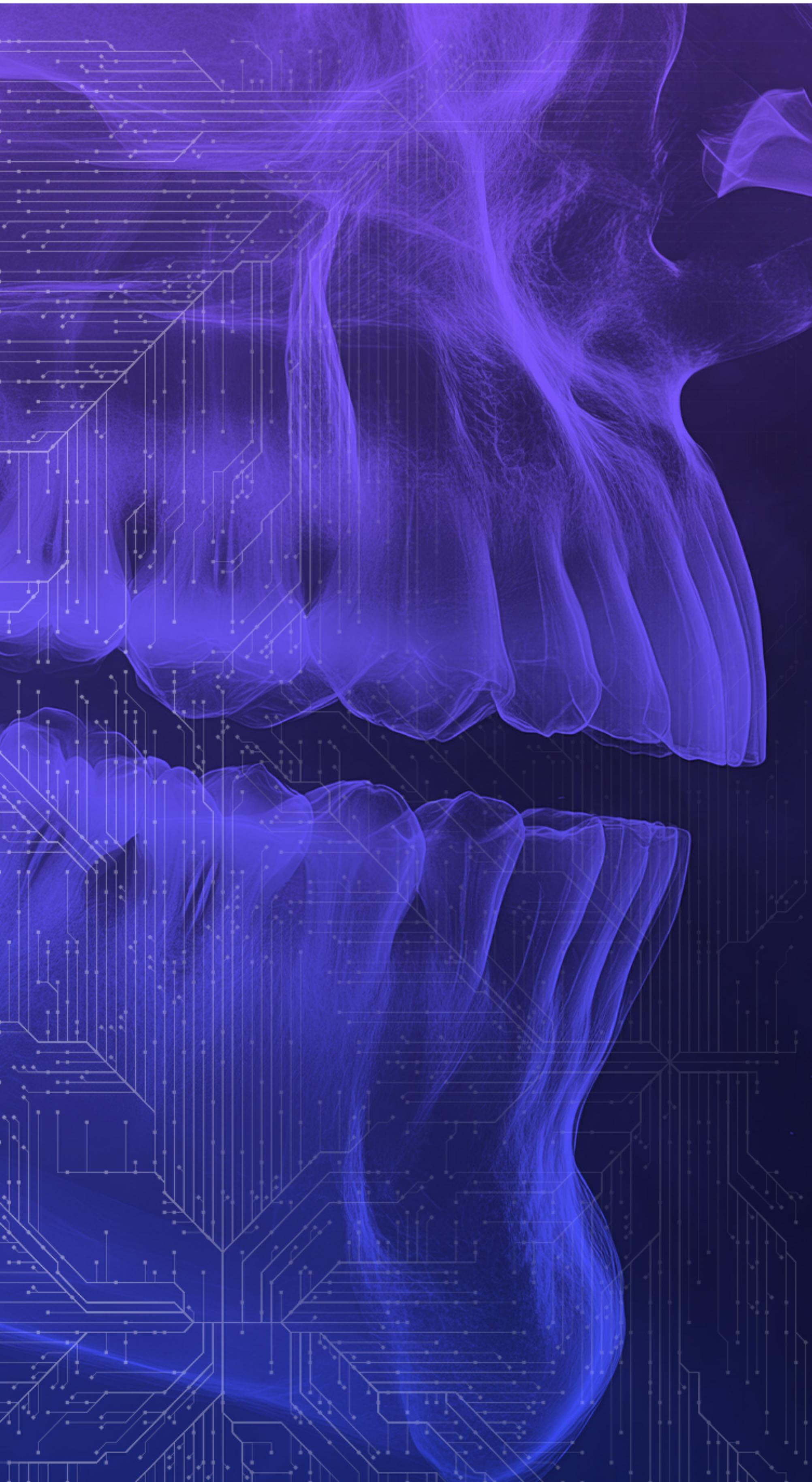# AVA

Intelligent Dental AI Platform

By Smart Wellness (Hooshmand Binesh Salamat Farda)

Transforming Oral Diagnostics with AI

From prevention to precision we redefine dental care with AI.

AVA is an advanced, AI-powered dental platform that empowers healthcare systems, insurance companies, radiology centers, and dental professionals to make faster, more accurate, and more strategic oral health decisions.

Key Features

AI-Based Caries Detection

* Detects dental caries in panoramic (OPG) and bitewing images.
* Tooth-level segmentation with severity scoring.
* Real-time annotated reports for clinicians.

AI-Based Caries Detection

* Generates Decayed, Missing, and Filled Tooth index automatically.
* Supports individual risk profiling and population-level analytics.
* Enables better public health planning and insurance assessments.

Periodontal Disease Staging

* Detects and stages periodontal bone loss (Stage I–IV).
* Helps plan periodontal interventions and long-term follow-up.
* Adds value to preventive programs.

Personalized Oral Risk Scoring (PROS Module)

* Comprehensive oral risk score (0–100 scale).
* Integrates AI findings, age, occlusion status, bone support, and treatment history.
* Useful for customized insurance plans and patient counseling.

Longitudinal Monitoring & Progress Tracking

* Compare images across visits (timeline analysis).
* Visual progression of caries and periodontal conditions.
* Supports early intervention and treatment outcome evaluation.

Where technology meets oral care.

AVA Web Services

For Ministries & Public Health Authorities

* National caries and periodontal disease dashboards.
* School dental program integration.
* Data-driven policy and prevention planning.

For Insurance Companies

* Automated dental risk assessment and DMFT validation.
* Fraud detection and treatment verification tools.
* Smart portfolio design and premium adjustment support.

For Radiology Centers

* Automated reporting service for OPG and bitewing images.
* Enhances report turnaround time and consistency.
* Supports radiologists with AI-assisted annotations.

For Dental Clinics & Practitioners

* Chairside real-time caries detection and risk scoring.
* Supports treatment planning and patient education.
* Improves patient trust and clinic brand value.

AVA

A Solution that empowers you
to focus on what truly matters

Deployment & Integration

* Web-based platform and secure API integration.

* Fully on-premise or hybrid deployment.

* Customizable bilingual interface (English/Arabic).

Your digital partner
in dental health.

Why Choose AVA?

* Proven Accuracy: Validated in collaboration with leading academic centers.

* Scalable & Modular: Flexible modules tailored to different stakeholders.

* Data Privacy : Compliant with international standards (HIPAA, GDPR).

* Rapid ROI: Reduces diagnostic delays, improves outcomes, and supports smarter financial planning.

About Smart Wellness

Smart Wellness(Hooshmand Binesh Salamat Farda) is an Iranian knowledge-based company, dedicated to creating AI-powered solutions in dental and medical fields. Our mission is to bridge technology and healthcare to improve lives and optimize care delivery.

SMART WELLNESS
AI-BASED SOLUTIONS

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