

# AI In Dental: How Can It Work For You?

## WHO IS SHE?



- Journalist for around 30 years
- Corporate writer over 20 years
- Former business editor
- Publicist for 20 years
- Book publisher for 8 years (also dabbled in newspapers & magazines)
- Entrepreneur all my adult life
- Trainer last 8 years and more...

**AI EVANGELIST | SPEAKER | HOST  
MARKETING TRAINER  
MARKETING STRATEGIST**



# Unleash The Power Of Your Words

Excalibur Press is a marketing and business consultancy specialising in media, communications, PR, mentoring, ideation and thought leadership strategy and delivery.

From working with start-up entrepreneurs to established companies and 6-figure turnover firms the team at Excalibur Press can nurture you and/or your business through all stages of your enterprise or entrepreneurial journey.

Whether you need a fractional marketing manager, temporary team cover or a permanent solution, at Excalibur Press we're here to relieve the stress and pressure of managing your online and offline reputation.

From general content, digital transformation including website development, social media, video and news to full marketing and communications strategies and business consultancy it's time to take your business back to a consistent, brand aligned approach.

Managing multiple third party agencies (and their various egos) can be exhausting, confusing and, quite frankly, frustrating. With Excalibur Press, that headache's gone – we bring you one robust, joined up strategic approach aligned with your business' objectives and current needs, resources, finances and capacity.

One voice, one strategy and no conflicting advice. No more paying for the same thing twice!

With our internal team supported by our circle of trusted partners you can be sure you're always getting a service we can proudly stand over.



Let Us Transform Your Business →

**EXCALIBUR**PRESS  
excaliburpress.co.uk

# The AI-Driven Dental Practice

## AI is redefining what it means to run a modern surgery

- AI isn't a product - it's an *operational mindset shift*
- Moves from *reactive* admin to *predictive* insight
- Enables faster, more consistent decision-making
- Connects systems: clinical, admin, marketing, and finance
- Turns data you already have into daily operational advantage
- The future-ready practice uses AI to enhance, not replace, human expertise

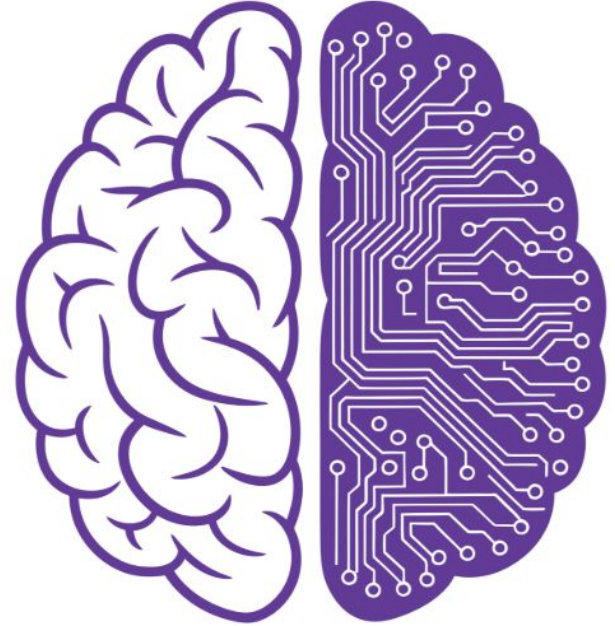




# Understanding How GenAI Works

## Making the invisible visible

- Large Language Models (LLMs) learn patterns, not facts
- They predict the next most likely word or image based on training data
- Data quality, size and diversity determine reliability
- Generative models are great at summarising, drafting, and ideating
- They don't "know" - they simulate human reasoning patterns
- Understanding this helps you set realistic expectations



# Generative AI



**Enables users to quickly generate new content based on a variety of inputs.**

**Inputs and outputs to these models can include text, images, sounds, animation, 3D models, or other types of data.**



Charlie's  
not a bad  
spud!



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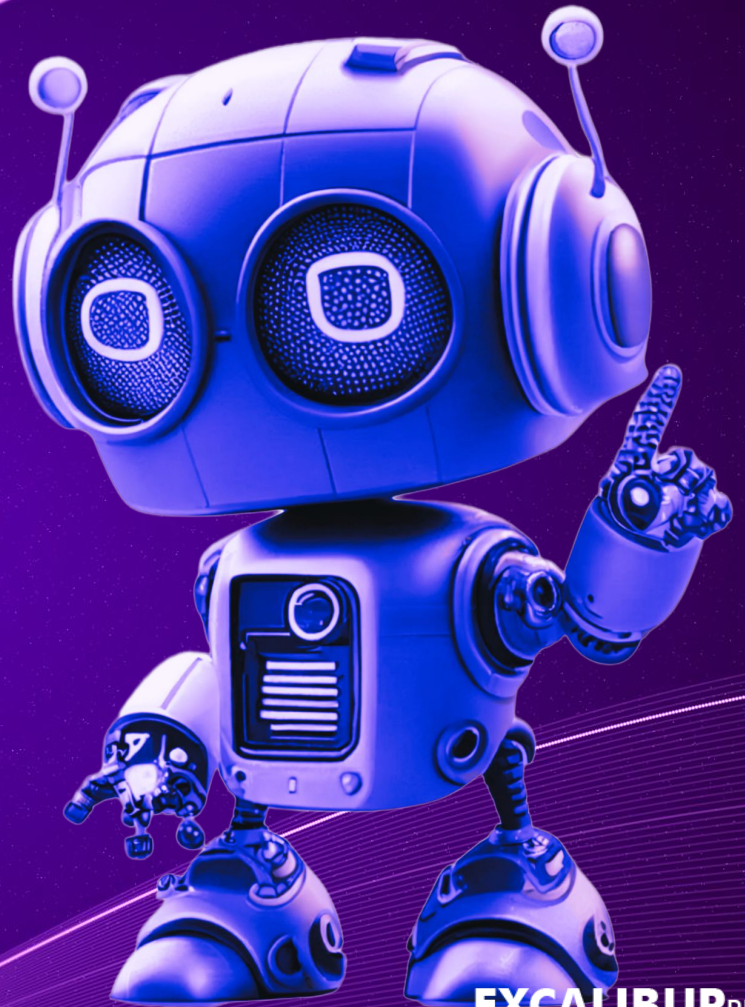
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**The problem will  
be the input**



So...who is  
Charlie  
really?







The intern  
you really  
want!



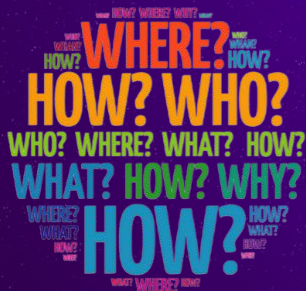
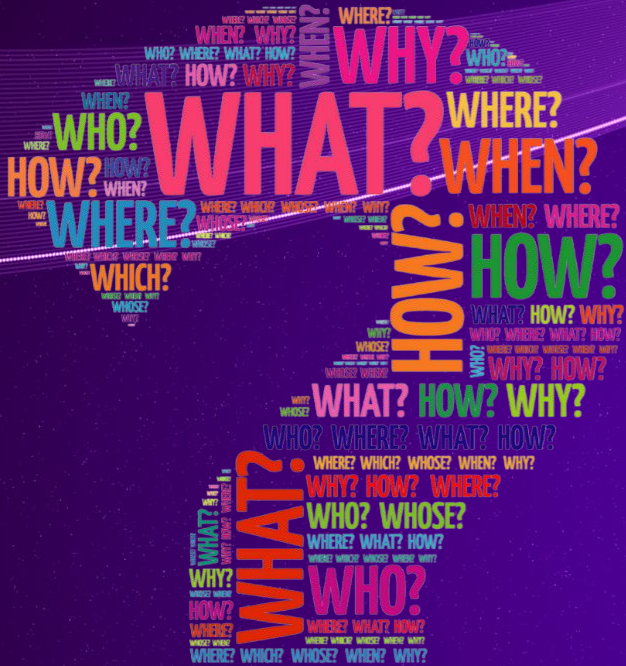


The mentor  
you wish  
you had...



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# A half decent research tool!





# Someone to brainstorm with







**A great  
training  
resource!**

# The colleague you don't have!







The cup of  
coffee you  
didn't get...







The jump  
start you  
needed...





# But it simply can't be you!





# AI In Your Business Operations

# From Tools to Transformation

## Moving from “using AI” to “operating intelligently”

- AI strategy should align with your practice’s goals, not trends
- Think of AI as an *assistant*, not an *add-on*
- Integration > experimentation, one well-used tool beats ten forgotten apps
- Leadership mindset: innovation must be modelled from the top
- Sustainable change comes from process redesign, not tool adoption

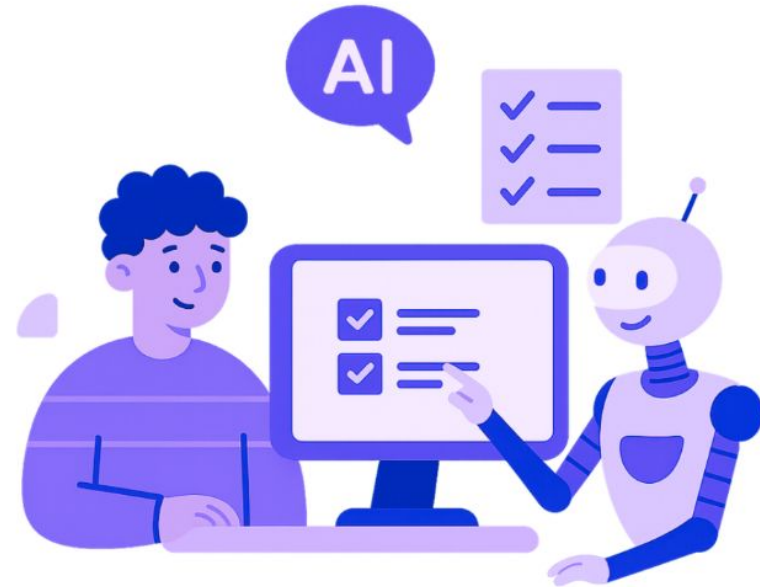




# Automating the Everyday

## Reclaiming time through AI-powered operations

- AI assistants can handle 60–80% of routine admin
- Automate appointment reminders, follow-ups, and consent form prep
- Draft HR docs, SOPs, and patient communication templates in minutes
- Automatically summarise meetings, emails, or patient feedback
- AI chatbots can triage enquiries and direct patients appropriately
- Staff can spend time on high-value human interactions instead



# First Step - GenAI & Learning To Prompt



# PROMPT ENGINEERING

Prompt Engineering is the process of writing clear, specific, and strategic instructions to get high-quality outputs from generative AI systems.

