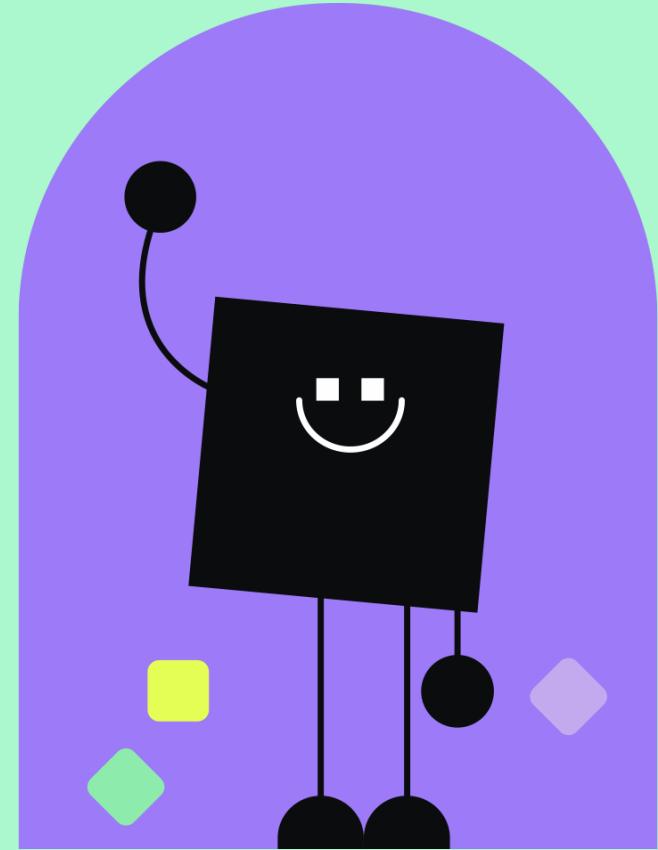


Bridging the Gap

How **AI** Connects Dental Clinics with Students

AI:Dental



Brief Intro

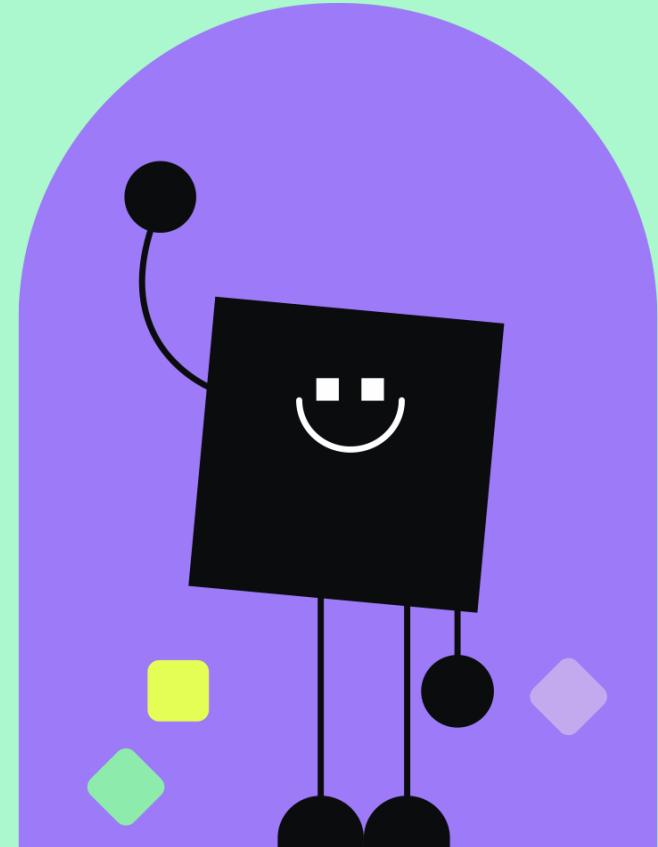
Peter Jurkáček

CTO at AI:Dental



Bridging the Gap

How AI Connects Dental Clinics with Students

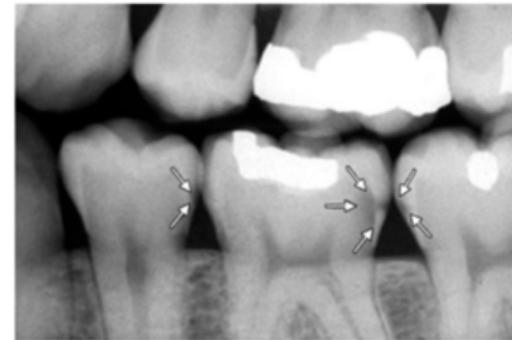


The Gap

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

X-Rays interpretation¹

6.arrowheads here indicate?

