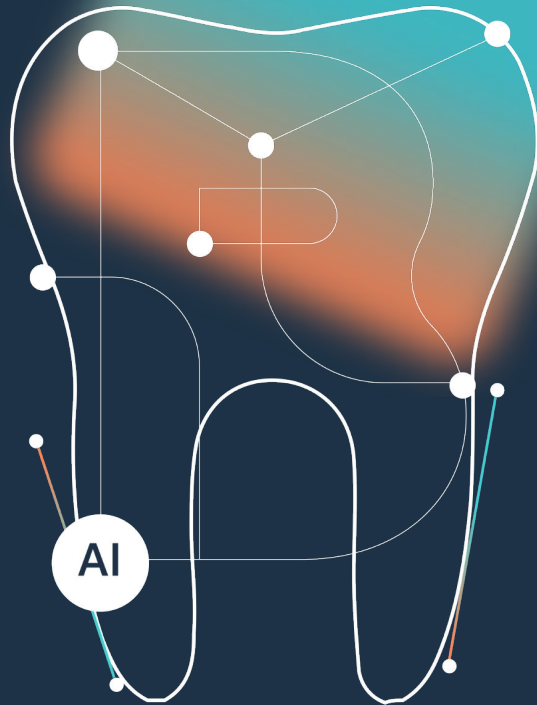
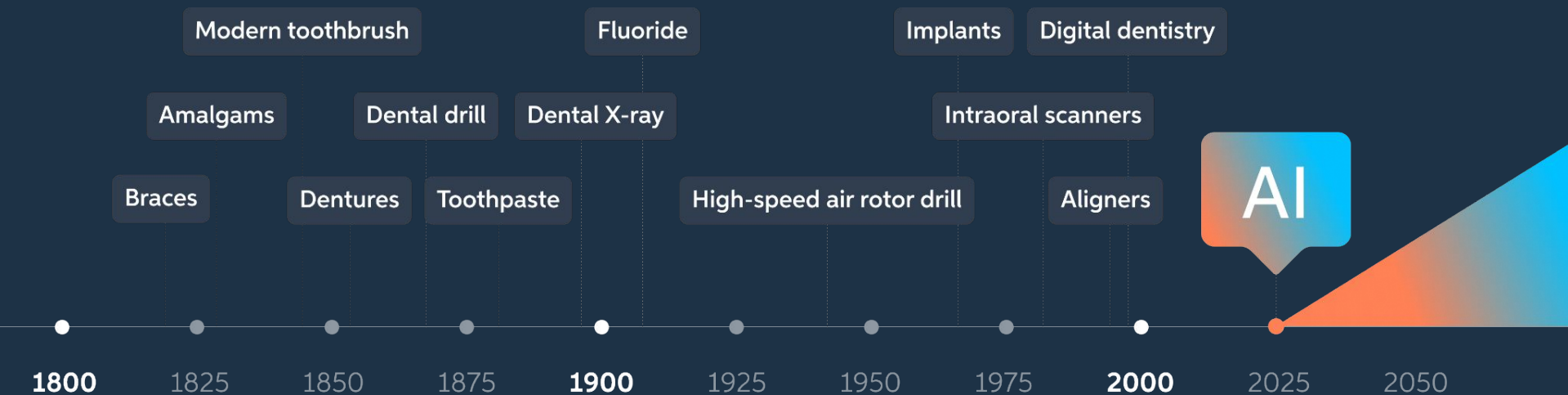




The future of dentistry
Powered by AI.



History of Modern Dentistry



AI will be an **essential utility** across the dental field within 5 years.



Problems that AI solves



Dentists are hugely inconsistent

Conflicting diagnoses, discordant treatment plans and even outright fraud are massive problems in the industry. The single most profound impact AI will have on the category is leveling up the standard of care.

Digital dentistry's untapped potential

Practices are sitting on mountains of data, but have no ability to take advantage of it. AI provides a cognitive processing layer that unlocks this untapped value.

Bottlenecks and inefficiencies

Whether it's perio charting, claims review or margin marking, the industry is unnecessarily wracked with bottlenecks and inefficiencies.

