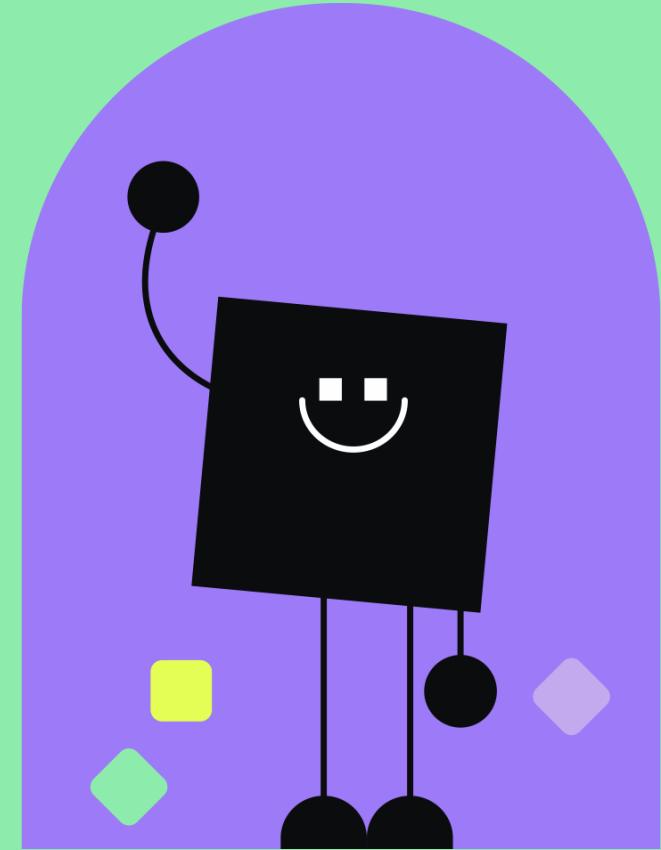


# Bridging the Gap

How **AI** Connects Dental Clinics with Students

AI:Dental



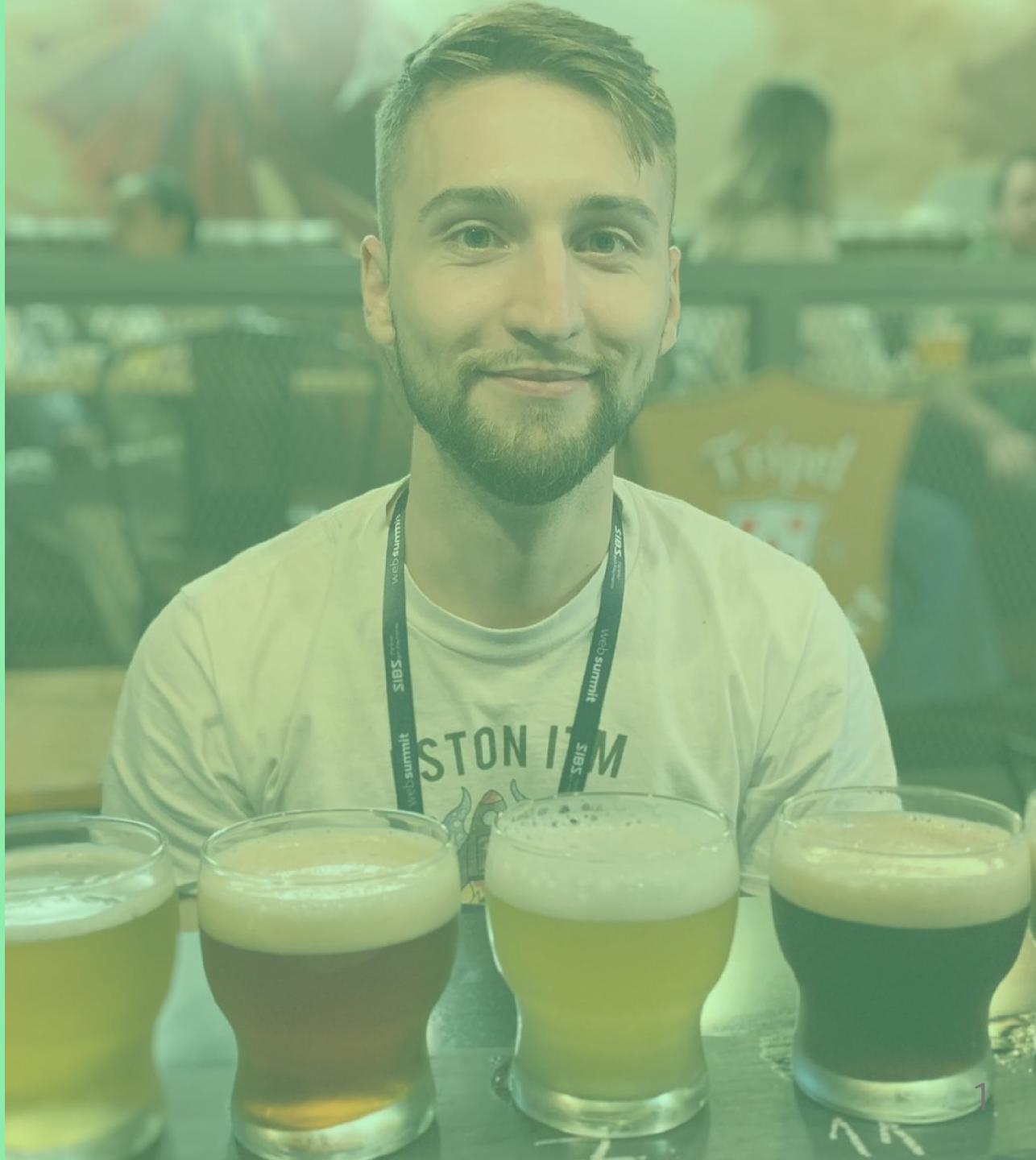
# Brief Intro

Peter Jurkáček

CTO at AI:Dental

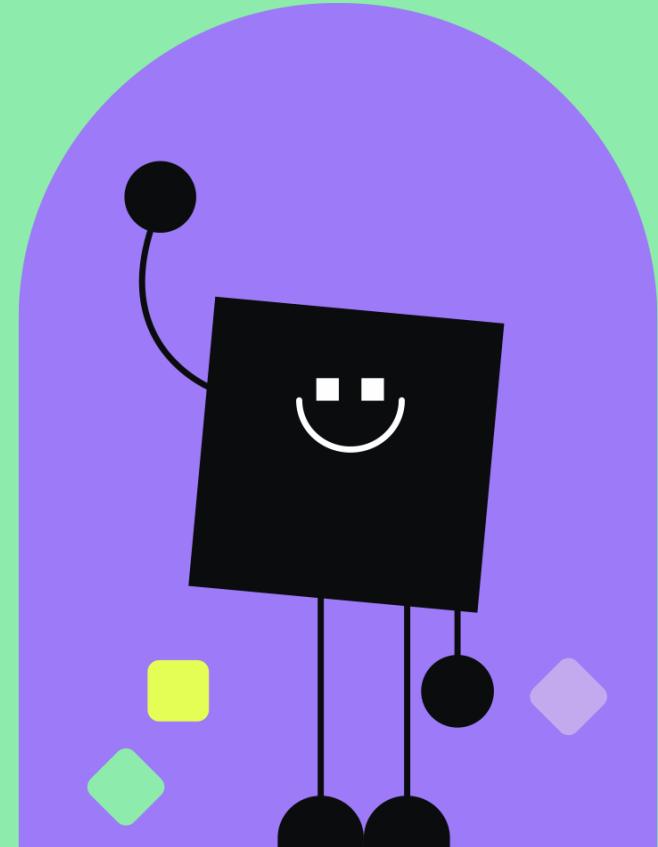


