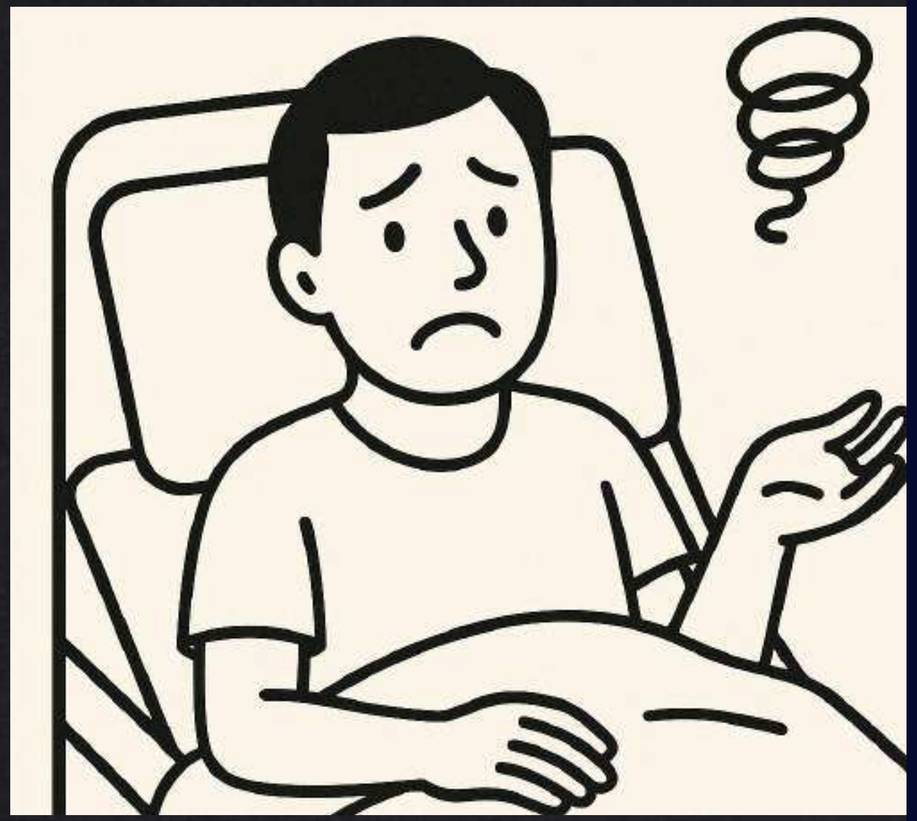
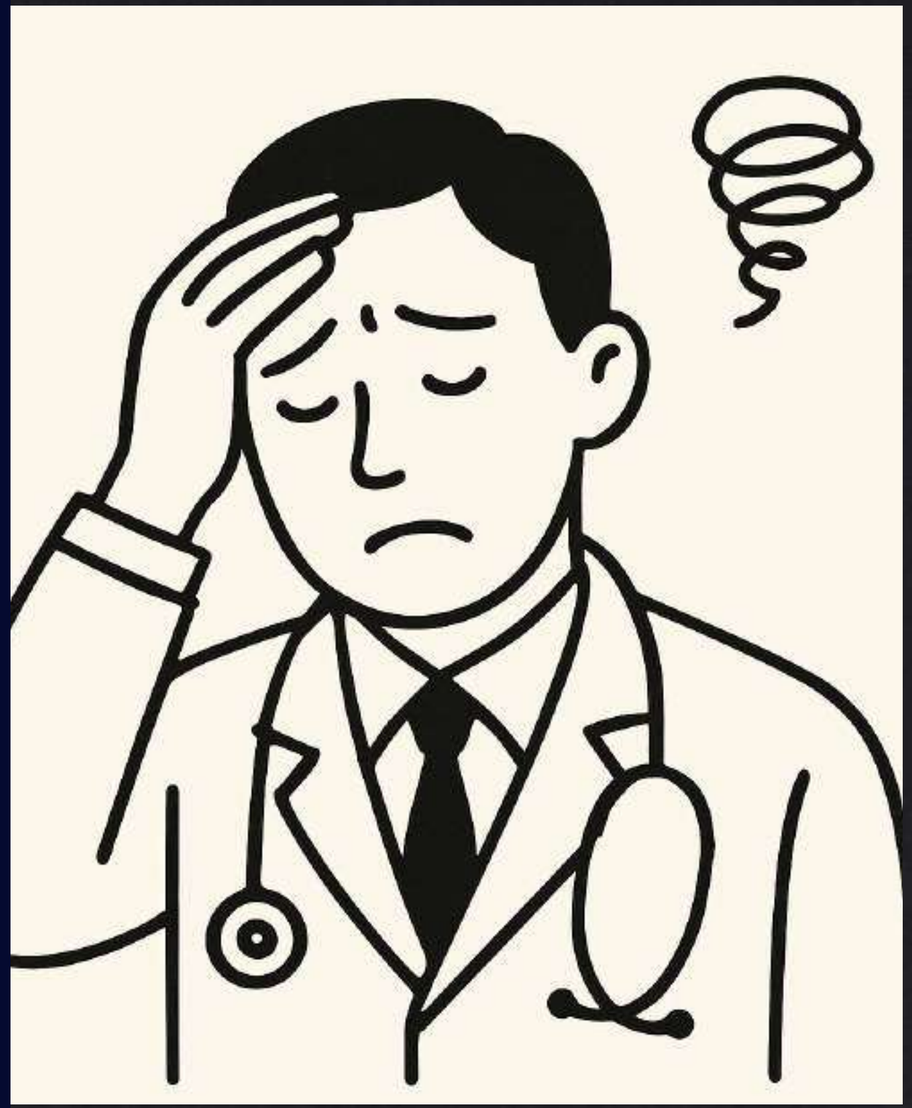
MedIntel – Agentic AI-Based Clinical Trial Recommender System

WHEN STANDARD MEDICINE STOPS, INTELLIGENT SEARCH BEGINS.

