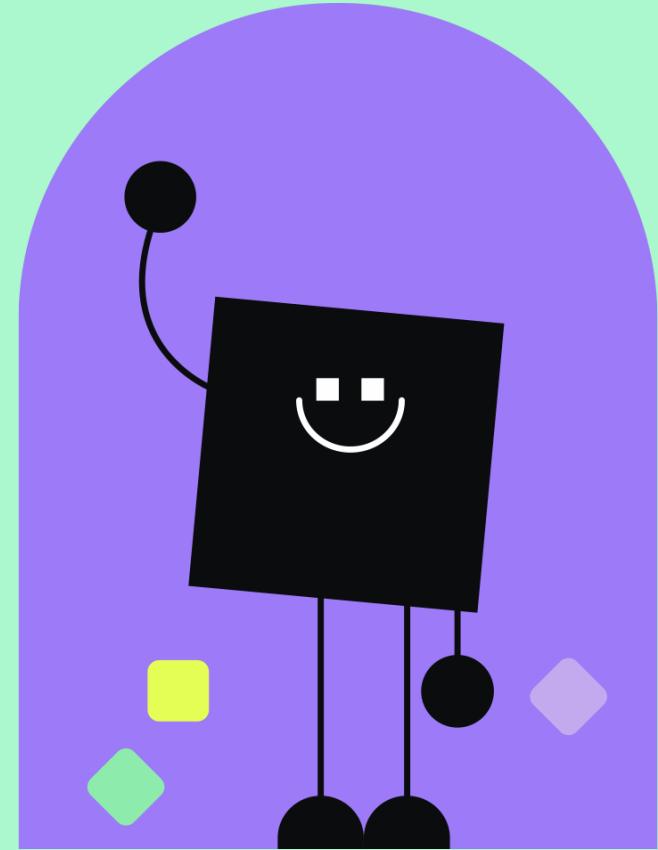


Bridging the Gap

How **AI** Connects Dental Clinics with Students

AI:Dental



Brief Intro

Peter Jurkáček

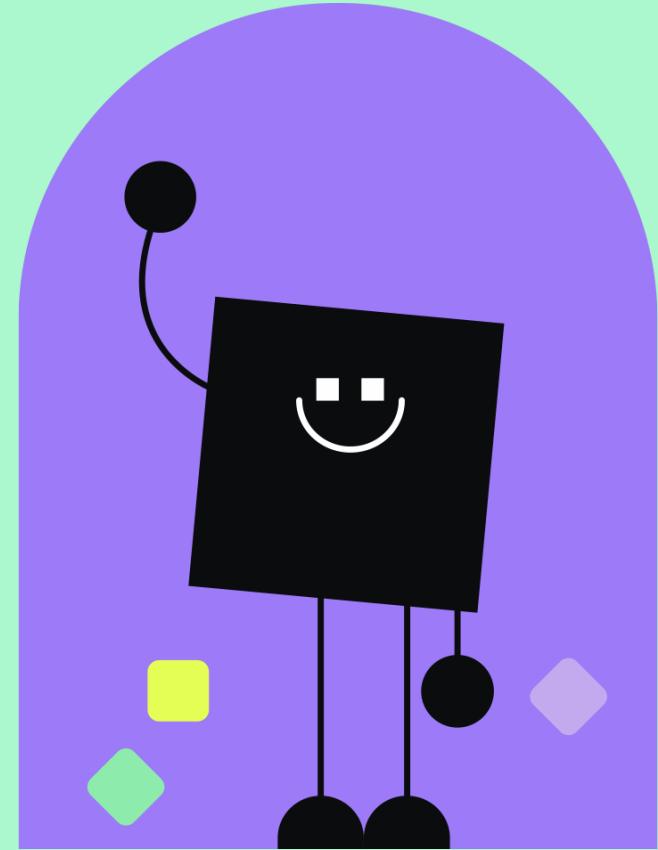
CTO at AI:Dental

peter.jurkacek@aidental.ai



Bridging the Gap

How AI Connects Dental Clinics with Students

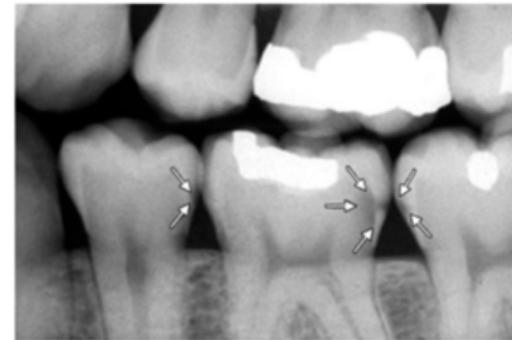


The Gap

Dental students' accuracy in X-Ray interpretation ranges from 48% - 65%.