peter.jurkacek@aidental.ai

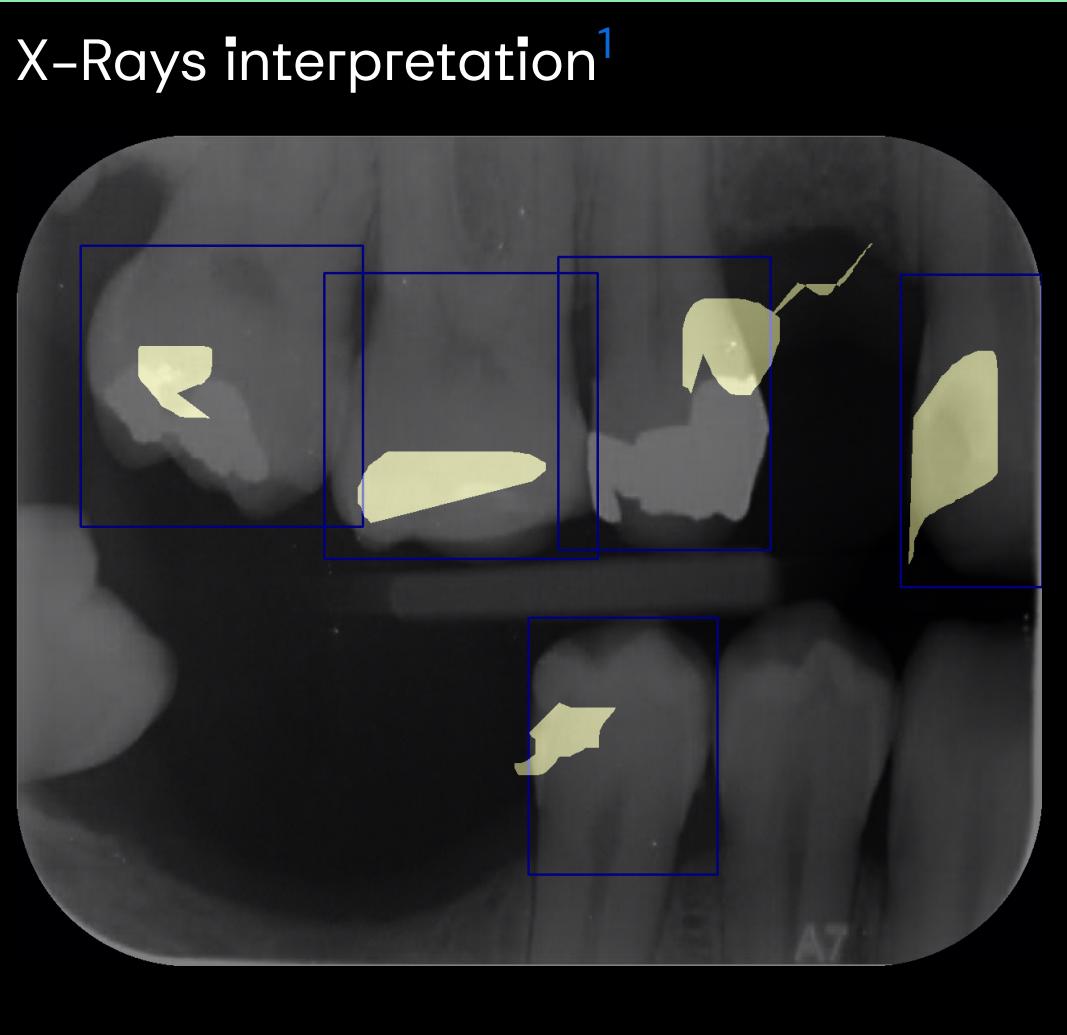


# Bridging the Gap

How AI Connects Dental Clinics with Students



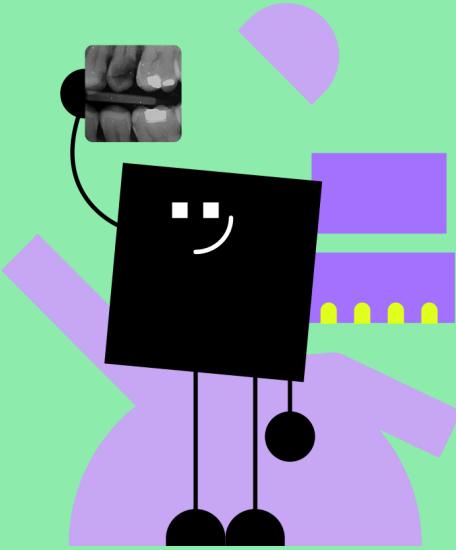
## X-Rays interpretation<sup>1</sup>



## The Gap :/

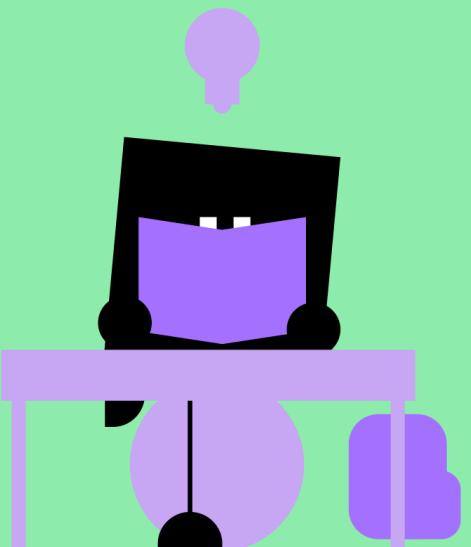
Dental students' accuracy in X-Ray interpretation ranges from 48% - 65%

1. 2022 Evaluation of radiographic interpretation skills of undergraduate dental students studying in a dental college of Punjab, India – A comparative study



