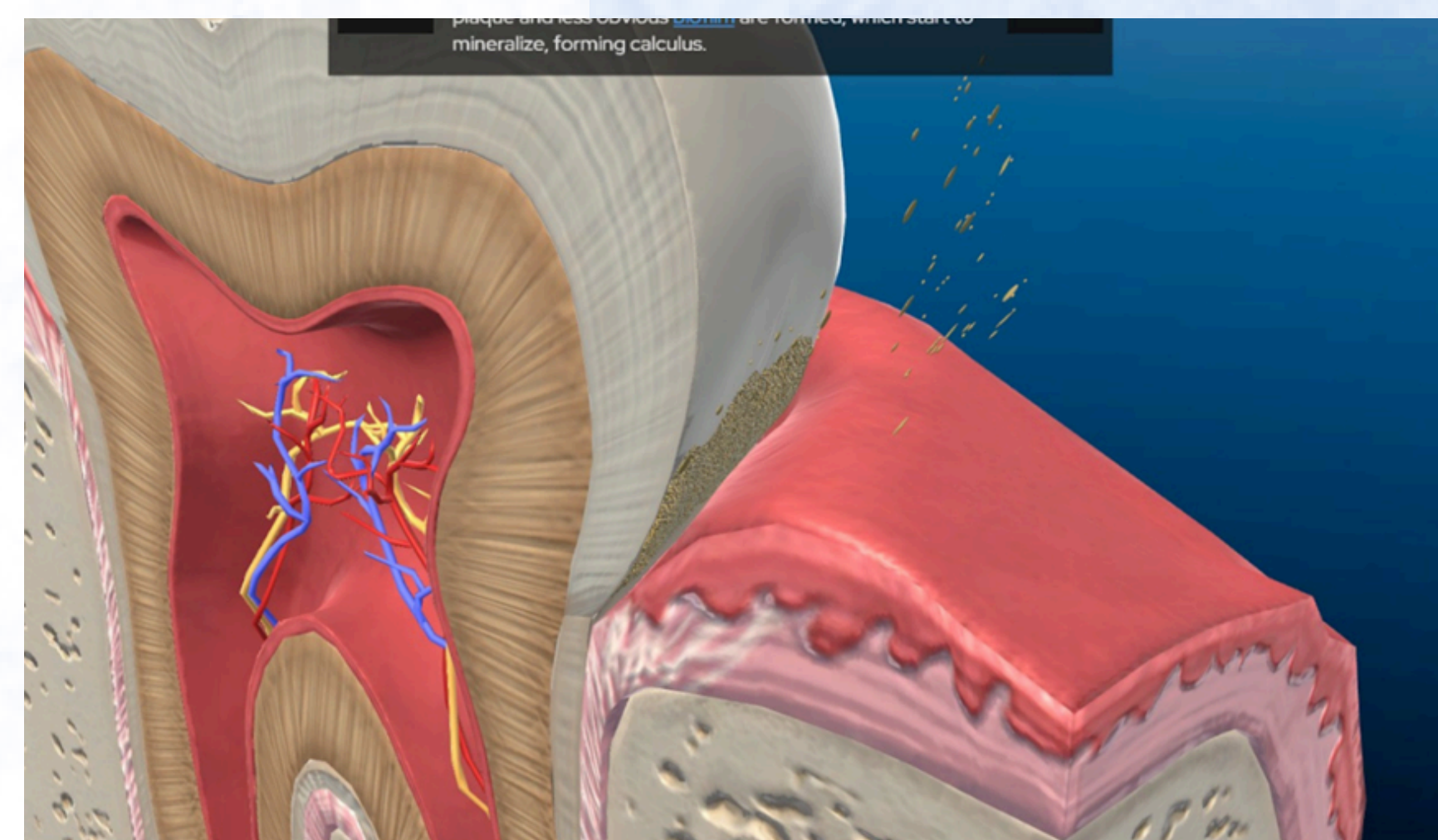
These terms describe the specialized roles of teeth in the chewing process: from cutting and tearing to crushing and grinding. This functional sequence is a fundamental lesson in dental anatomy, demonstrating how tooth form is precisely adapted for its task.



Using simulated **real-world CT images**, students will identify potential cavities by analyzing changes in enamel and dentin density. This exercise is designed to develop **practical diagnostic skills**.



This training software simulates professional tooth **cleaning procedures**, including the use of tools like the sickle scaler. It allows students to practice plaque removal tasks while enabling teachers to track their progress and technique.



Plaque forms as a biofilm from bacteria, food debris, and saliva. If not removed, it hardens into tartar, leading to tooth decay through acid production and gum disease via inflammation. Effective prevention requires daily mechanical **cleaning to disrupt this process**.

Highlights

- Comprehensive Modules: Covering everything from tooth anatomy and notations to **dental procedures** and **oral diseases**.
- Immersive 3D Learning: Engage with virtual models for a deeper understanding of **complex dental concepts**.
- Adaptive Learning: Personalised experiences that match the student's learning pace
- Enhanced Curriculum: Broaden your educational offerings with **specialised dental content**.
- Improved Student Preparedness: Real-world skills through **hands-on virtual practice**.
- Equipped with the leading Desktop, All-In-One Virtual Holographic Interactive Desktop, providing enhanced operational experience and advanced presentation effects.

Functionalities

Modules	Component
Dental anatomy	The main part of the tooth, the four main tissues, nerves and blood vessels, the area surrounding the tooth, root canals, apical foramina, gingival sulci, periodontal tissues, periodontal diseases
Permanent Teeth	Covers the fundamental anatomy of permanent teeth. It begins with their basic composition (mandibular/maxillary), classification by type (incisors, canines, premolars, molars) and function (e.g., cutting, grinding), and concludes with the systems for naming tooth surfaces and numbering each tooth within the quadrants of the mouth.
Motor controller	Mandibular deciduous teeth and maxillary deciduous teeth; Similarities and differences between permanent teeth and deciduous teeth; Eruption mode; Identification of specific types of teeth on dental panoramic X-rays (mixed dentition); Numbering system
Dental restoration	Dental restoration : Scaling (removal of dental calculus) Tooth filling (dental restoration)