- Think of it as giving your AI the right recipe
- Setting the dials on a smart machine
- Directing an actor with a script and tone

Principle	What It Means
Clarity	Be specific about what you want – vagueness = weak output
Context	Give the AI background or purpose if needed
Structure	Use formatting (lists, bullets, headings) to guide responses
Brevity	Keep it short and focused (but not too short!)
Tone Control	Tell it the tone/voice/format you want
Iteration	Don't settle for the first try – refine your prompts



# Prompt Framework

**WHO: Persona Specification**

**HOW: Presenting The Information**

**OBJECTIVE: Purpose & Goals**

**STYLE: Tone & Writing Style**

**SPECIAL CONSIDERATIONS**

**EXPECTATIONS: Anticipated Outcomes**

**BACKGROUND: Contextual Foundation**

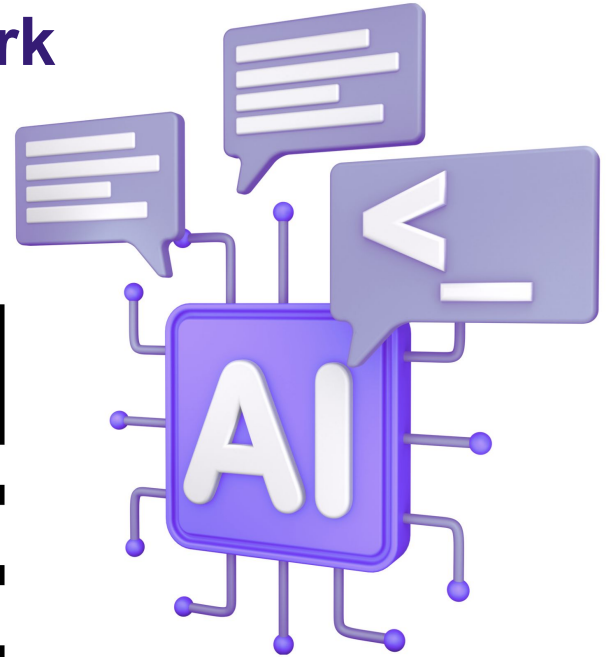


# Get Access To Our Prompt Framework

[bit.ly/AIPromptRequest](https://bit.ly/AIPromptRequest)



Scan QR code to fill  
in request form



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## Don't Forget To Ask Questions!

Always ask your AI for further context or information:

- Can you add anything else to the above answer?
- Can you confirm that you have used all the source material to create this answer?
- Can you tell me if you made up any examples or are they based on real life examples?
- Do you think anything is missing from this answer?
- Can you explain your answer further?
- What questions would you like to ask me to improve your answer to the last prompt?



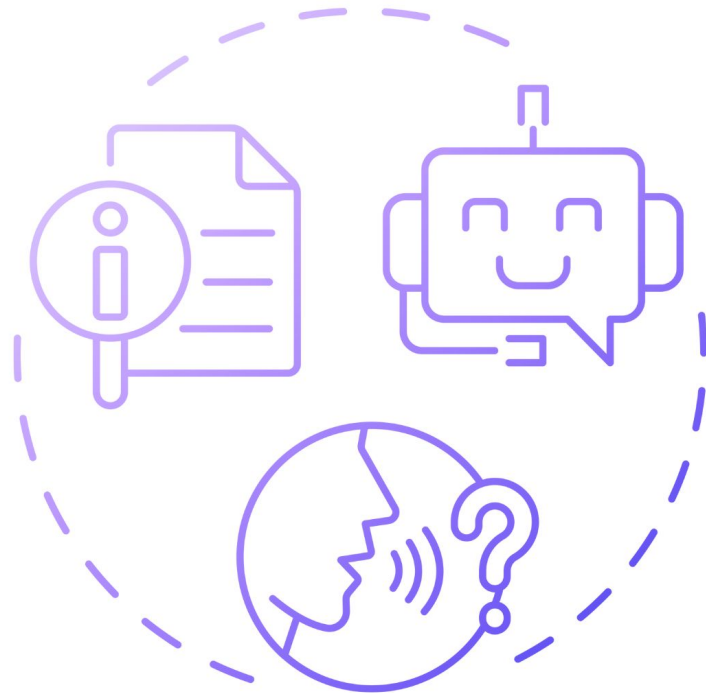


## Should You Speak to AI Like a Human?

Yes, but with intention.

While it's true that writing in a conversational tone can make prompting more natural (especially for beginners), it's also true that every word - including pleasantries like "please" or "thank you" - uses up tokens.

So the key is finding the right balance between clarity, friendliness, and efficiency.



# Tools To Supercharge Your GenAI Journey



## ChatGPT & DALL-E

A conversational AI tool that generates human-like text based on the input it receives.

Helps entrepreneurs with customer service, content creation, and ideation.

[chat.openai.com](https://chat.openai.com)

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# DALL-E

An AI tool that generates images from textual descriptions.

Facilitates the creation of custom images for marketing and product design.

[openai.com/index/dall-e-3](https://openai.com/index/dall-e-3)



## Other Large Language Models



Copilot



perplexity

LLaMA  
by  Meta



Claude

# Midjourney

An AI platform for generating high-quality, imaginative images based on text prompts.

Helps in creating unique and visually appealing images for marketing and branding.

[midjourney.com](https://www.midjourney.com)



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AI platform by Google for natural language processing tasks. Assists with advanced conversational capabilities and language understanding.

[ai.google.com/research/NaturalLanguage/Gemini](https://ai.google.com/research/NaturalLanguage/Gemini)

T

I want you to check my inbox and I want you to tell me how many emails alexandra@excaliburpress.co.uk either sent to me or replied to me in during August



I checked your inbox for emails where Alexandra Feher was either the sender or a recipient in August and found a total of 17 emails.

✓ Sources (11)



## Otter.ai

An AI-powered transcription service that converts spoken language into written text.

Helps entrepreneurs with meeting notes, interviews, and transcription of audio content.

[otter.ai](https://otter.ai)



### Minutes From Staff Meeting

T Tina Calder | Aug 27 at 8:20 am | 12 min | Copy Summary

Summary Transcript



AI-powered logo and branding design tool.

Simplifies the process of creating a professional brand identity.

[looka.com](https://looka.com)

# Excalibur Press GPTs



## Event News Article Writer by Excalibur Press

By Excalibur Press   +1

Turn your event information into a news article! It's important to include as much info as possible about your event. Simply copy and paste everything you have, upload any posters, graphics, PDFs, or docs that might help. The more info you provide, the better the final article will be.




### Creating Your Customer Personas by Excalibur Press

Welcome to our Creating Your Customer Personas GPT by Excalibur Press. To...  
By Excalibur Press  7



### Event News Article Writer by Excalibur Press

Turn your event information into a news article! It's important to include as m...  
By Excalibur Press  30+

## GPTs

Discover and create custom versions of ChatGPT that combine instructions, extra knowledge, and any combination of skills.

 excalibur press

<https://chatgpt.com/g/g-6PEEIa8QE-event-news-article-writer-by-excalibur-press>

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AI presentation maker for creating professional slides.

Simplifies the creation of visually appealing presentations.

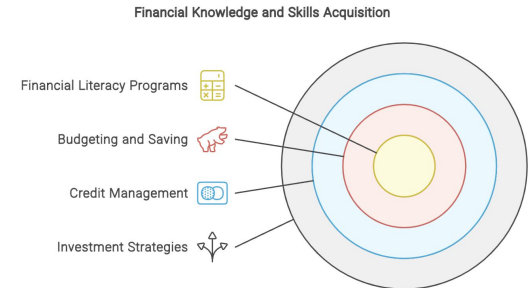
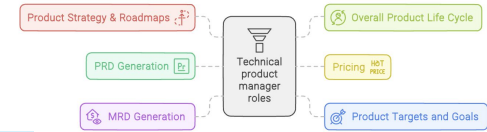
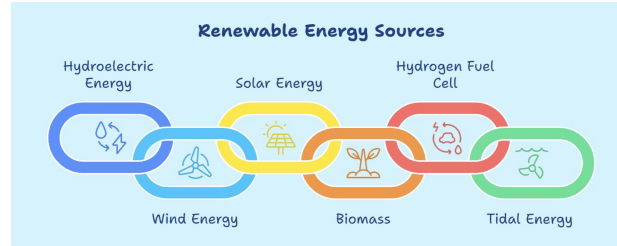
[app.prezo.ai](https://app.prezo.ai)

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Free site that allows you to generate charts, diagrams, flowcharts, infographics, and video snippets.