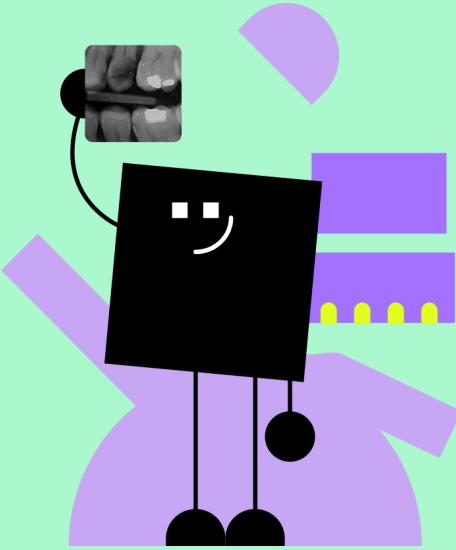


- cervical burnout
- incipient caries
- incorrect projection
- artifact

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



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

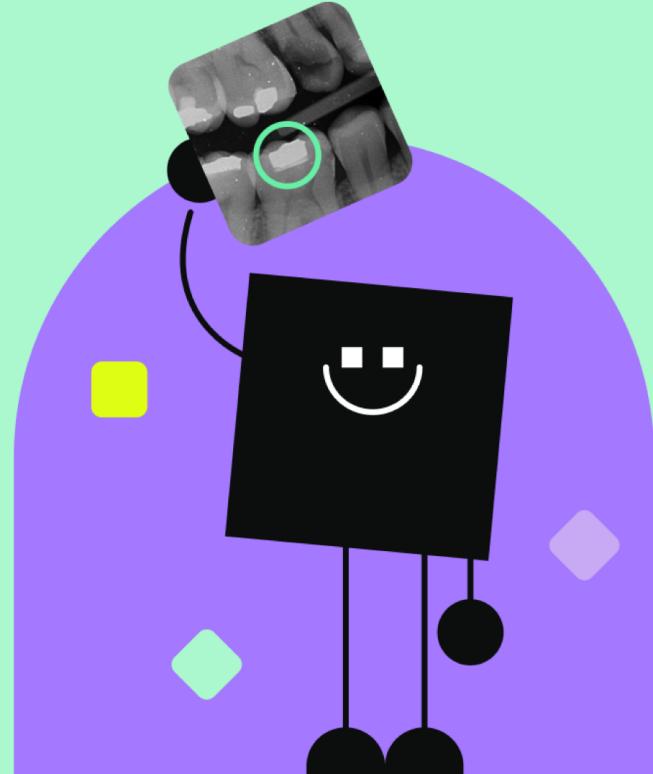


Why is the Gap there?²

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