Key problems AI solves | CLINICAL INCONSISTENCY

DAIC DENTAL AI COUNCIL

Study: Variability in diagnosis & treatment



136

dentists reviewed a single patient's FMX



Study: Detection of carious lesions



8,767

x-rays reviewed by three dentists



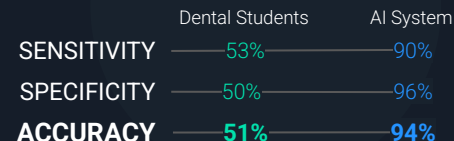
UCLA Dentistry Oral & Maxillofacial Radiology

Study: Diagnostic Performance of a Dental AI for Caries Detection and its Potential Role in Dental Education

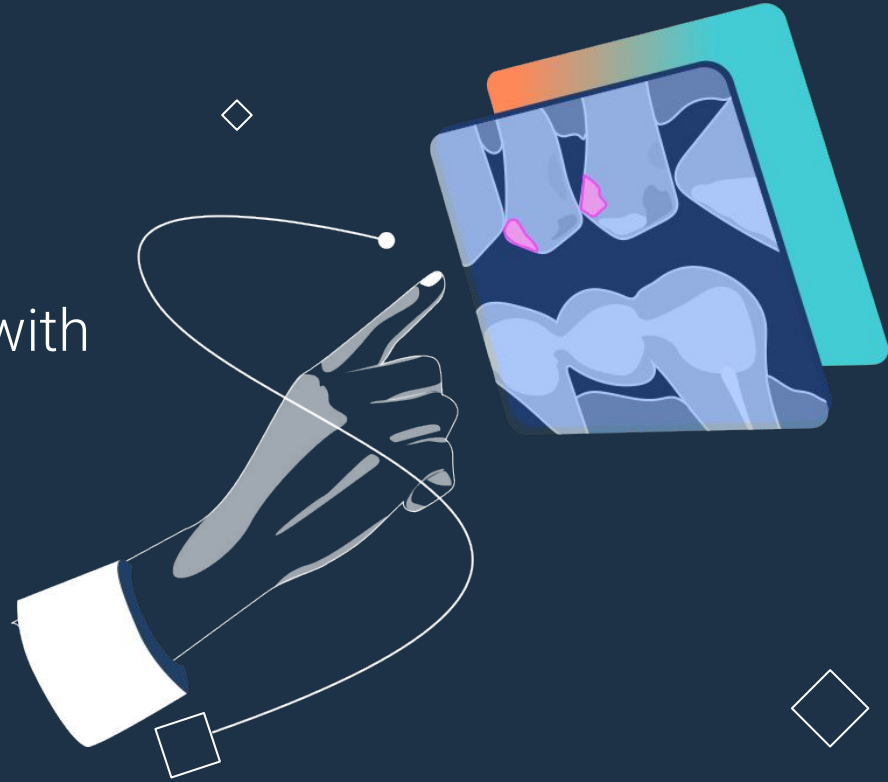


87

dental students completed caries detection competency exams, which were evaluated by both an AI system and UCLA faculty.