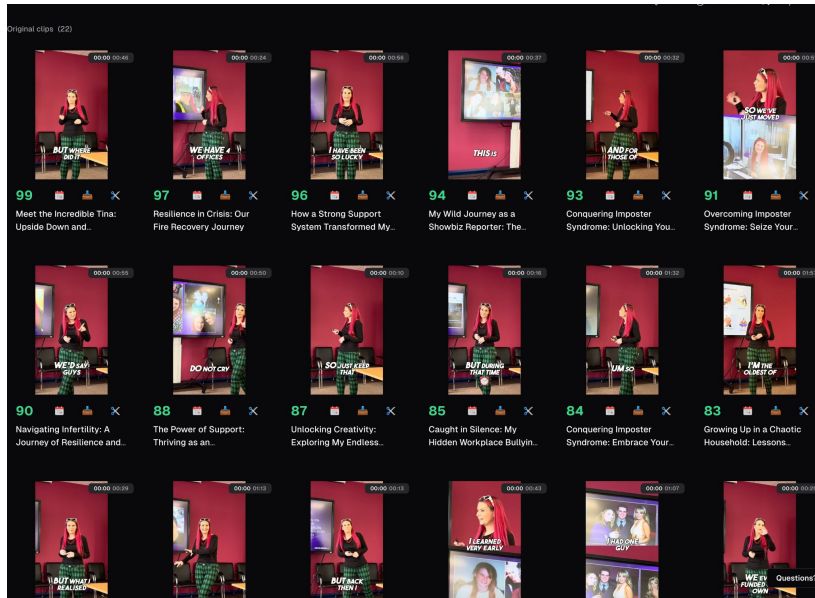
[www.napkin.ai](https://www.napkin.ai)





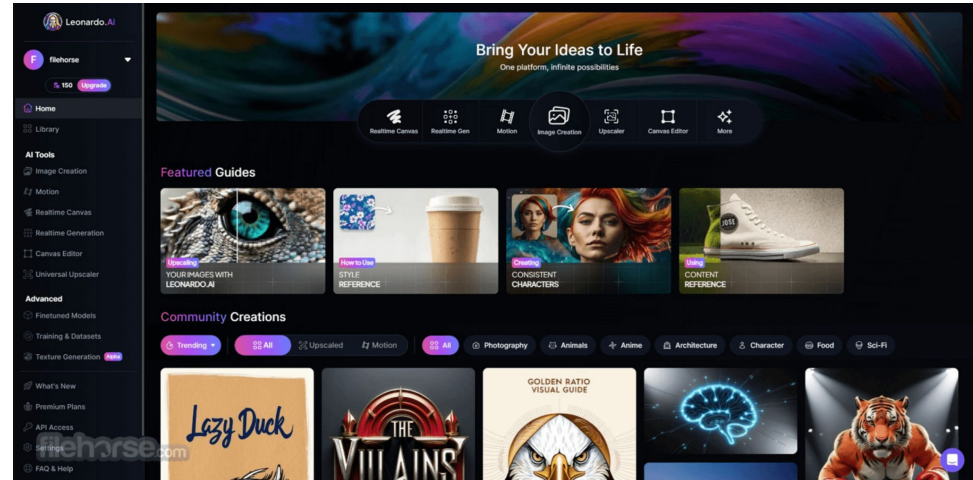


OpusClip is a gen AI video repurposing tool that turns your long videos into viral short videos.

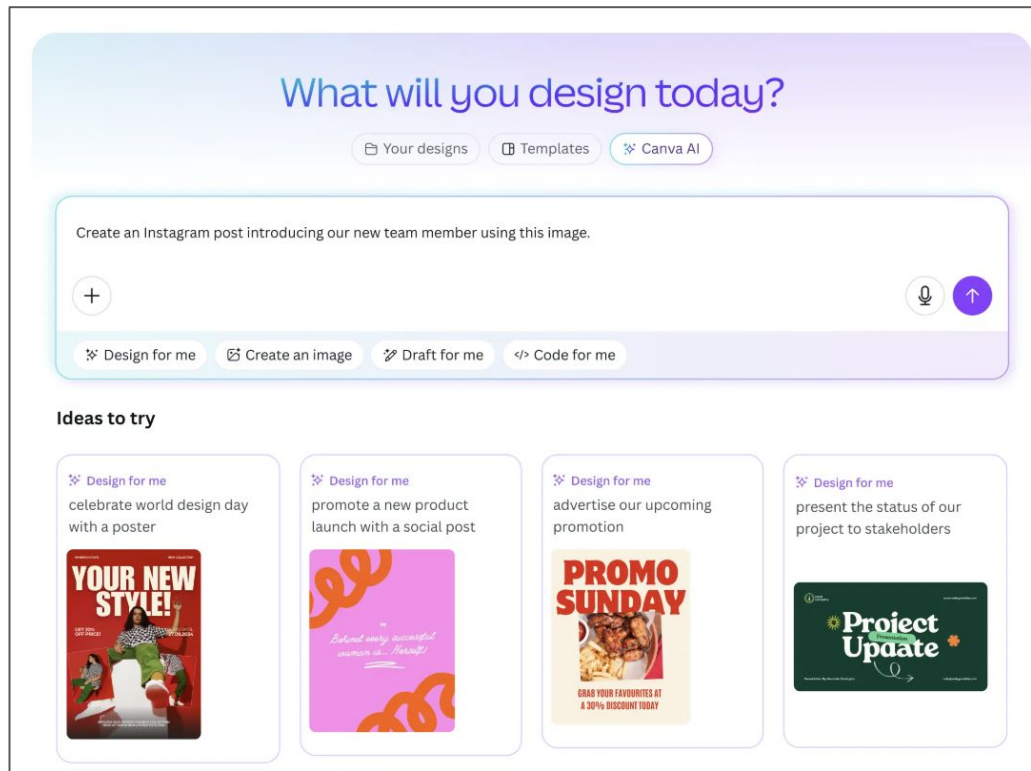
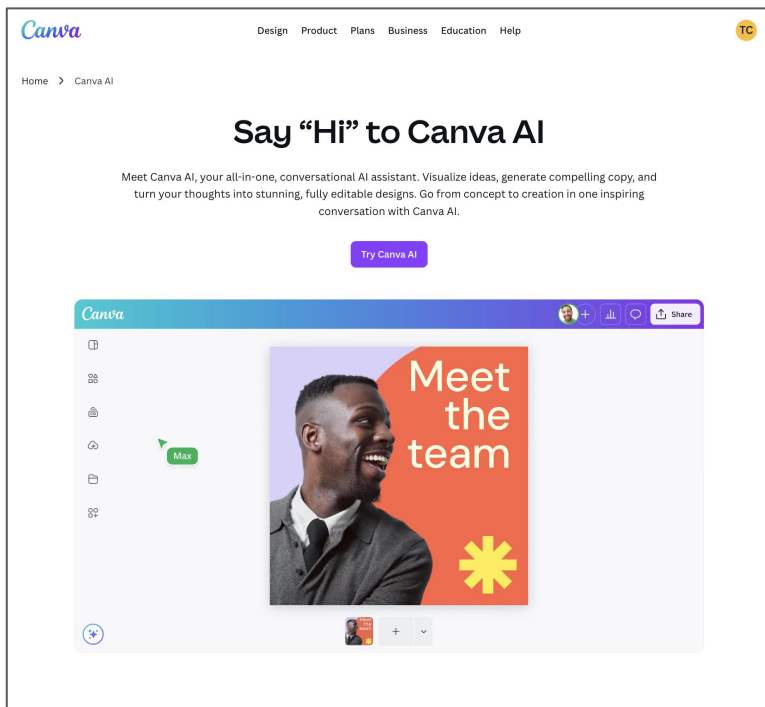


Leonardo.Ai

Leonardo.Ai is a generative AI platform that allows users to create high-quality images, illustrations, videos, and 3D textures from text prompts.



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Fast forward creating marketing assets by getting the back broke of the initial design

MY FAVOURITES

Gemini

Napkin  
beta



ChatGPT



perplexity

Otter.ai



Claude



Canva  
AI TOOLS

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## Generative AI: The 250 vendors automating content, code, and design

**Generative AI: The 250 vendors automating content, code, and design**

**Visual media generation**

- Images & NFTs: ROBERTA, OpenAI, Midjourney, DALL-E, Stable Diffusion, NightCafe, Replicate, RunwayML, Pika Labs, etc.
- Enterprise AI avatars: Synthesia, HeyGen, D-ID, etc.
- Synthetic training data: Synthesia, HeyGen, D-ID, etc.
- Consumer social: Refractor, etc.

**Text generation**

- Social media & marketing content: Jasper, Copy.ai, Anyword, etc.
- Open dialogue agents: OpenAI, etc.
- Text summarization: OpenAI, etc.

**Speech & audio generation**

- Voice synthesis & cloning: ElevenLabs, etc.
- Code generation: GitHub Copilot, etc.
- Industry-specific generative applications: Various vendors for specific industries.
- Cross-industry generative interfaces: Various vendors for cross-industry use.

**Visual media generation**

- Images & NFTs: OpenAI, Midjourney, DALL-E, Stable Diffusion, NightCafe, Replicate, RunwayML, Pika Labs, etc.
- 3D assets: Blender, etc.
- Lip sync & video personalization: HeyGen, etc.
- Synthetic anonymization: Synthesia, etc.
- Graphics & product design: Adobe, etc.

**Enterprise AI avatars**

- Hyper-real deepfake videos: HeyGen, etc.
- Visual ads & marketing: OpenAI, etc.
- Motion capture animation: OpenAI, etc.

**Synthetic training data**

- Consumer social apps & tools: OpenAI, etc.
- Photo & video editing tools: OpenAI, etc.

**Text generation**

- Social media & marketing content: Jasper, Copy.ai, Anyword, etc.
- Sales email & outreach: OpenAI, etc.
- Customer support: OpenAI, etc.

**Open dialogue agents**

- Text summarization: OpenAI, etc.
- Personal writing & storytelling: OpenAI, etc.
- Cross-functional (API access): OpenAI, etc.

**Speech & audio generation**

- Voice synthesis & cloning: OpenAI, etc.
- Voice dubbing: OpenAI, etc.
- Music generation: OpenAI, etc.





## Linguistic Creativity

### ALL-Purpose Text Generation



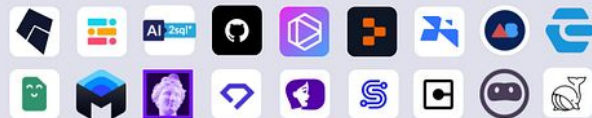
### Marketing & Sales Copy



### Text Optimization



### Coding & Web Development



## Musical Creativity

### Sound & Music Generation

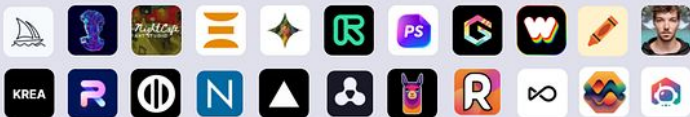


### Voice Synthesis



## Visual & Artistic Creativity

### Image Generation



### Video Generation



### Design

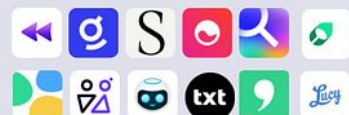


## Scientific Creativity



## Other

### Knowledge Management & Search



### Customer Support & Automation



### Characters



### Gaming



### Erotica



### Market Intelligence



# The Best AI Tools and Software to Try in 2024

## AI Content Creation Tools

**1. ContentShake AI**  
Simplifies content creation by combining generative AI with real-world SEO data from Semrush.

**2. Jasper**  
Offers over 80 templates to streamline your content creation process.

**3. The AI Social Content Generator**  
Helps you create engaging social media posts, captions, and hashtag advice in minutes.