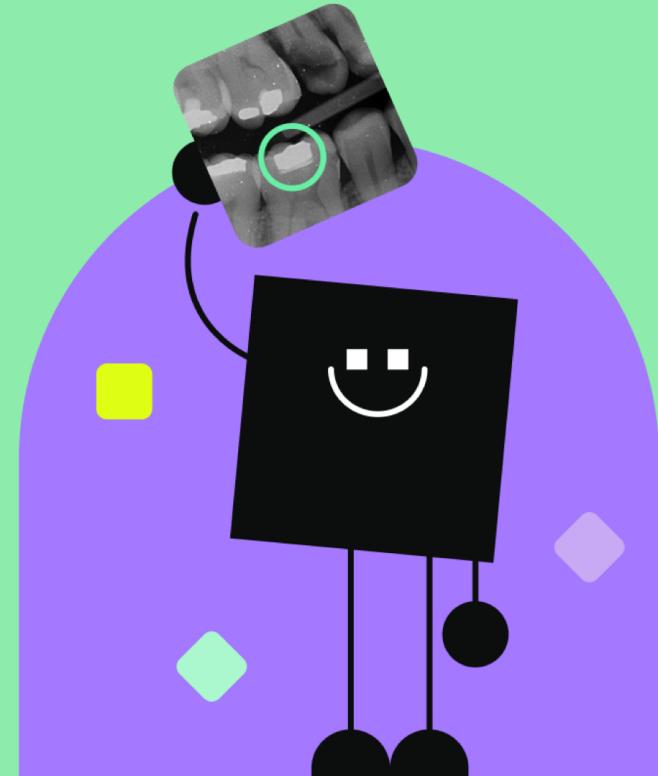
## Why is the Gap there?<sup>2</sup>

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



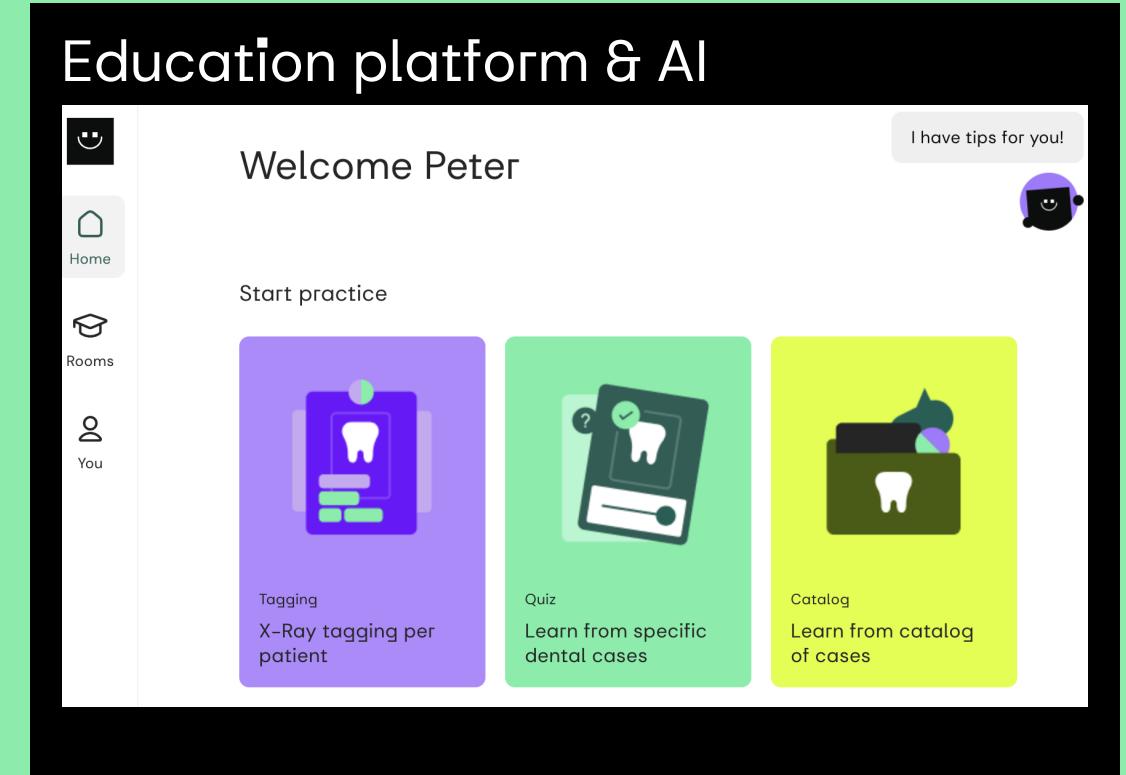
# Bridging the Gap

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?