Quality dental care begins with
accurate x-ray analysis



Dental radiology | BY THE NUMBERS

1.4B

dental x-rays captured annually

39%

of all medical x-rays are dental



43% of caries in x-rays are undiagnosed

20% of caries diagnosed in patients are not actually caries

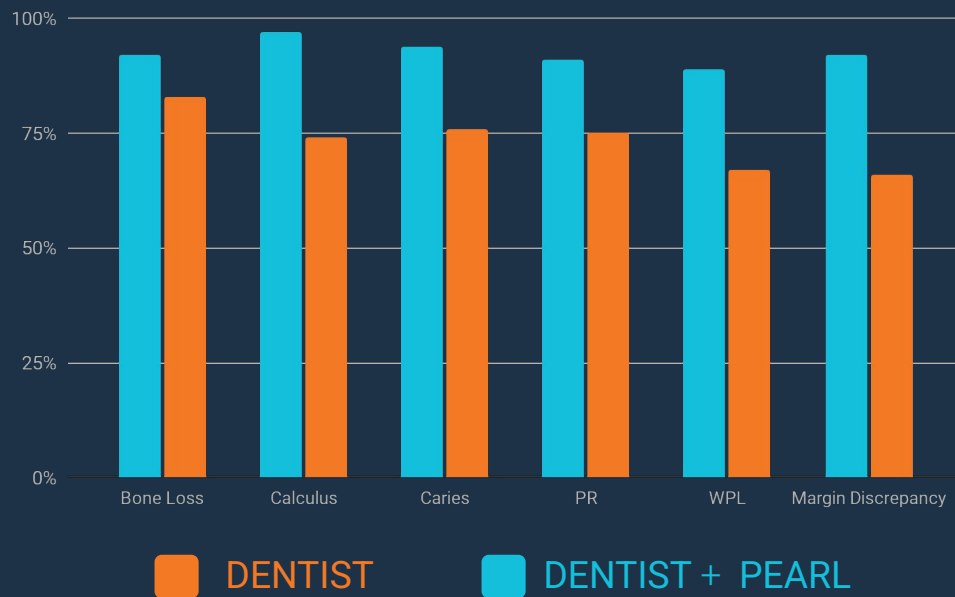
24% of periapical radiolucencies in x-rays are undiagnosed



AI-assisted performance



37% DISEASE
MORE **DETECTED**



Our Mission

Pearl's mission is to establish an **elevated standard of care** in dentistry and **positively impact billions** of patient lives.





About Pearl

Our Advantage



Leading Capabilities

Our diagnostic suite detects a greater range and number of pathologies, existing restorations and natural anatomy than any solution of its kind.



FDA Advantage

We have secured the first and only FDA clearance for AI-powered comprehensive clinical disease detection.



Clinician Focused

We are the only AI company engineered exclusively to serve the needs and interests of dentists and dental practices.



Proven Experience

Our team has spent the last 16 years successfully commercializing AI/CV-centric solutions.



Superior Data

We have collected and trained our machine learning algorithms on the largest collection of labeled dental radiographs in the world.



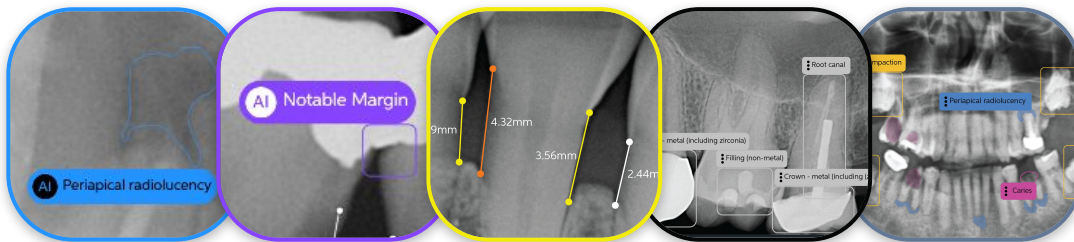
Global Business

We are the only AI company with rapidly expanding worldwide market presence that includes regulatory clearance in 120+ countries across 5 continents.



Pearl is dentistry's **most comprehensive FDA-cleared** radiologic AI utility for real-time disease detection & case presentation.

	
Caries detection	✓
Bone level measurement	✓
Calculus detection	✓
Periapical radiolucency detection	✓
Margin discrepancy detection	✓
Existing restorations detection	✓
Tooth parts mapping	✓
Panoramic/OPG Modality	✓

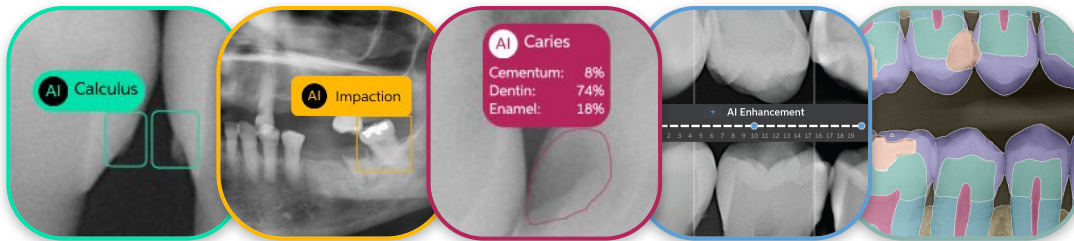


AI DETECTIONS

- Caries
- Periapical radiolucency
- Calculus
- Notable Margin
- Bone levels & more...