## AI Rewriting Tools and Grammar Checkers

**4. Semrush's Free Paraphrasing Tool**  
Rewrites your original text and paraphrases it completely.

**5. Semrush's Online Proofreading Tool**  
Analyzes your text and provides suggestions to improve clarity and concision.

**6. ContentShake AI Writing Wizard**  
Streamlines your writing process with the help of a Chrome extension and content generation.

**7. Grammarly**  
Assists beyond basic spelling and grammar checks.

**8. Wordtune**  
Helps you improve your writing on the go. It uses natural language processing to understand the context and semantics of the text.

## AI Tools for Ecommerce

**9. Ecommerce Booster**  
Designed to help optimize your Shopify store and boost sales.

**10. Ads Launch Assistant**  
Simplifies the process of launching Google Ads campaigns.

**11. AdCreative.ai**  
Streamlines the creation of high-converting ad content.

## AI Task and Project Management Tools

**12. Asana**  
Streamlines project management easier and improves team productivity.

**13. Any.do**  
Manages tasks and projects for you.

## AI Chatbots

**14. ChatGPT**  
Offers tasks related to writing, data analysis, code generation, brainstorming, and more.

**15. Llama 3 by Meta**  
Understands and responds to complex instructions.

**16. Claude 3**  
Designed for professional use. It's great for tasks like information analysis and content creation.

**17. Gemini**  
Integrates deeply with Google products like Gmail, making it easy to use.

## AI Research Tools

**18. Perplexity**  
An AI-powered search engine and research assistant.

**19. Paperkit**  
Helps people understand research papers. It turns complicated scientific papers into easy-to-understand summaries.

**20. Fillout**  
An online tool that helps you create forms.

## AI Image Generators

**21. Midjourney**  
An AI image generation tool that allows you to create stunning visuals based on text descriptions.

**22. DALL-E 3 (with ChatGPT Plus)**  
Allows you to create highly realistic images from text-based prompts.

## AI Video Generators and Editors

**23. Descript**  
A video editing tool that enables edits through text transcripts.

**24. Wondershare Filmora**  
Simplifies text-based editing systems by turning words in your video's audio to text.

**25. Sora**  
A new AI tool from OpenAI that can create short videos based on what you tell it.

## AI For Voice and Music Generation

**26. Murf**  
A text-to-speech platform that creates realistic voiceovers for videos, podcasts, and presentations.

**27. Suno**  
An AI tool that helps you create music.

## AI Design Tools

**28. Canva**  
Canva goes beyond a typical design platform by incorporating AI to simplify and inspire your creative process.

**29. Adobe Firefly**  
Features in Adobe Creative Cloud apps.

## AI Product Tools

**30. PodQueue**  
Allows you to schedule the most value out of your podcast by helping you generate transcripts, show notes, and even social posts.

**31. Podpage**  
Is specifically designed for podcasters to create and monetize content for their audience.

## AI For Knowledge Management

**32. Notion AI**  
Simplifies your note-taking experience by integrating AI for streamlined information gathering and organization.

**33. Taskade**  
Uses AI to create outlines, organize tasks, and correct ideas using mind maps.

## AI Transcription and Meeting Assistants

**34. Otter**  
Uses natural language processing to transcribe audio files and provide useful insights from recorded conversations.

**35. Fireflies**  
Transcribes meetings across video-conferencing apps, emails, and audio files.

## AI Tools for Sales

**36. Replo AI**  
Uses generative AI to streamline content creation and management for go-to-market teams.

**37. Avoma**  
Helps sales teams streamline virtual meeting transcripts.

**38. Luvendral**  
Helps users write better and more personalized sales emails to improve response rates.

## AI Tools for Customer Support and Customer Service

**39. Zendesk AI**  
Goes beyond a traditional ticketing system by offering AI-powered functionalities to streamline customer support.

**40. Helpdesk**  
Helps businesses handle customer inquiries and issues.

## AI Tools for HR and Recruiting

**41. Attract.ai**  
Assists with resume screening, candidate sourcing, and virtual interviewing.

## AI Coding Tools

**42. GitHub Copilot**  
Provides intelligent suggestions to make developers more productive.

**43. Codium**  
Gives code completion suggestions tailored to your specific context as you type.

## AI Tools for Education

**44. Gradescope by Turnitin**  
Lets teachers upload assignments, whether handwritten essays or computer code, and set up clear grading scales for consistent feedback.

**45. Knewton**  
Personalizes learning by figuring out what a student already knows and what they need to learn.

## AI Character Generation

**46. Canva's AI Character Generator**  
Lets you design unique characters.

**47. Veed**  
Helps you design your own animated characters for videos.

## AI Tools Email Inbox Management

**48. Mailbutler**  
Manages your inbox more efficiently.

**49. Sanebox**  
Helps you tame your inbox by automatically sorting emails.

## AI Tools for Email Marketing

**50. Brevo**  
Allows you to access the most value out of your email marketing campaigns.

**51. Campaigner**  
Designed for businesses to manage their email marketing.

## AI Presentation Builders

**52. Decktopus**  
Automatically generates presentation slides.

**53. Plus AI**  
An add-on for Google Slides and Docs that helps you create and edit content.

**54. Beautiful.ai**  
Helps you create professional-looking slides. It offers hundreds of pre-designed templates to get you started.

## AI Scheduling Tools

**55. Reclaim**  
An app that helps you manage your schedule and workload. It syncs with your calendar and to-do lists to free up everything you have going on.

**56. Motion**  
Manages your tasks and schedule. It creates a daily plan for you, fitting in your to-do around meetings and appointments.

**57. Clockulise**  
Looks at your existing calendar and to-do lists. It then suggests the best times to schedule tasks and meetings.

**58. Luvendral**  
Helps users write better and more personalized sales emails to improve response rates.

# Best AI Tools

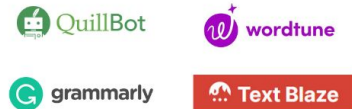
## Content Creation



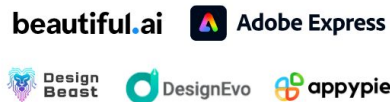
## AI Tools for Marketing & Sales



## AI Proofreaders



## Design Tools



## HR and Business Management



## Project Management & Time Management



## Video Editing & Creation Tools



## Transcription Tools







# The Best 80 AI tools for 2025

- YouTube Tools**
  - Vidyo
  - Wondercraft AI
  - Vocal AI
  - Pictory
  - Steve AI
- Coding Tools**
  - DeepCode
  - Android Studio Bot
  - CodeGig
  - CodeWP
- Productivity Tools**
  - ioni
  - ioni AI
  - IZI
  - Emma
  - GPTBots
  - Bardeen AI
- Daily Life Tools**
  - Spellar AI
  - ELSA
  - Sibly AI
  - Notion AI
  - Taskade
- Writing Tools**
  - copy.ai
  - Copy AI
  - Article Forge
  - Jasper
  - Scalenut
  - Writesonic
- Sales Tools**
  - Writerly
  - Copymatic
  - CoWrite AI
  - ZiNC
  - ZiNC Editor
  - Quillbot
- Content Creation**
  - CopyMagic
  - Writesonic
  - copy.ai
  - WordArt AI
- Chrome Extensions**
  - Firefiles AI
  - Speak AI
  - Ollie AI
  - Glizzmo
  - NoteNinja
- Twitter Tools**
  - TweetsAI
  - Buffer
  - TweetSocial
  - TweetHunter
- Image Tools**
  - Visuali
  - Remo AI
  - Ink
- Marketing Tools**
  - Jasper
  - HubSpot
  - DRIFT
  - SummarAlze
- Social Media Management**
  - Buffer
  - Hootsuite
  - Ocoya
  - Rapidly
  - Canva
- Email Marketing**
  - GrowthScap
  - Growth Space
  - Jasper
  - HubSpot
- SEO Tools**
  - WebScrap
  - HubSpot
  - MozExtract
  - Synthesia
- Music Tools**
  - Alva
  - Soundful
  - Beatoven AI

Made by AI Fire.  
Find the high-quality version at [AI Fire.co](https://aifire.co).

# 100+ BEST AI TOOLS

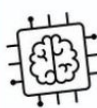
## TO COMPLETE HOURS OF WORK IN JUST MINUTES FOR 2025

@sagarintech  
Learn about Tech & AI

<b>Ideas</b>	Bing Chat, YOU, Preplexity, ChatGPT, Claude	<b>Design</b>	Looka, Clipdrop, Autodraw, Vance AI, Design AI
<b>Presentation</b>	Prezi, Pitch, Popai.pro, Slides AI, Slidebean	<b>Video</b>	Synthesia, Decoher, Nullface.ai, HegGen, Pictory
<b>Website</b>	Dora, Durable, Wecic, Framr, 10Web	<b>Automation</b>	Emplifi, Drift, ClickUp, Outreach, Phrasee
<b>Writing</b>	Rytr, Jasper, Copy AI, TextBlaze, Writesonic	<b>Marketing</b>	AdCreative, Bardeen AI, Houler AI, Predis AI, AdCopy
<b>AI Model</b>	Rendernet AI, Glombase APP AI, APOB, Deepmode, Meshy AI	<b>Twitter</b>	Typefully, Tweet Hunter, Tribescalar, Postwise, Metricool
<b>Meeting</b>	Tidv, Krisp, Otter, Avoma, Fireflies	<b>Code Generator</b>	Refraction, CodeWP, v0.dev, Continue, Codelum
<b>Chatbot</b>	Poe, Claude, Gemini, ChatGPT, Hugging Chat	<b>Speech to Text</b>	FluentAI, Cockatoo, WhisperAI, Addemby AI, Speech Pluse
<b>Blog Writer</b>	Katkeb, Reword, Elephas, Junia AI, Journalist AI	<b>AI Detector</b>	Grammarly BypassGPT, Copyleaks, Wordtune, GPTZero
<b>UI/UX</b>	Galileo, Khroma, Uizard, Visily, VisualEyes	<b>Voice</b>	Udio, Suno AI, VEED.IO, Speechify, Eleven Labs
<b>Image</b>	Dzine, FreePik, Phygital, Stacking.ai, Bing create	<b>Web3</b>	LINK, Spice AI, Adot AI, Althea, Alva