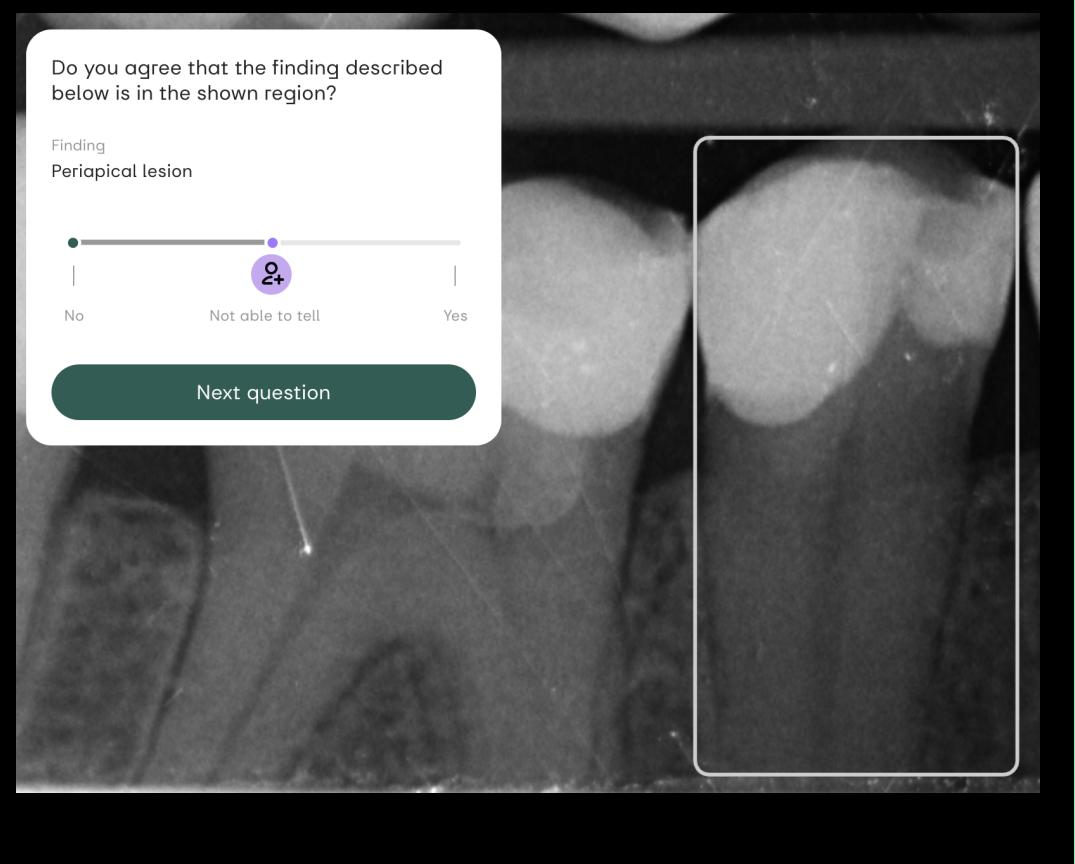
Finding

Periapical lesion

No      Not able to tell      Yes

Ω

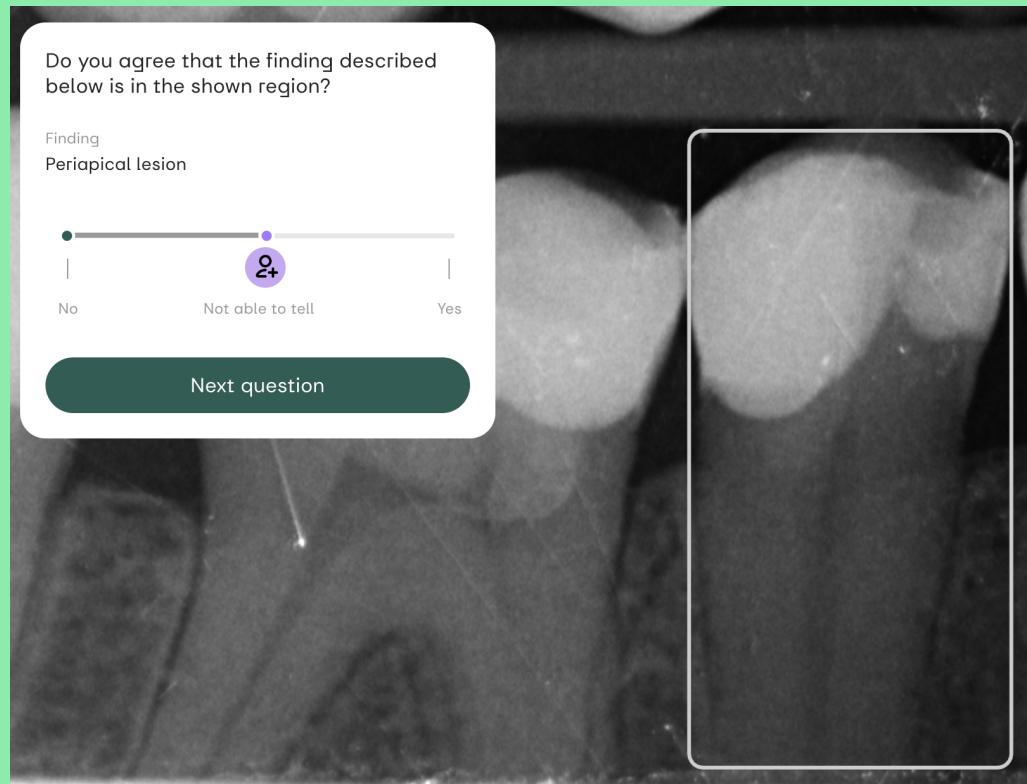
Next question



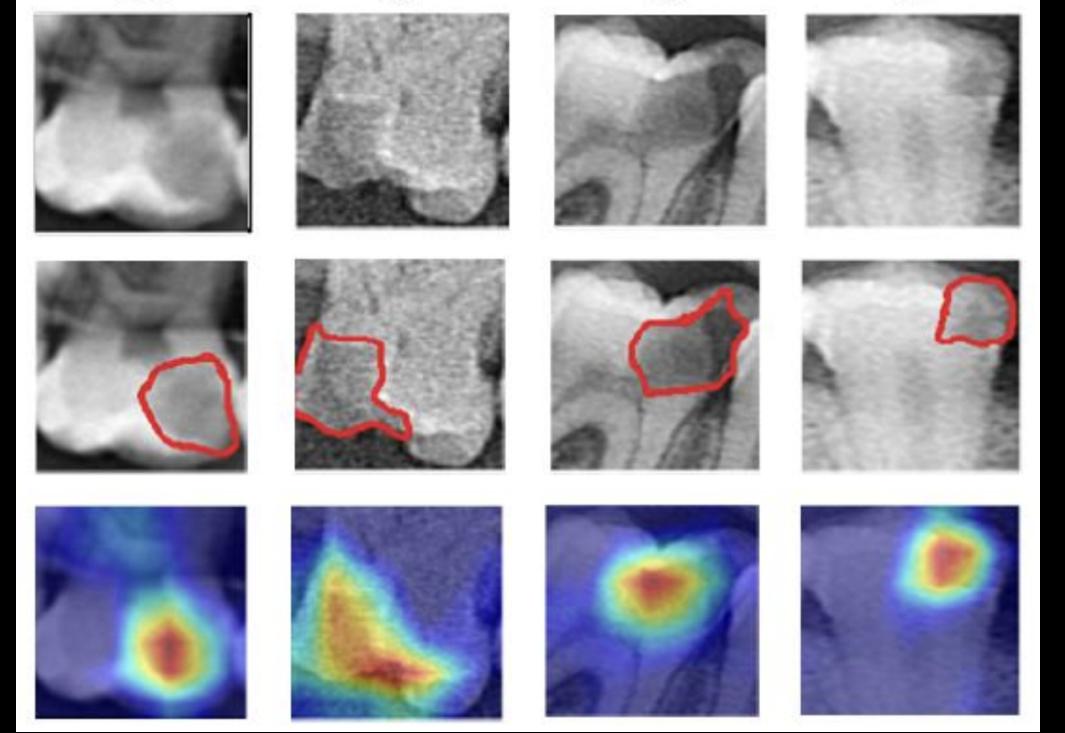
:B