RADIOLOGIC UTILITIES

- Tooth part mapping
- Annotation & detection editor
- Image quality enhancement
- Measurement tool
- Tooth numbering & FMX auto-layout

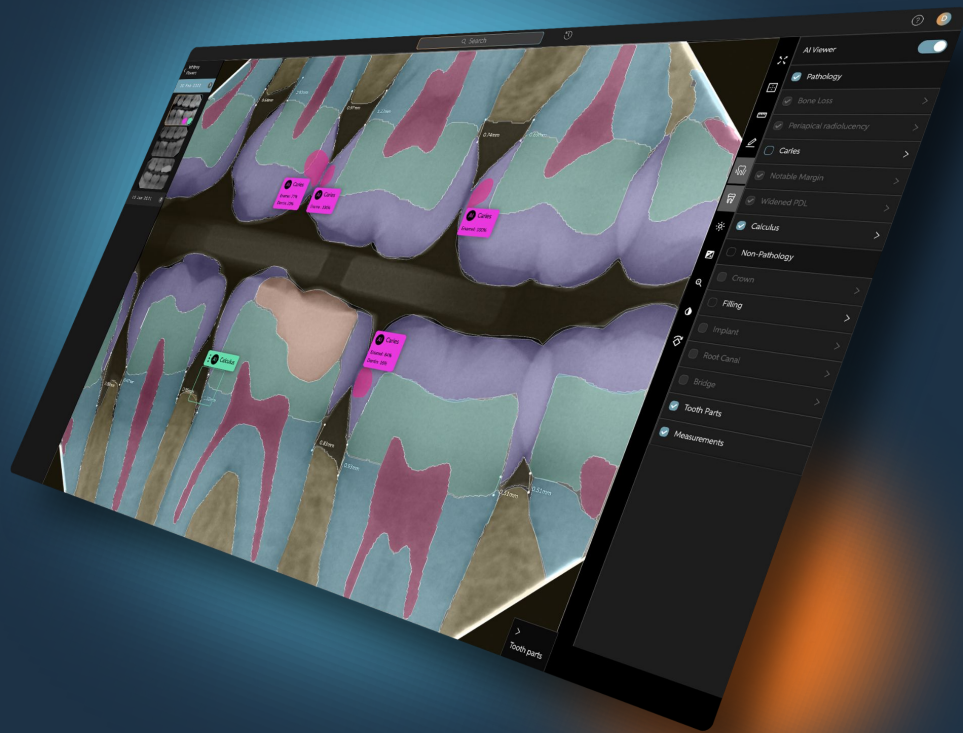




Clinical Solutions

Second Opinion®

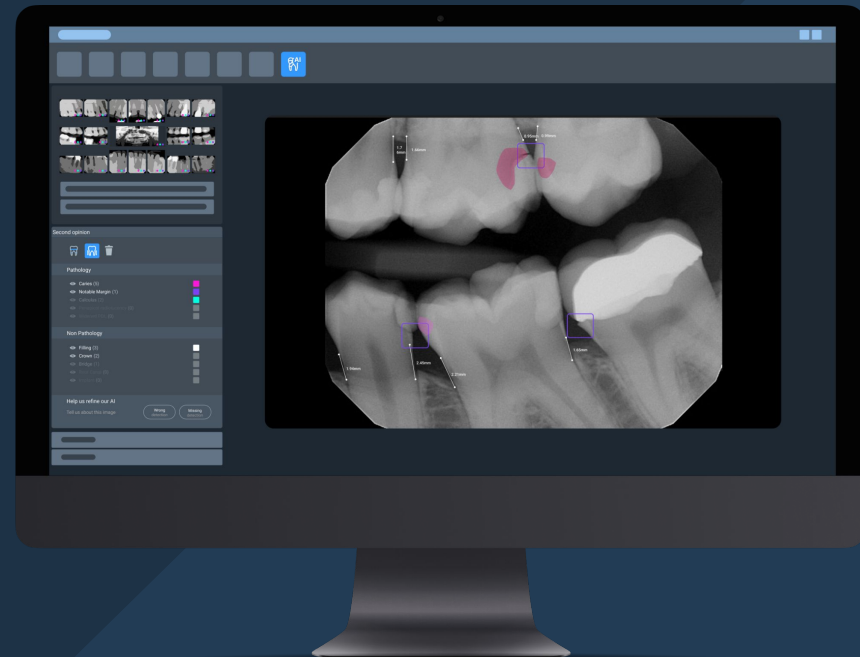
The world's most
comprehensive FDA-cleared
real-time AI diagnostic aid for
dentists.

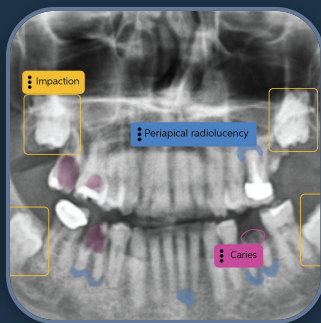
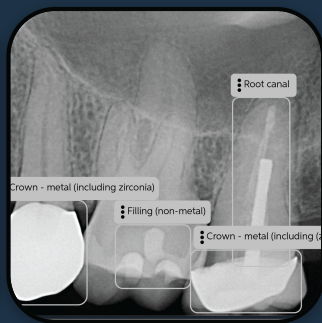
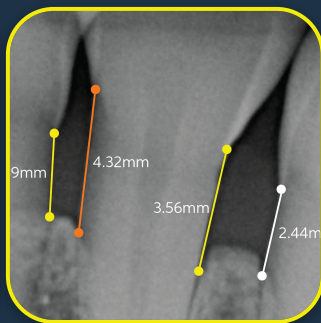
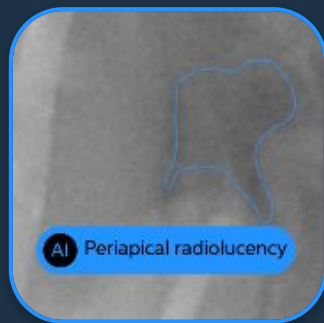


Native Second Opinion®

The world's only **turn-key** global diagnostic AI solution.

- Most comprehensive **FDA** clearances
- **Global regulatory** clearance (100+ countries)