100+ AI TOOLS



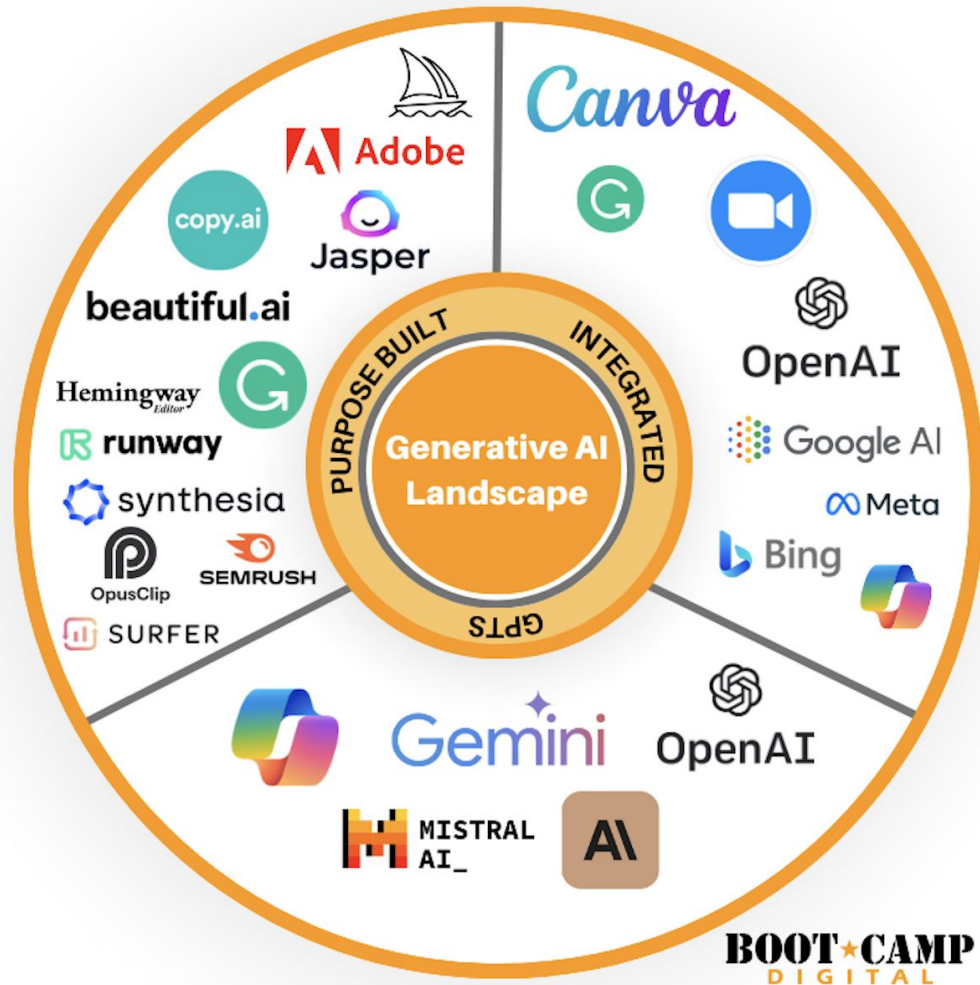
# 40 AI tools for teachers






**DITCH THAT TEXTBOOK**

Adobe GenAI	Microsoft Designer	Curipod	Microsoft Copilot	Question Well	Goblin Tools	FigJam Jambot	Formative AI	KhanMigo	Diffit
ChatGPT	Google Gemini	WeWillWrite	Magic School	Education CoPilot	MirrorTalk	EduAide.ai	Hello History	Claude	Magic Studio
TeachAid	Suno	Conker	Perplexity	Parlay Genie	Grouper	Hey Pi	Quizizz AI	Twee	NotebookLM
Brisk Teaching	SchoolAI	Grammarly	Antimatter Sorcerer	Q-chat	Class Companion	Snorkl	AutoDraw	Ideogram	Padlet

For the full list of tools and descriptions visit [DitchThatTextbook.com/ai-tools](https://DitchThatTextbook.com/ai-tools)



# 24 Mindblowing AI Marketing Tools

 <b>Mage</b> Create beautiful images and GIFs from your text	 <b>RADAAR</b> Magical social media management app	 <b>AITopTools</b> Library of thousands of AI tools in 1 place	 <b>Visla</b> Create videos from text in seconds
 <b>GetMunch</b> Turns your long-form video into short-form bangers	 <b>Upscale Media</b> Increase the size of photos without losing quality	 <b>Captions App</b> Script assistant, auto-captions & teleprompter	 <b>WriteSonic</b> The best alternative to ChatGPT
 <b>Eleven Labs</b> It reads text in your voice with AI	 <b>Durable</b> Create a PRO website in seconds	 <b>Runway</b> Powerful AI tool for any graphic videomaker	 <b>Smartly</b> Write hypnotic marketing copy
 <b>Adobe Speech</b> PRO level sound in seconds	 <b>Movio AI</b> Customisable AI video avatars	 <b>NeuralText</b> Generate infinite content ideas in a few clicks	 <b>Adobe Firefly</b> Advanced & FREE text to art
 <b>Descript</b> Genuinely useful video editing tool	 <b>Crayon</b> Turn your text into graphics instantly	 <b>InVideo AI</b> Turn your ideas into videos with text	 <b>MidJourney</b> Impressively accurate text to image
 <b>ChatGPT</b> No description required. Use it.	 <b>Jasper</b> Write hypnotic marketing copy	 <b>Stable Diffusion</b> Get gorgeous images based on your text	 <b>Notion AI</b> Ultimate organisational tool for yourself



# AI In Practice

# Using data to run a healthier business

- Analyse patterns in cancellations, payments or treatment uptake
- Predicts busy/quiet periods and supports resource planning
- Automatically generates reports for financial or compliance audits
- Identifies growth opportunities hidden in your patient data
- Turns raw spreadsheets into dashboards that tell you what to do next
- Enables evidence-based business decisions



# From Chairside to Cloudside

## The rise of connected, intelligent clinical ecosystems

- Integrates imaging, charting & records into unified workflows
- Chairside scanning connects directly with lab and PMS software
- Cloud-based AI tools continuously learn from collective data
- Real-time clinical support through predictive and generative AI
- In future: multimodal systems combining text, image, and voice data
- Ensures consistent care quality across multiple sites or practitioners

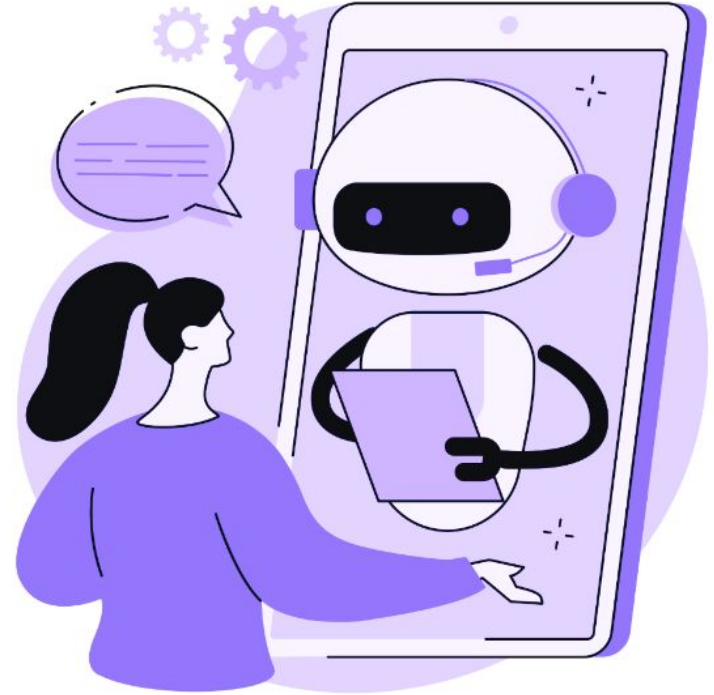




# Smarter Communication, Stronger Connection

## AI can help you talk to patients, not at them

- Generate personalised messages based on patient history
- Translate clinical detail into patient-friendly language instantly
- Maintain consistent tone and empathy across all touchpoints
- Automate review requests and feedback follow-ups
- Use AI chatbots to support anxious or curious patients out of hours
- Reinforce trust with transparent, ethical AI communication



# Smarter Diagnostics, Safer Decisions

## AI can support, not replace clinical judgement

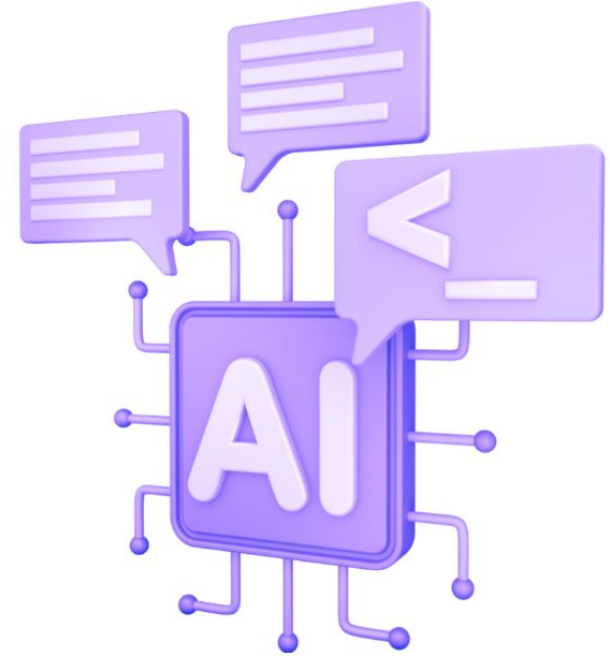
- AI tools already interpret radiographs and CBCT scans with high accuracy
- Early-stage oral cancer and caries detection supported by vision AI
- Predictive models identify at-risk patients based on historical data
- AI triage systems can assist with case prioritisation and referral quality
- Reduces diagnostic variance between clinicians
- Strengthens decision-making through augmented intelligence