X-Rays interpretation¹

6.arrowheads here indicate?

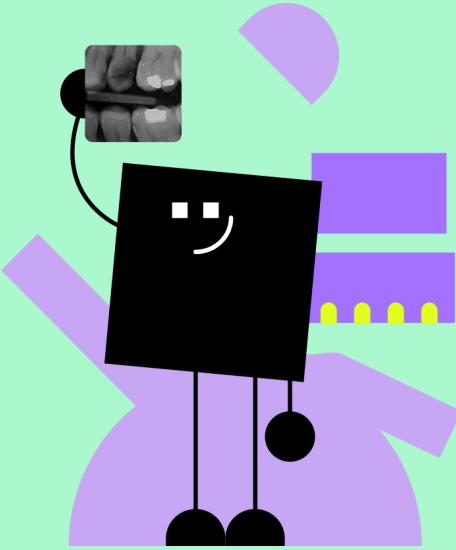


- cervical burnout
- incipient caries
- incorrect projection
- artifact

5.which disease condition of periapex does this radiograph reveal?

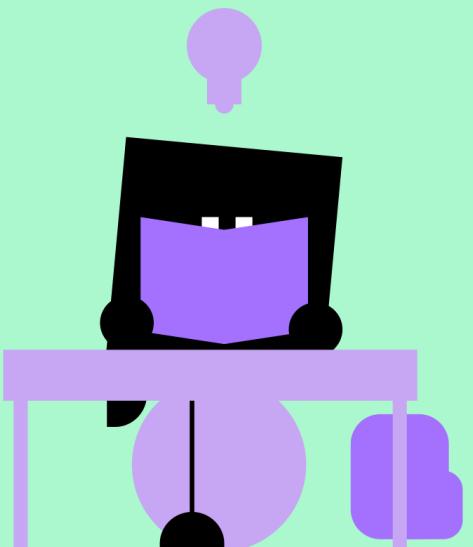


- apical periodontitis
- apical cyst
- dentoalveolar abscess
- periapical granuloma