- **Distributed server** infrastructure
- **GDPR** Compliant
- **MDR** Certified
- Every significant **patent** in the dental AI category
- Battle-tested **technology & infrastructure**
- Robust capability & clearance **roadmap**
- Robust **API**
- Off the shelf **UI components**



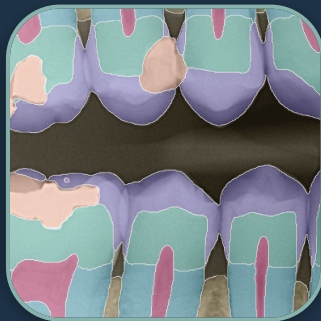
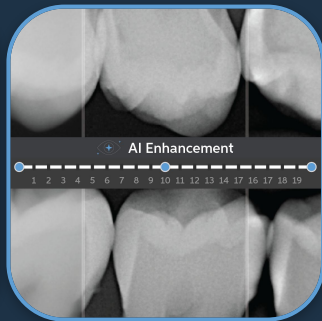
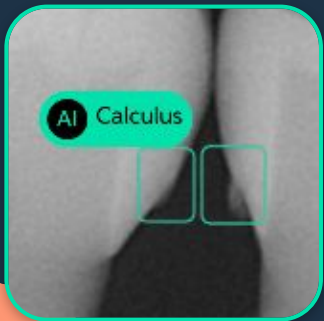


DETECTIONS

- Anatomical Structures
- Bone Levels
- Furcation
- Breakdown Percentage
- Calculus
- Caries
- Crowns
- Fillings
- Impactions
- Margin Discrepancy
- Periapical Radiolucency
- Root Canal
- Root Length
- Widened Periodontal Ligament
-and more.