# Smarter Teams, Smarter Practices

## Using AI to share knowledge and upskill the whole practice

- Automatically generates SOPs, onboarding guides, and training modules
- Summarises meeting notes and creates task lists for follow-up
- Central knowledge hub for team FAQs, protocols, and guidance
- Helps new staff get up to speed quickly and confidently
- Encourages a culture of shared learning and innovation
- Reduces reliance on one “key person” for information recall





# Keeping Care Human in an AI World

## Technology should enhance empathy, not erode it

- AI can't empathise - but it can support empathetic communication
- Automated tools reduce admin burden, freeing time for human care
- Ensures consistency in tone, language, and inclusivity
- AI-driven translation and accessibility tools break communication barriers
- Must remain transparent: patients deserve to know when AI is used
- Ethics first: accuracy, consent, and data protection are non-negotiable



# Neuro-Inclusive and Ethical Practice Design

## Using AI to support diverse teams and patients

- AI tools can simplify complex information for neurodiverse patients
- Text-to-speech and visual summaries improve accessibility
- Adaptive scheduling or communication preferences reduce overwhelm
- AI can analyse feedback to flag sensory or communication barriers
- Supports neurodiverse staff with workflow planning and time-blocking
- Encourages inclusive, data-informed decision-making



# AI In Practice Tools



BIG NEWS

Overjet Expands Imaging Capabilities with LENS to Help Dentists Better Communicate with Patients. [Learn More](#)



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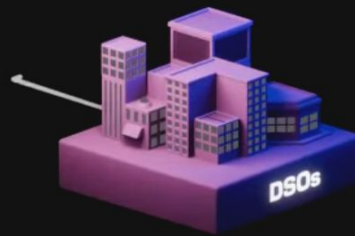
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# DENTAL AI IS HERE



Overjet is the dental AI platform that lets dental professionals put patients first and operate efficiently.

[See it in action →](#)



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[overjet.com](https://overjet.com)

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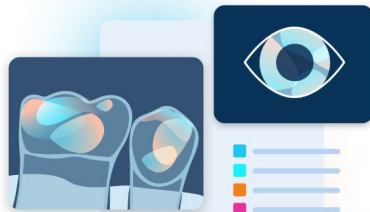
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## Second Opinion®

The first real-time dental AI platform that automatically detects numerous conditions in dental x-rays to give dentists a second set of eyes for superior radiologic accuracy.

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### Features



#### Broad detection capabilities

Dentists using Second Opinion gain a second set of eyes to help ensure that they've considered many common conditions that appear in their patients' radiographs.

That assurance comes from the system's ability to detect signs of various dental pathologies and other treatable conditions found in dental radiographs—including hard-to-spot issues like incipient caries or the early signs of a periapical radiolucency.

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# The Dental AI Trusted by ~50K Clinicians

VideaAI is the AI platform built for modern dental practices and used by 8 out of the 10 largest DSOs in North America. From earlier, clearer diagnostics and faster workflows to scalable coaching and more efficient revenue operations, it helps providers deliver more consistent care, build patient trust, and grow without added complexity.

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Learn more



+ dentalcorp



## Why Clinicians and DSOs Choose VideaAI

VideaAI doesn't replace clinicians — it supports them.

From diagnosis to documentation, it brings clarity to patients, confidence to providers, and visibility to practice leaders.

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Treatment  
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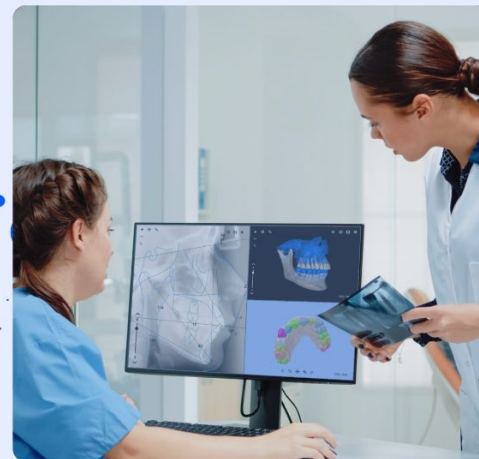
Boost Detection  
Accuracy by  
30%



# Boost Your Ortho Practice With The Power Of AI

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AI-powered Patient Recall for Hygiene, Inactive, and Overdue Patients

Never Lose a Patient to a Missed Call

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For Average Dental Practice Per Month

Missed Calls Answered +700	Front Staff Hours Saved +180hr	New Patient Appointments +25	Additional Revenue +\$23k
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## AI Dental Receptionist

Best Conversational Dental AI Receptionist: Automate Patient Engagement 24/7 and Upgrade Your Dental Practice

Appointment SchedulingPatient EngagementData-Driven InsightsEfficiency and Productivity

Appointment Scheduling

- 24/7 AI receptionist handling calls and texts to automate



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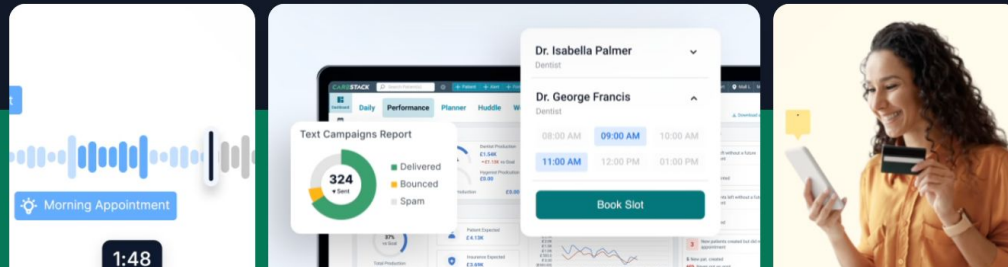
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# AI In Learning

# AI as Your Learning Partner

## Continuous professional development, supercharged

- AI summarises journals, guidelines, and research into digestible briefs
- Custom CPD planning based on personal skill gaps or interests
- On-demand clinical refresher materials and revision quizzes
- AI-driven case simulations for treatment planning or patient communication
- Chat-based “expert assistants” for real-time knowledge checks
- Saves time while supporting reflective and evidence-based practice



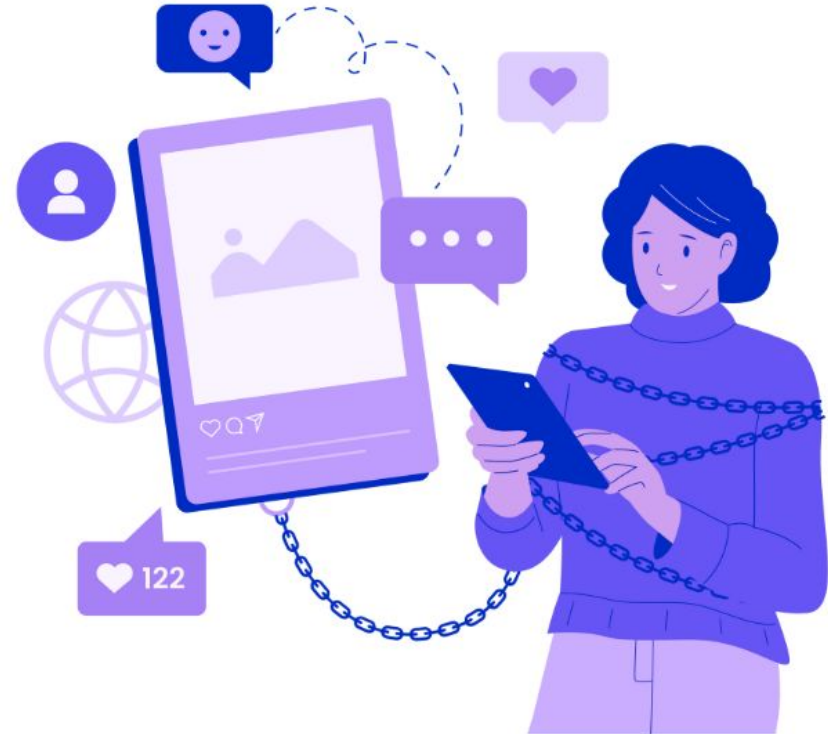
# AI In Marketing



# Ethical, Efficient, Effective Marketing

## Building visibility and trust the right way

- Automate social posts, newsletters, and blogs while retaining oversight
- Analyse engagement trends to identify what patients value most
- Use AI SEO tools to write accurate, compliant web copy
- Track patient sentiment and online reputation automatically
- Combine automation with authenticity — let AI assist, not pretend
- Aligns with GDC standards: honesty, transparency, and respect



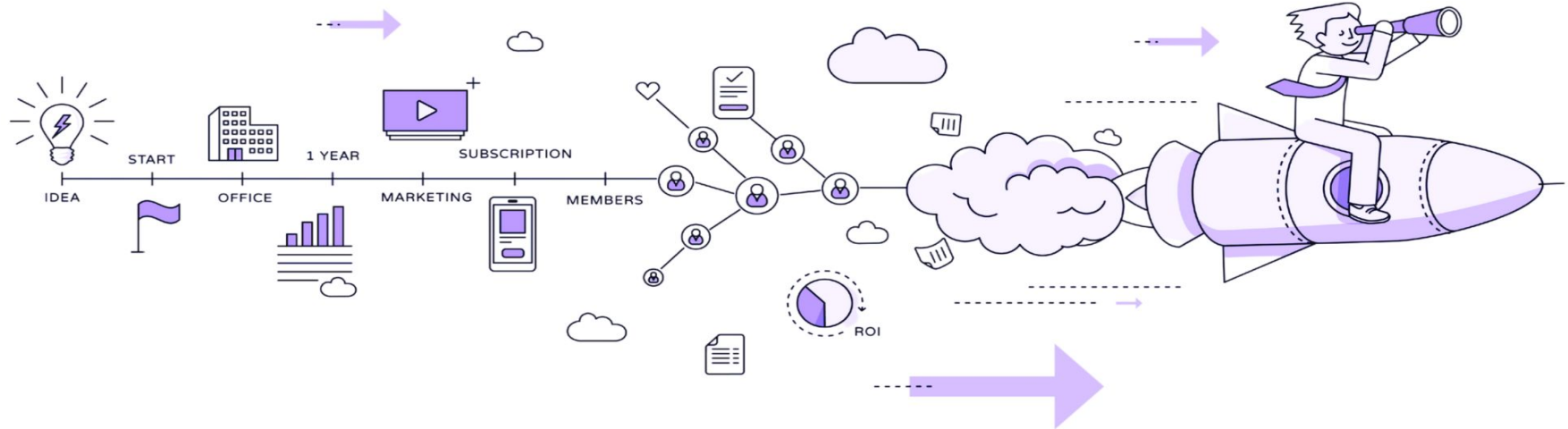
## Integrating AI Into Your Marketing Toolkit

- Using AI is not cheating
- Using it properly can increase your productivity
- It can help to make you more efficient
- Supports continual learning and development
- Can provide a different perspective
- Needs best practices and guidelines for teams
- Must be used with appropriate checks and balances



# The Future Of Marketing

- The question isn't whether AI will become integral to our strategies but rather how quickly we can adapt to harness its full potential.
- It's not just about keeping up, it's about leading the way in innovation, engagement and creativity.