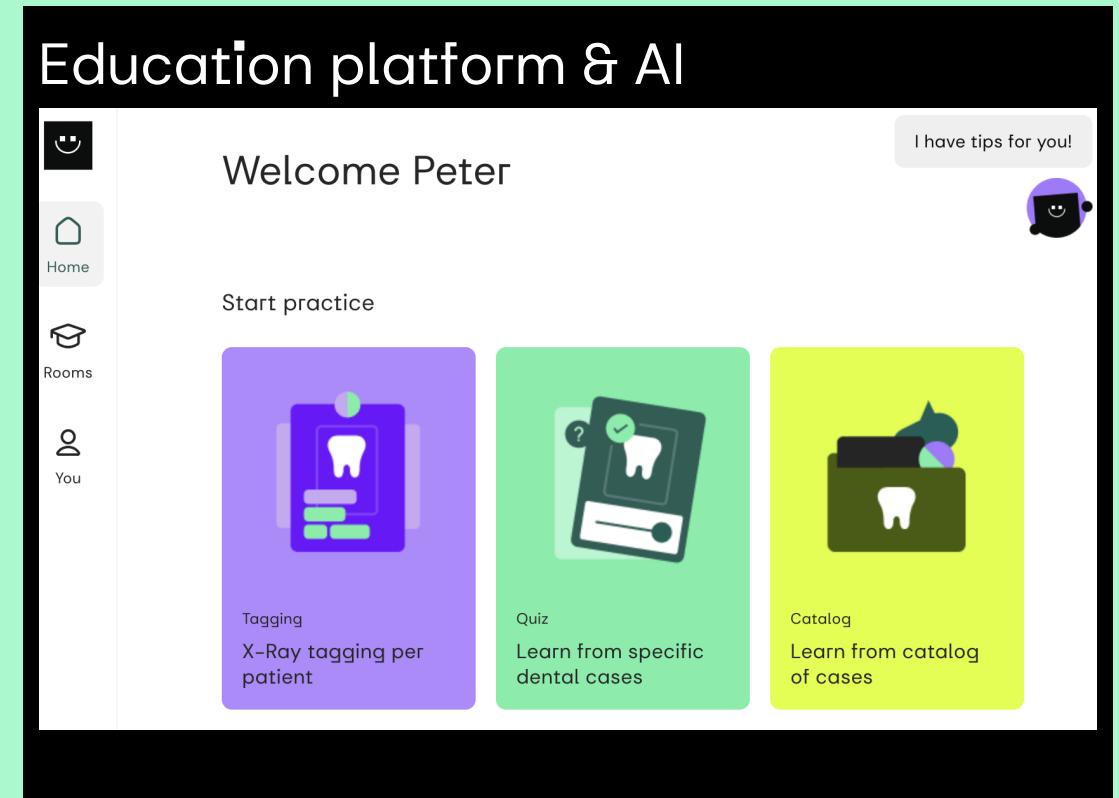
Bridging the Gap

How **AI** Connects Dental Clinics with Students



Bridging the Gap

AI:Dental Education
platform & AI



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

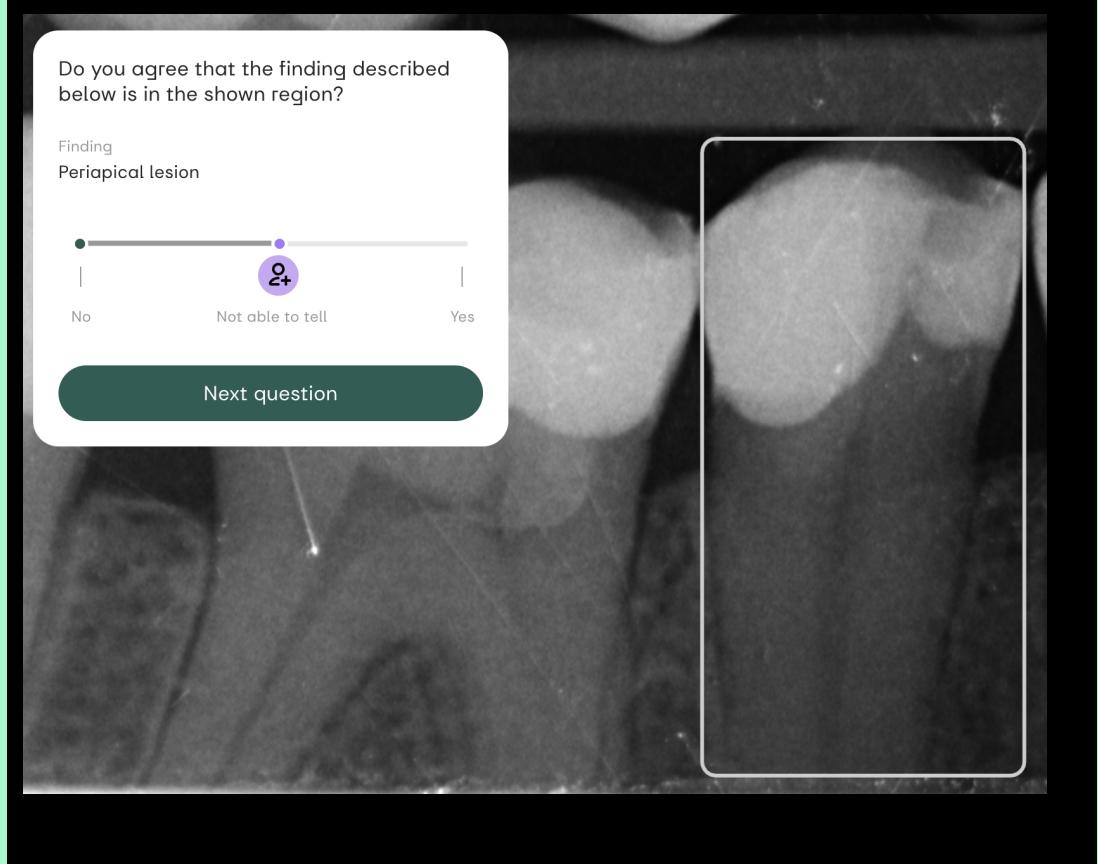
Do you agree that the finding described below is in the shown region?