UTILITIES

- Tooth part mapping
- Annotation & detection editor
- Image quality enhancement
- Measurement tool
- Tooth numbering & FMX auto-layout



Benefits



Standard of care

Establish a practice-wide standard of care with machine learning technology



Clinical consistency

Improve consistency in clinical performance with always-on automated clinical support



Conversion & retention

Boost same-day dentistry, treatment acceptance & patient retention through better patient communication.



Oral health outcomes

Elevate oral health outcomes by catching disease earlier and more comprehensively



Cutting-edge care

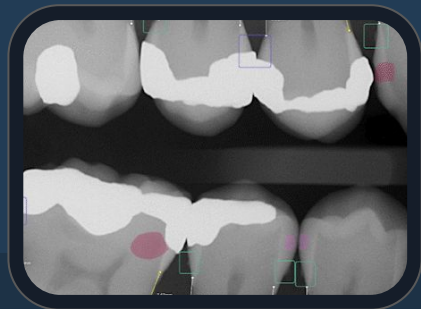
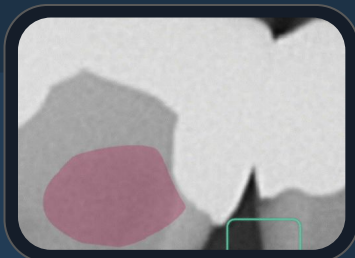
Foster a reputation as a tech-forward practice applying AI in clinical care.

Redefining patient communication

EDUCATIONAL



QUANTITATIVE



OBJECTIVE

My dentist is using AI 🤖



Made me look forward to going to the dentist- fascinated with this new technology 🤖

Practice Intelligence®

The first-ever **AI-powered clinical performance** platform for dental offices and DSOs.