## Verify & Sense Check Your Final Product

Credibility is your currency, make sure you check:

- Cross reference data
- Statistics
- Claims
- Legal references
- Examples or case studies developed by the AI
- Quotes or sources for information
- Whether the information is widely understood or accepted or whether it's a little known concept
- That the information aligns with your product, service or brand





## Don't Forget About Data Protection

- Remember, depending on what country you are in, there will be data protection rules you have to adhere to
- Don't upload sensitive customer information that can be identified unless you have their express permission to do so
- Treat AI like it is a 3rd party contractor or a partner business you are working with and uphold the same standards of data protection you would with them

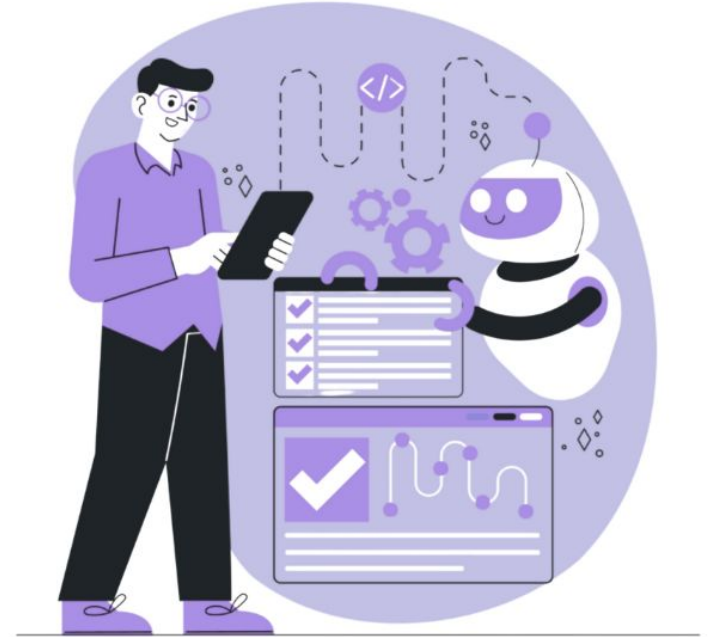


# What Next?

# Getting Started with AI in Practice

## From overwhelm to organised action

- Start small — one workflow, one use case, one success story
- Focus on time-saving or cost-reducing tasks first
- Identify “AI champions” within your team to test and teach others
- Create a simple audit trail: what’s used, where, and why
- Integrate with existing systems instead of adding more tools
- Measure improvement using KPIs: time saved, errors reduced, satisfaction increased



# AUTOMATION & AI

- Are you ready to talk about automation?

Northern Ireland News & Analysis

9th April 2025

THE BRIEF NI

Belfast

12°C

Clear sky

Community

Economy

Education

Environment

Finance

Health

Infrastructure

Justice

Open Data

Local News

Economy

New All Ireland Scholarships Available for Students from Low-Income Backgrounds

8 April 2025 - 3 minutes of reading - By Adam McBride

Economy Minister Dr Caoimhe Archibald has urged A Level and Level 3 Extended Diploma students to apply for the 2025 All Ireland Scholarship Scheme. This initiative, funded by businessman JP McManus, aims to provide financial assistance to high-achieving students from low-income backgrounds who plan to pursue full-time undergraduate courses starting [...]

Infrastructure

New Traffic Calming Measures Implemented in Newry's Park View, Cloughoge to Improve Road Safety

7 April 2025 - 3 minutes of reading - By Adam McBride

Infrastructure Minister Liz Kimmins has announced the completion of a traffic calming scheme in Park View, Cloughoge, just outside Newry. This initiative aims to enhance road safety, particularly for vulnerable road users such as pedestrians and cyclists, by reducing vehicle speeds throughout the village. Details of the Traffic Calming Scheme

Education

New Pay Offer Proposed for Northern Ireland Teachers to End Dispute

7 April 2025 - 3 minutes of reading - By Adam McBride

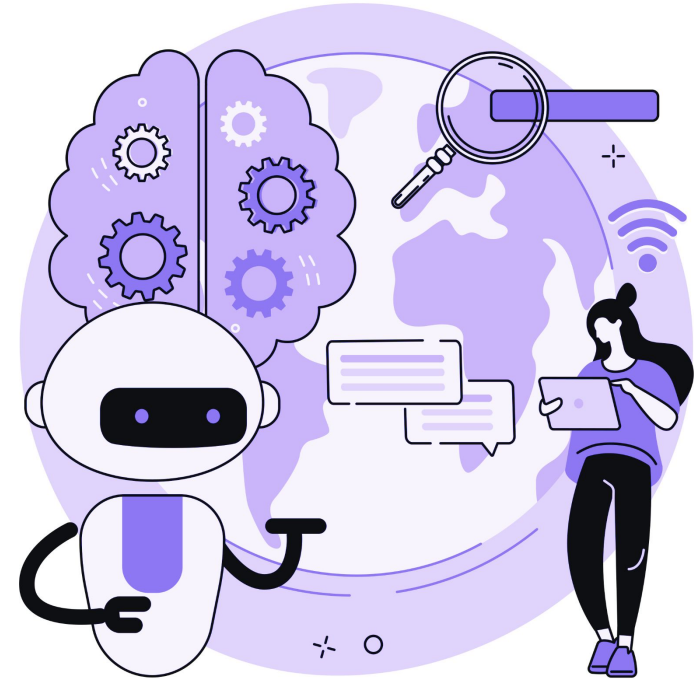
The Management Side of the Teachers' Negotiating Committee has presented a revised pay offer to the Northern Ireland Teaching Council (NITC) aimed at resolving the ongoing industrial dispute regarding teachers' pay. This announcement is significant for educators, parents, and students across Northern Ireland, as it could potentially end the current

Education

New Educational Assessments for Key Stages in Northern Ireland Announced

7 April 2025 - 3 minutes of reading - By Adam McBride

Education Minister Paul Givan has announced a significant change in how Northern Ireland assesses its pupils' literacy and numeracy skills. Beginning in the 2025-26 academic year, new Key Stage assessments will be implemented to evaluate learning outcomes at a system-wide level. This move is crucial as it aims to provide





# Connecting Systems and Automating Intelligence

## How AI integrates into real-world workflows

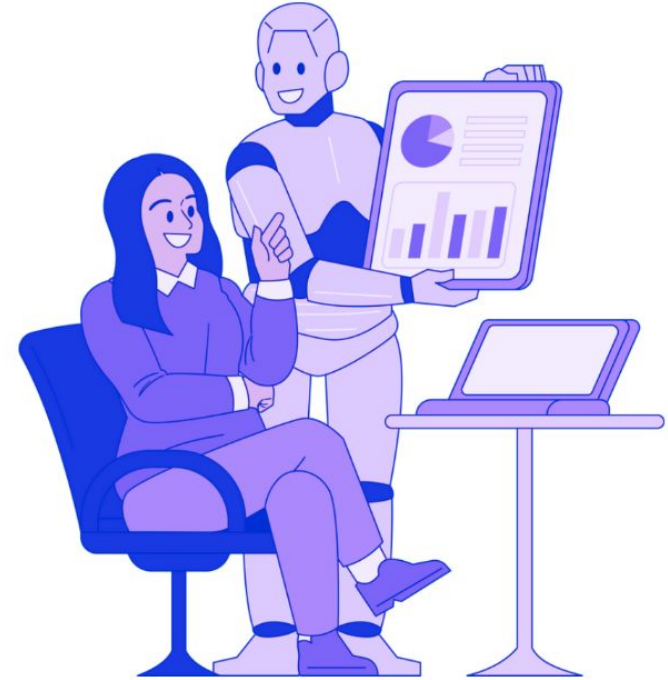
- APIs connect AI tools with practice management software
- Voice and vision models can analyse radiographs or dictate notes
- Multi-agent AI systems handle different functions simultaneously
- Automation platforms (e.g. Make, Zapier) bridge data between systems
- Secure cloud integrations ensure GDPR compliance and traceability
- The next frontier: AI ecosystems that talk to each other



# The Evolving Role of the Dental Professional

## From clinician to data-informed decision-maker

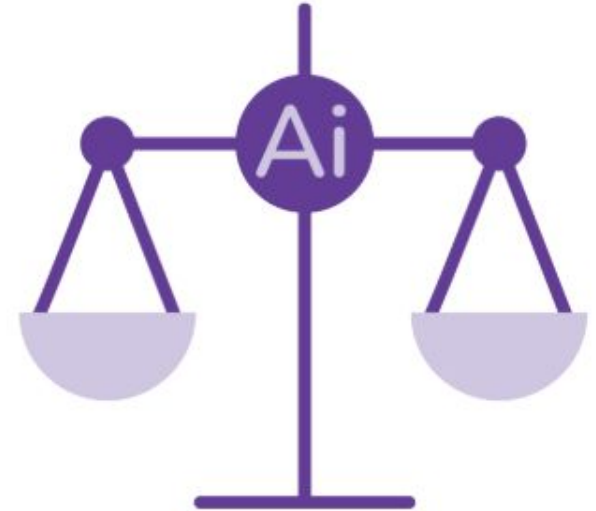
- AI literacy will become a core professional skill
- Clinical and business success will depend on data interpretation
- Dentists will shift from “information gatherers” to “insight translators”
- Collaborative AI systems will support diagnosis and patient planning
- Continuous learning will be non-negotiable — AI evolves daily
- Human judgement remains the final authority