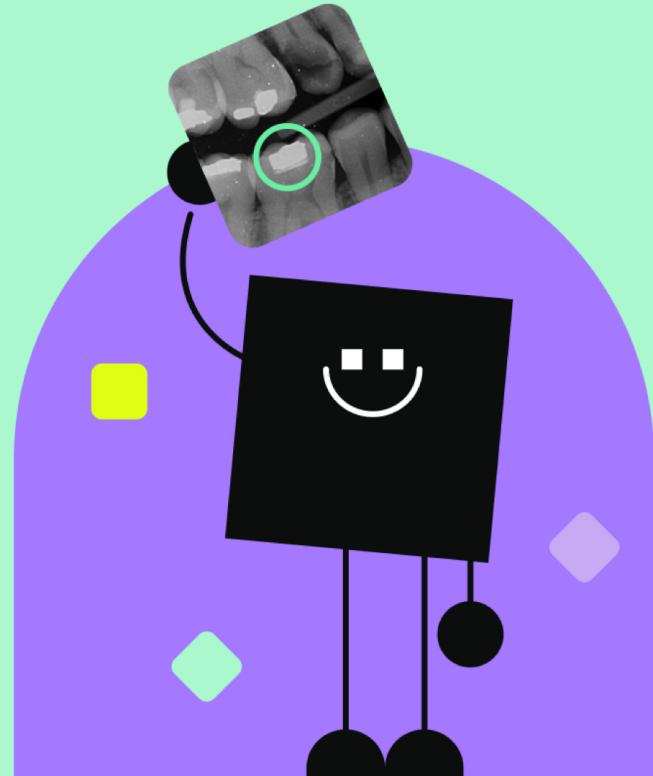
Why is the Gap there?²

- Limited or no access to relevant X-Rays
- Challenges in obtaining real-time supervision feedback



Bridging the Gap

How **AI** Connects Dental Clinics with Students



Bridging the Gap

AI:Dental Education
platform & AI

The screenshot shows the AI:Dental mobile application interface. At the top right, there is a message bubble with the text "I have tips for you!" and a small profile icon. On the left, a vertical navigation bar includes icons for a smiley face (Notifications), a house (Home), a graduation cap (Rooms), and a person (You). The main content area starts with a welcome message "Welcome Peter". Below it is a "Start practice" button. Three colored cards are displayed: a purple card for "Tagging X-Ray tagging per patient", a green card for "Quiz Learn from specific dental cases", and a yellow card for "Catalog Learn from catalog of cases". At the bottom, a progress indicator shows "25 %" for a task, with a "Continue" button below it.

Welcome Peter

I have tips for you!

Start practice

Tagging
X-Ray tagging per patient

Quiz
Learn from specific dental cases

Catalog
Learn from catalog of cases

25 %

Continue

Bridging the Gap

AI:Dental Education
platform & AI

- :A Convert X-Rays to educational content
- :B Real-time supervised learning
- :C Search for relevant X-Rays

:A Convert X-Rays to educational content

Digital Medical Record



Questions & Answers

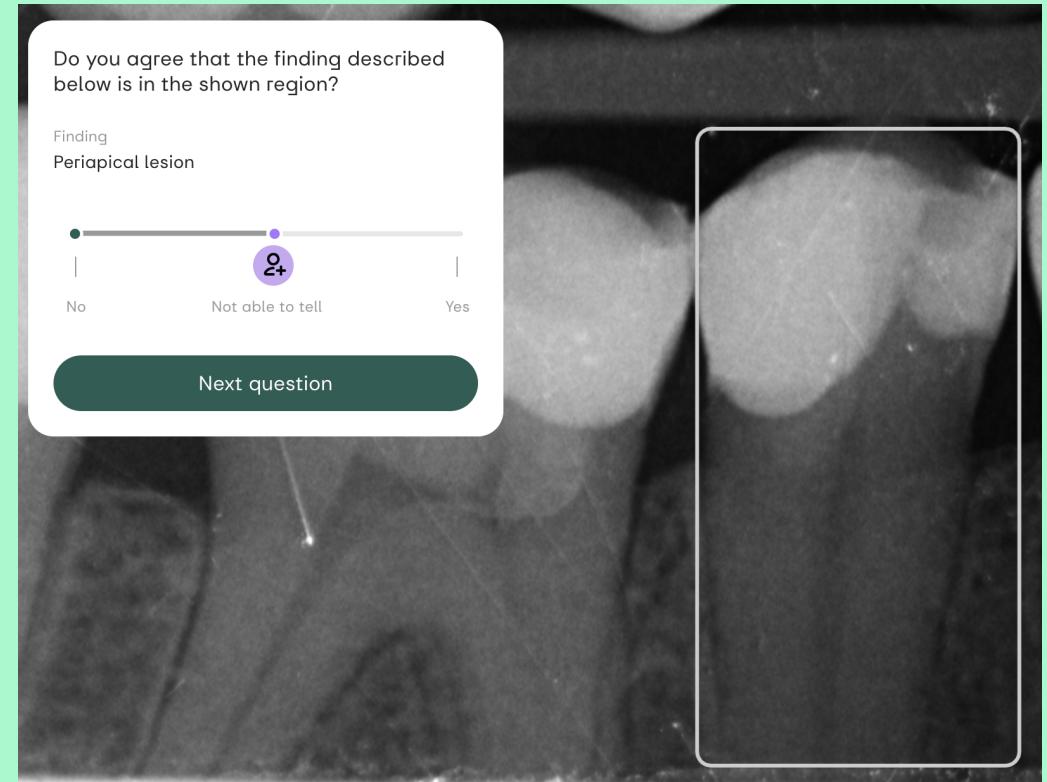
Do you agree that the finding described below is in the shown region?