Features



AI-guided daily schedule



Clinical performance dashboard



Intelligent recall & marketing CRM



Clinically-informed patient database



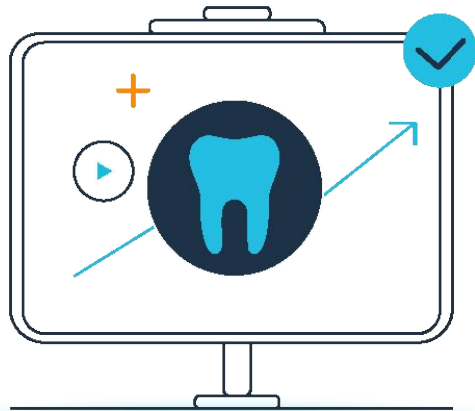
Second Opinion® real-time AI detections



Push-button specialist referral portal



Benefits



Surface unmet treatment need



Elevate standard of care



Track actionable patient health & treatment trends



Drive targeted patient outreach



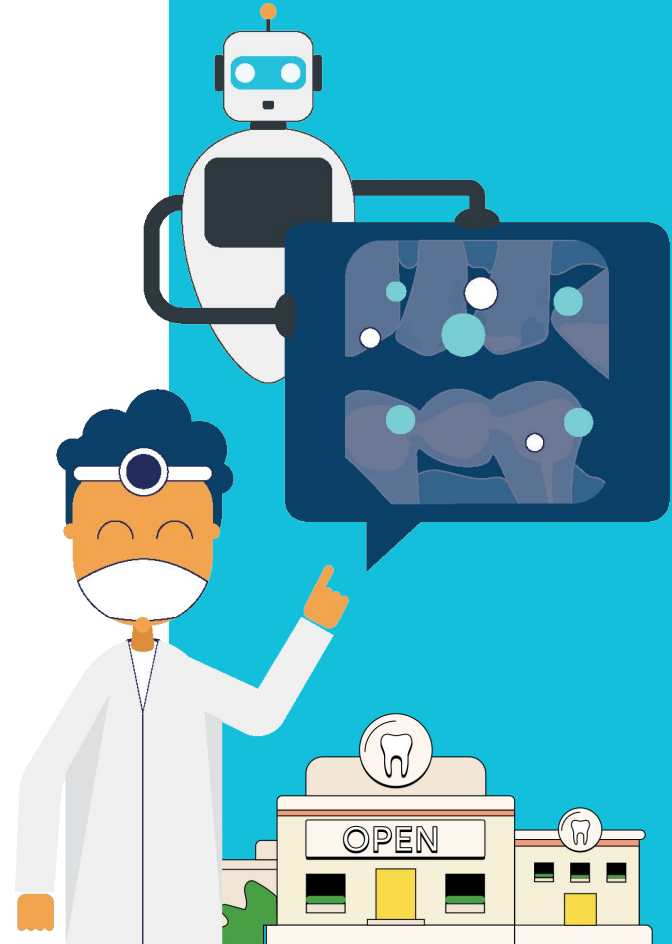
Increase same-day dentistry & daily production

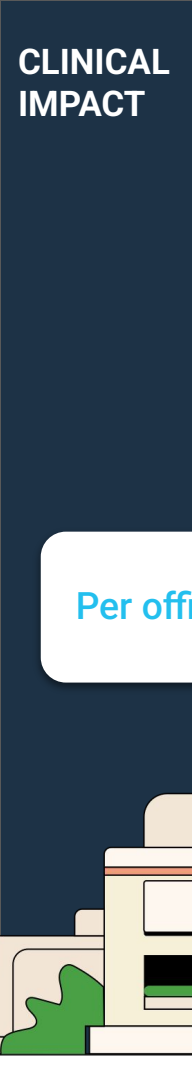




Clinical Impact

With a real-time, patient-facing radiologic AI assistant, **dentists strengthen the diagnostic foundation of their care** to support superior treatment outcomes and **greater patient trust.**





Pearl Impact | BY THE NUMBERS

Per office average



Tx Acceptance

+23%
RCT

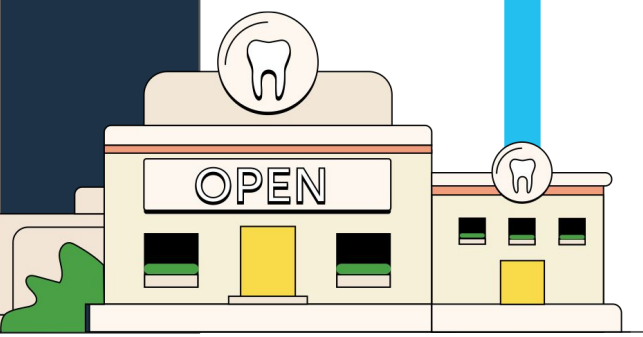
+19%
Fillings

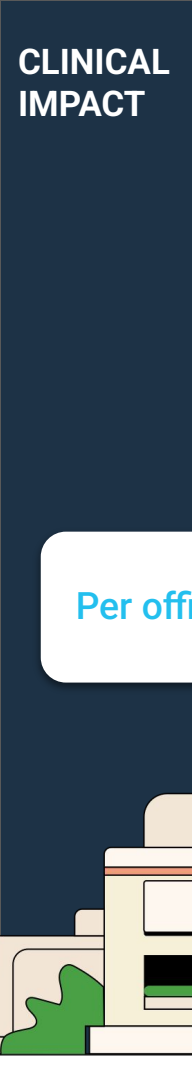
+37%
Scaling & Root Planing

+34%
Crowns

+18%
Implants

+39%
Restorative Replacement





Pearl Impact | BY THE NUMBERS



\$ Production

Per office average

+22%
General Dentistry

+29%
Specialty



Treatment volume

+17% Radiographs	+19% Endo	+12% Scaling & Root Planing
+40% Crowns	+46% Fillings	+24% Implants





THANK YOU!