# Regulation, Trust, and the Road Ahead

## Preparing for an AI-integrated profession

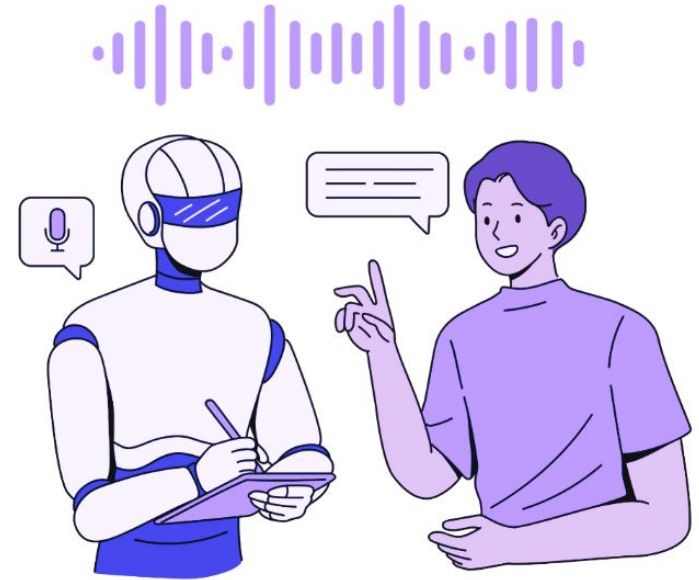
- Regulatory frameworks for AI in healthcare are rapidly emerging
- Expect clearer GDC guidance on AI transparency and accountability
- Data ethics and patient consent are central to compliance
- Continuous validation of AI tools will be required for clinical use
- Practices should begin recording AI usage in treatment workflows
- Building trust means showing patients how AI supports, not replaces, care



# Building an AI-Ready Practice

## Strategy before software

- Define your purpose: why do you want to use AI?
- Map existing workflows to find automation opportunities
- Assess data hygiene - clean, consistent data = better AI results
- Train your team in prompt writing and critical evaluation
- Establish governance: who approves, monitors, and maintains AI use?
- Keep documentation for compliance and accountability







# AI Adoption Workflow Checklist

*QR code for slides comes up again at the end!*

# Vision and Scope

- Define the purpose in one sentence, for example: “Use AI to improve diagnostic consistency and reduce admin time.”
- Set three measurable outcomes for the next 90 days, for example: reduce FTA rate by 10 percent, cut perio charting time by 50 percent, standardise caries detection.
- Choose focus areas for the first wave: Imaging and diagnostics, clinical documentation, patient communications, operations.

# Phase 1: Readiness Scan

- List current systems and versions: PMS, imaging software, CBCT, intraoral scanners, phones, website, email, e-forms.
- Map key workflows that cause delay: new patient intake, X-ray review, perio charting, recalls, finance reporting.
- Identify data sources and owners: who is responsible for each dataset, where it lives, and who can access it.

## Phase 2: Governance and Accountability

- Appoint an AI Lead and a Caldicott-style guardian for data protection.
- Create an AI register: tool name, purpose, data used, lawful basis, risks, mitigations, owner.
- Decide approval gates: who signs off pilots, who signs off go-live, who reviews incidents.

## Phase 3: Compliance and Risk

- Confirm UK GDPR and Data Protection Act 2018 compliance for each tool and complete or update a DPIA where personal data is processed.
- Check MHRA status if the tool claims diagnostic support and verify CE or UKCA or FDA clearance as relevant to the claim.
- Align with GDC Standards for the Dental Team, especially consent, record keeping, candour, and supervision.
- If handling NHS data, confirm DSP Toolkit obligations and supplier assurances.
- Draft patient notice on the use of AI and how decisions are made by clinicians.

## Phase 4: Data Hygiene

- Standardise patient identifiers across systems.
- Clean up inactive or duplicate patient records.
- Set retention rules for radiographs, scans, and transcriptions in line with UK guidance.
- Ensure secure storage and least-privilege access for all datasets used by AI.

## Phase 5: Prioritise Use Cases

- Create a simple 2×2 grid: Impact versus Effort.
- Quick wins: voice perio charting, AI note drafting, recall reminders.
- High impact: radiograph AI for caries and bone level measurements, CBCT segmentation for implant planning.
- Schedule one quick win and one high-impact pilot in parallel.



## Phase 6: Vendor Due Diligence

- Verify regulatory status for clinical claims, including CE or UKCA class and intended use.
- Request a UK DPA, processing locations, encryption standards, and sub-processors.
- Check PMS and imaging integrations used widely in the UK, for example Software of Excellence EXACT, Dentally, R4, SFD, and common imaging suites.
- Ask for calibration guidance, accuracy metrics, known failure modes, and audit logs.
- Confirm exit plan and data portability.

## Phase 7: Technical Integration

- Decide identity and access approach such as SSO if available and role-based permissions.
- Set up secure data flows and API connections between PMS, imaging, and AI services.
- Configure logging, versioning, and rollback for AI-generated outputs.
- Run a connectivity and latency test chairside.

## Phase 8: Pilot Plan

- Define pilot cohort including number of clinicians, room set-ups, and patient types.
- Set baseline metrics such as diagnosis agreement rates, charting time, DNA rate, clinical note duration, case acceptance rate.
- Define success thresholds and stop criteria.
- Obtain staff consent for participation and share the escalation route for issues.

## Phase 9: Training and SOPs

- Deliver role-based training for dentists, hygienists, nurses, front desk, and managers.
- Publish one-page SOPs for each tool covering when to use, how to verify, how to override, and how to document.
- Provide safe prompting guidelines for any generative tool used for notes or patient communications.
- Rehearse scenarios such as AI disagreement with clinician, AI unavailable, patient challenges to an AI-supported finding.

## Phase 10: Clinical Imaging AI Workflow

- Calibrate monitors and ensure image quality standards.
- Configure radiograph AI overlays and thresholds to recommended defaults.
- Establish a two-step review where the clinician reads first, then toggles AI, and documents agreement or disagreement.
- Record disagreements for learning and periodic audit.
- Use AI visuals to aid patient explanation, not as sole evidence for consent.

## Phase 11: Documentation and Scribing Workflow

- Choose voice perio and note-scribe templates aligned to your record standards.
- Set rules for mandatory human verification before saving to the clinical record.
- Add templated phrases for clarity, for example “Generated with AI, reviewed by Dr X.”
- Audit ten notes per clinician in the first month to check completeness and accuracy.

## Phase 12: Patient Communications and Transparency

- Publish a brief “How we use AI” statement on your website and in the waiting room.
- Update consent forms where AI outputs are used to support diagnosis or planning.
- Provide an opt-out route for non-essential AI uses such as marketing automation.
- Train staff on how to explain AI use in simple language.

## Phase 13: Accessibility and Neuro-inclusive Design

- Offer plain-language summaries of clinical information generated with AI.
- Provide text-to-speech and visual aids for treatment explanations.
- Allow preferred communication modes in the PMS such as SMS only, quiet hours, longer appointment notes.



## Phase 14: Cybersecurity and Safety

- Enforce MFA for all AI and cloud tools.
- Disable copying of patient data into unsupported consumer tools.
- Set incident response covering who to contact, how to contain, and who to notify.
- Schedule quarterly access reviews and vendor security attestations.

## Phase 15: Measurement and ROI

**Track these from day one.**

- **Clinical:** change in inter-rater agreement on caries and bone levels, earlier detection rates, referral quality.
- **Operational:** minutes saved per perio chart, minutes saved per clinical note, reduction in admin backlog.
- **Patient:** case acceptance change, review scores, complaints related to communication.
- **Financial:** chairtime reclaimed, additional accepted treatment, reduced remakes or repeat X-rays.

## Phase 16: Scale and Continuous Improvement

- Run a lessons-learned after six to eight weeks and update SOPs and training.
- Extend pilots to a second site or second workflow.
- Introduce quarterly AI governance reviews and an annual DPIA refresh.
- Maintain your AI register and publish a short annual summary to the team.



# Quick-Start by Area

## Imaging and Diagnostics

- Confirm regulatory status, enable overlays, set review protocol.
- Add an “AI support used” tick box in the chart with free text for clinician judgement.
- Conduct monthly calibration and accuracy spot-checks.

## Voice Perio and AI Notes

- Prepare headset, microphone, and room set-up.
- Build a standard phrases library and auto-text rules.
- Perform random audits of transcripts and final notes.

## Patient Communications

- Create templates for recalls, pre-op, post-op, and anxiety-reduction messages.
- Implement an approval workflow before bulk sends.
- Review open rates, response times, and rebook rates.

## Operations and Scheduling

- Use AI to predict high-risk DNA hours and set overbook buffers.
- Flag unscheduled treatment automatically and follow up with templated messages.
- Hold a weekly review of capacity and demand with an AI-generated summary.

# AI risk assessment

Don't forget  
to protect your  
own data too!







**What's my  
take on it  
all?**

# Embracing AI is not optional



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NEWSLETTER

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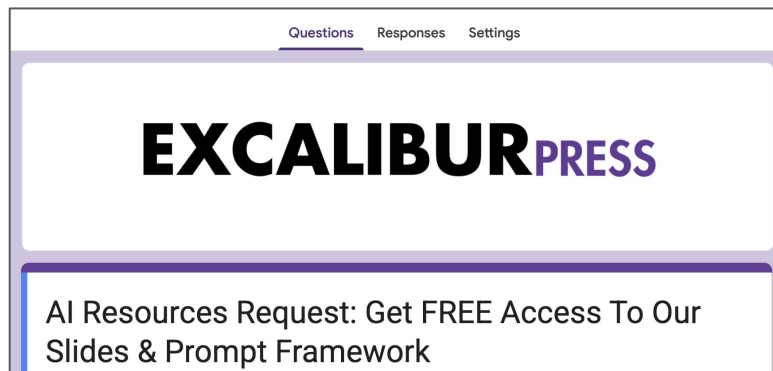


By **Tina Calder**

Publicist | Content Creator | Content Strategist | Sp...

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