Finding
Periapical lesion

No Not able to tell Yes

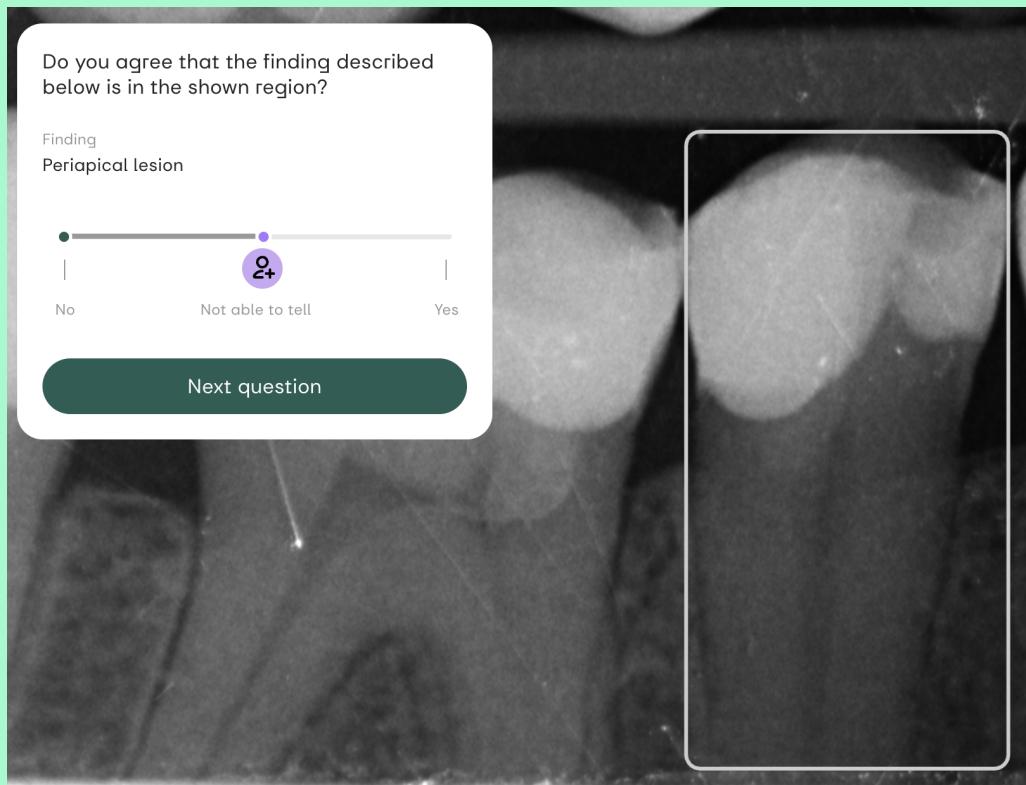
2+

Next question

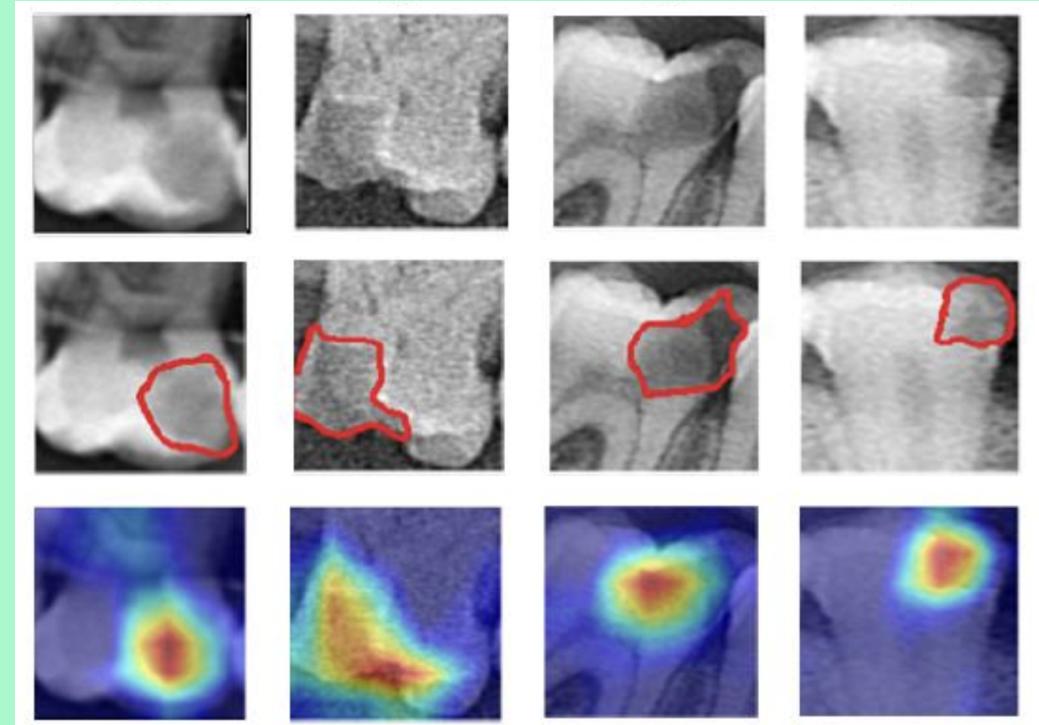


:B Real-time supervised learning

Questions & Answers



Solution explanation³



:C Search for relevant X-Rays

Catalog of cases