Finding
Periapical lesion

No Not able to tell Yes

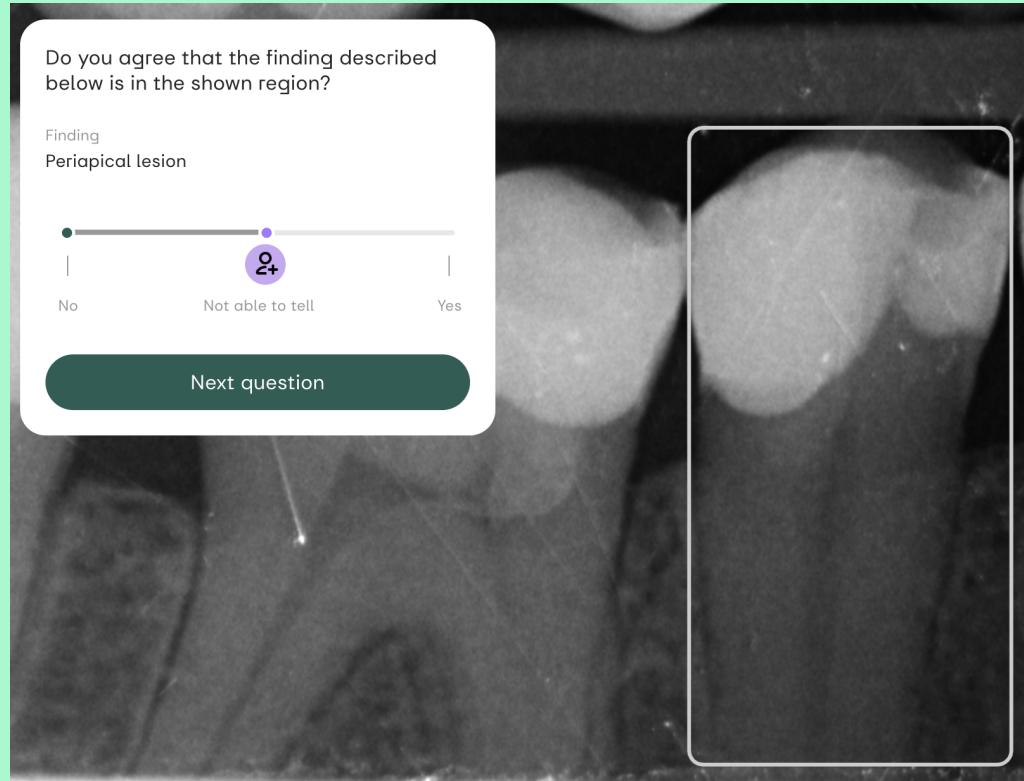
2+

Next question

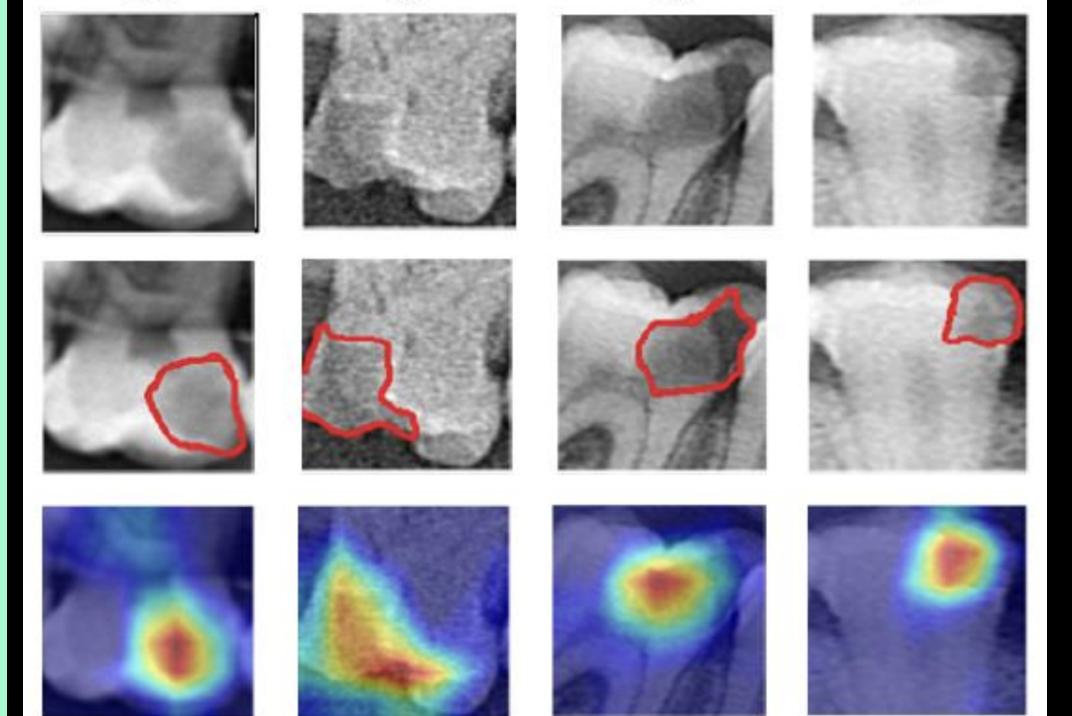


:B Real-time supervised learning

Questions & Answers



Solution explanation³





Search for relevant X-Rays