# Real-time supervised learning

## Questions & Answers



## Solution explanation<sup>3</sup>



:C

# Search for relevant X-Rays

## Catalog of cases

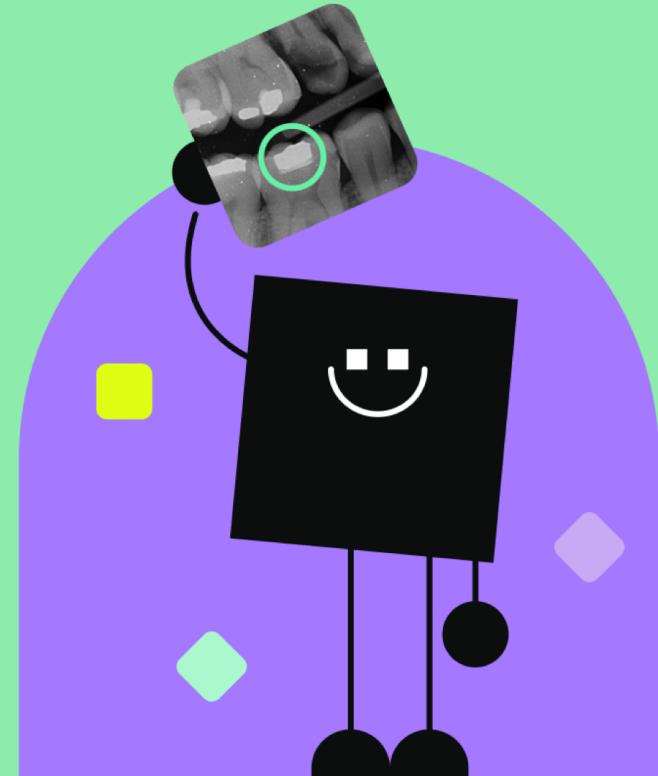


## Relevant X-Ray<sup>4</sup>



# Better dental care :)

- AI-assisted diagnostics
- Performance evaluation
- Saved time & money with
- Patient treatment outcomes



# Let's collaborate



- Universities
- Dental clinics
- Hospitals
- Case Studies
- AI companies