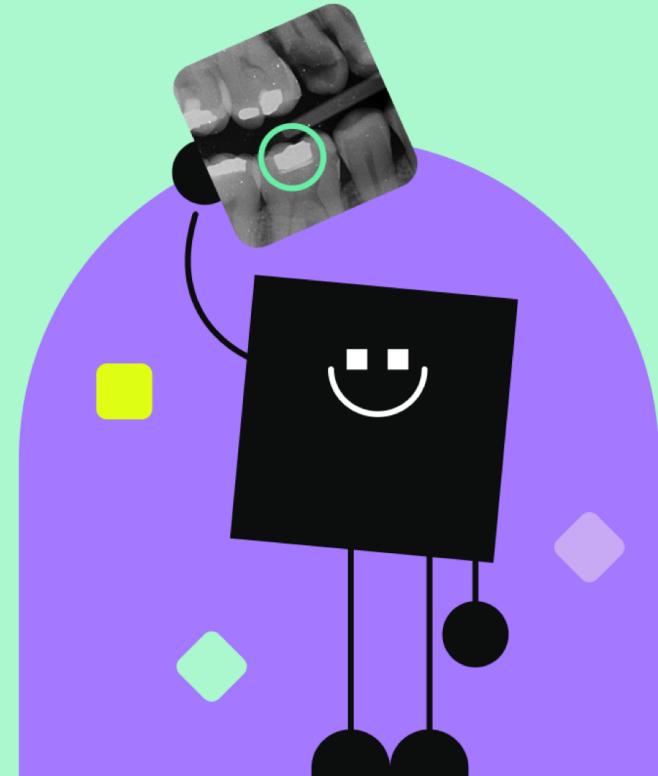


Relevant X-Ray⁴



Better dental care :)

- Performance evaluation
- Employee onboarding
- Saved time & money
- Patient treatment outcomes



Let's collaborate :D

- Universities
- Dental clinics
- Hospital
- Case Studies

AI:Dental