Catalog of cases



Relevant X-Ray⁴

Tooth 21 >

< Catalog of cases

Tooth 21

Female, 18 - 34

Findings

Filling

Periapical lesion

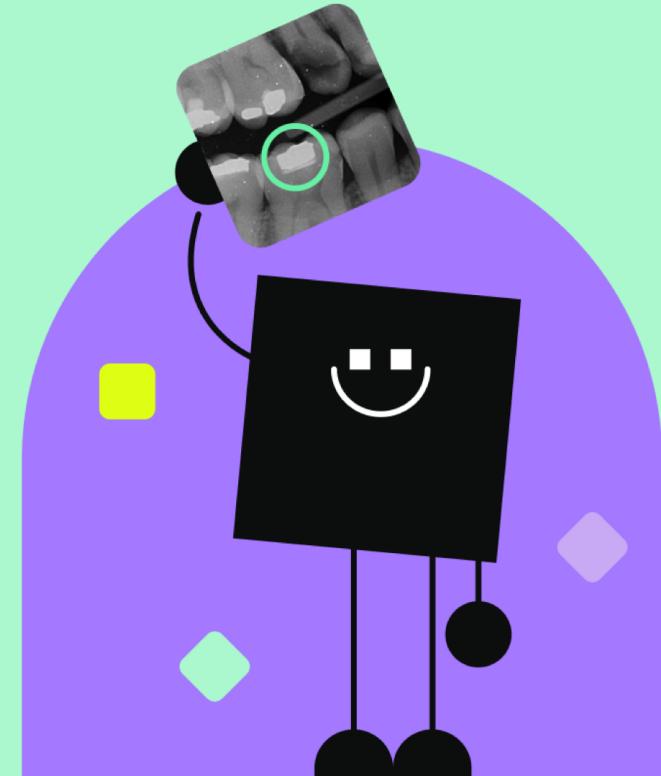
Recommendations

Filling

Root canal treatment

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

