



Informed Consent — AI-Assisted Dental Technology Artificial Intelligence Tools in Diagnosis & Treatment Planning

PATIENT INFORMATION

Patient Name: _____

Date of Birth: _____

Chart #: _____

Treating Provider: _____

Date: _____

WHAT IS AI-ASSISTED DENTISTRY?

This practice uses software that includes artificial intelligence (AI) computer programs trained to recognize patterns — to help your dentist review X-rays, photographs, and other clinical data. AI tools can highlight areas of potential concern (such as early cavities, bone changes, or abnormal tissue patterns) that your dentist then evaluates clinically.

AI is a decision-support tool, not a decision-maker. Your dentist reviews every AI-generated finding and makes all final clinical judgments. AI does not replace the provider's training, examination, or professional opinion.

AI TOOLS USED IN THIS PRACTICE

Check all that apply to your care:

- ☐ AI-assisted radiograph (X-ray) analysis — e.g., cavity detection, bone level assessment
- ☐ AI-assisted intraoral photograph analysis
- ☐ AI-assisted periodontal (gum) risk scoring
- ☐ AI-assisted treatment planning support
- ☐ AI-generated patient communication or documentation assistance
- ☐ Other: _____

POTENTIAL BENEFITS

- May help identify early diseases that could otherwise go undetected
- Provides a consistent, systematic review as a second set of 'digital eyes'
- Can improve documentation accuracy and completeness
- May reduce diagnostic variability between appointments and providers

LIMITATIONS AND RISKS

- AI systems can produce false-positive findings (flagging something that is not a clinical problem) or false-negative findings (missing something that is present). Your dentist's examination is always primary.
- AI tools are trained on large datasets that may not perfectly represent every patient's anatomy, demographics, or radiographic quality.
- AI software may share de-identified (anonymized) data with the software developer for ongoing training and improvement. Personal identifiers are removed before any such sharing. See our Privacy Notice for details.
- AI findings are advisory only — they do not constitute a diagnosis or treatment recommendation on their own.

- You may experience additional follow-up recommendations based on AI flags that your provider ultimately determines are not clinically significant.

YOUR DATA AND PRIVACY

Images and data analyzed by AI tools are handled in accordance with HIPAA and our practice Privacy Notice. De-identified images may be transmitted to the AI software vendor's secure servers for processing. No identifiable information is sold to third parties.

YOUR RIGHT TO OPT OUT

You may decline the use of AI-assisted tools. Declining will not affect the quality of your care — your provider will perform the same clinical examination using traditional methods. Please tell your provider or a team member if you prefer to opt out.

- ☐ I ACCEPT the use of AI-assisted technology in my care as described above.
- ☐ I DECLINE AI-assisted technology. I understand my care will proceed without these tools.

⚠ STATE LAW NOTE: [STATE] may have emerging regulations or dental board guidance on AI use in clinical practice, data privacy, or mandatory disclosure. Consult current [STATE] Dental Practice Act and any applicable [STATE] health data privacy laws (e.g., [STATE] equivalent of CCPA/CDPA) and insert required language here.

PATIENT ACKNOWLEDGMENT

I have read or have read to me the information above regarding the use of AI-assisted tools in this dental practice. I understand the benefits, limitations, and privacy considerations. I understand that my dentist remains fully responsible for all clinical decisions. My questions have been answered, and I have selected my preference above.

SIGNATURES & ACKNOWLEDGMENT

Patient Signature	Date
Witness / Staff Signature	Date
Provider / Dentist Signature	Date

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