

The Digital Resident: **Tireless, Timely and (Almost) Trustworthy**

-Dr Praveen Shastry – KH Manipal.

AI is everywhere. Knowing about AI is no longer optional—it's compulsory. Proper usage of AI has already been proven to save doctors hours of effort every single day. And who better than radiologists—the tech-savvy tribe of medicine—to lead the way? But here's the important part: this isn't just about radiology. It's about every doctor, every specialty, every clinical workflow.

AI is not here to replace us. It is here to augment us. Think of it as the bright, eager resident who never sleeps, never complains and never forgets a guideline. You wouldn't shoo that away. Instead, you'd train it to work with you. That's exactly the relationship we must build with AI.

A Day in the Life with AI

It's a Monday morning. You drag yourself into the reading room, coffee in hand, half your mind still on the weekend. Just as you sit down to tackle the day's pile of cases, you hear the dreaded news—your medical transcriptionist has called in sick. The thought of typing endless reports feels heavier than the coffee mug in your hand. But here's where AI quietly steps in. Voice-to-text systems can convert your hurried dictations into crisp, structured reports in real time. They don't take leave, they don't grumble, and they certainly don't mishear. This is AI at play. Tools like Augnito (Paid)—built specifically for medical-grade reporting—or Otter.ai (Freemium) for meetings, and even Google Docs Voice Typing (Free), are now the silent colleagues who never call in sick.

By noon, you're stuck in a tumor board meeting, where everyone speaks faster than you can jot. The notes you scribble look more like ECG tracings than minutes. AI meeting transcription tools like Otter.ai (Freemium) capture entire discussions, generate searchable transcripts, and highlight key action points. Suddenly, you're free to participate instead of frantically documenting.

In the afternoon, a CME presentation deadline looms. Slides aren't building themselves, and cutting through the jargon of twenty PDFs feels like déjà vu. AI presentation tools like Tome.ai (Freemium) and SlidesAI (Freemium) turn text prompts into slick decks, while summarizers like Scholarcy (Freemium) and

ExplainPaper (Free) distill articles into plain English. You focus on the narrative; the machine takes care of the grunt work.

Later that evening, you open that massive guideline document your colleague shared—a fifty-page brick. Ten minutes in, your eyes glaze over, and “Ctrl+F” feels like your only savior. Enter knowledge tools. NotebookLM (Free) lets you interact with your own documents, pulling answers and insights in seconds. Add in SciSummary (Freemium) or ExplainPaper (Free), and the impossible becomes manageable. The document no longer dictates your time—you do.

Finally, as the day winds down, a manuscript draft stares back at you, still in shambles. Normally, you’d procrastinate. Instead, AI writing assistants step in—Jenni (Freemium) structures your draft, while Humanize (Free) polishes the tone to academic finesse. Suddenly, that “pending” manuscript looks dangerously close to “ready for submission.”

Broadening Horizons, Not Advocacy

It is important to clarify that the tools mentioned here are cited purely as illustrative examples. They represent just a fraction of what is available and are included to highlight the spectrum of possibilities. Many other platforms—some equally effective, others perhaps even better—exist in this space. The intent is not to advocate for any single product, but rather to broaden awareness of how AI can meaningfully integrate into a doctor’s daily workflow.

Why This Matters

Time is the one currency no doctor can ever replenish. Every minute lost to typing reports, digging through PDFs, or building yet another slide deck is a minute stolen from patients, family, or even the rare luxury of rest.

Now imagine if AI quietly gave you back 20 minutes of reporting each day. That’s not just a break — that’s hours each week. If it slashed a three-hour literature review down to thirty minutes, you’ve just reclaimed a weekend. If it spun your lecture deck in a fraction of the time, you’ve earned back an evening.

One case at a time, one doctor at a time, these minutes add up. And then comes the reveal: it isn’t just about saving time. It’s about rewriting how we work. AI is not trimming the edges of our day — it’s redrawing the shape of it.

Conclusion

The future of medicine is not a far-off dream. It is already here, baked into our EMRs, living in our phones, and waiting quietly in our browsers. What began as the playground of radiologists is now a toolkit for every clinician—whether you hold a stethoscope, a scalpel, or a speculum.

So the next time you feel buried under discharge summaries, CME slides, or a half-baked manuscript, remember—

“AI won’t grip the probe or scroll your films — but it will fetch the right slice faster and keep you a pixel ahead of the game.”