The Challenge in Modern Healthcare

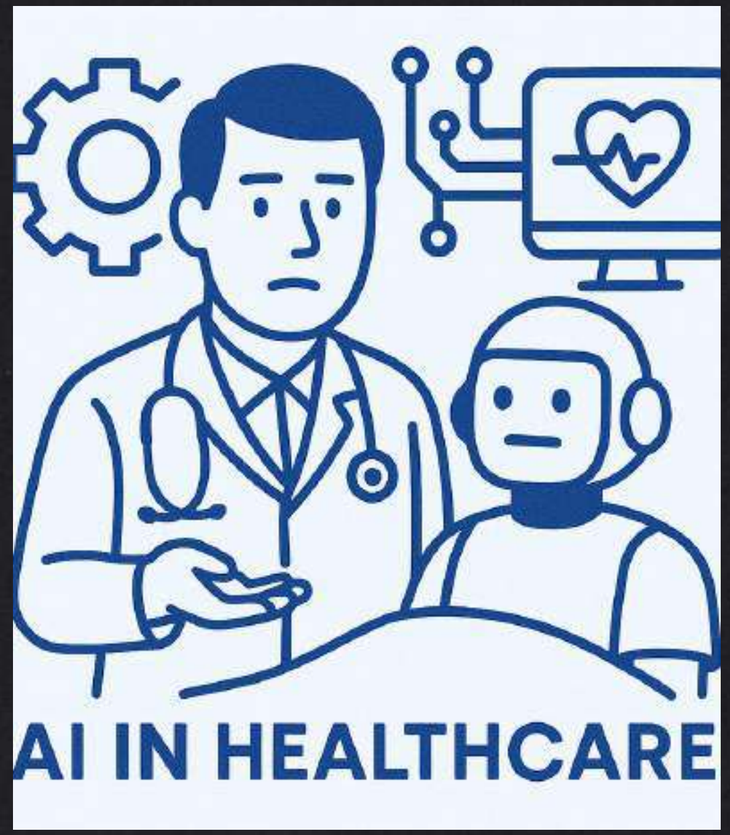


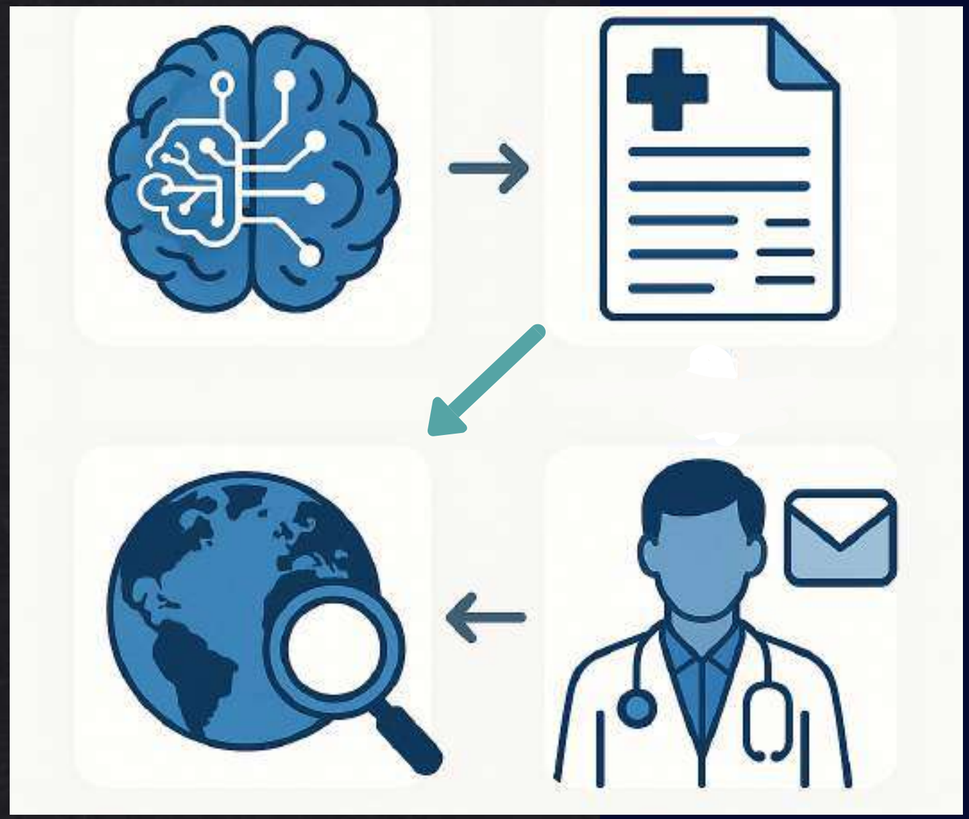
- Patients with rare or terminal diseases often run out of standard treatments.
- Thousands of clinical trials exist — but hard to find the right one.
- Doctors don’t have time or tools to manually match eligibility.



An Agentic AI that Finds Hope in Research

- Reads patient data automatically.
- Searches global clinical trials.
- Uses AI reasoning to calculate match score (%).
- Notifies doctor instantly via email.
- Continuously updates google sheet as new data arrives.

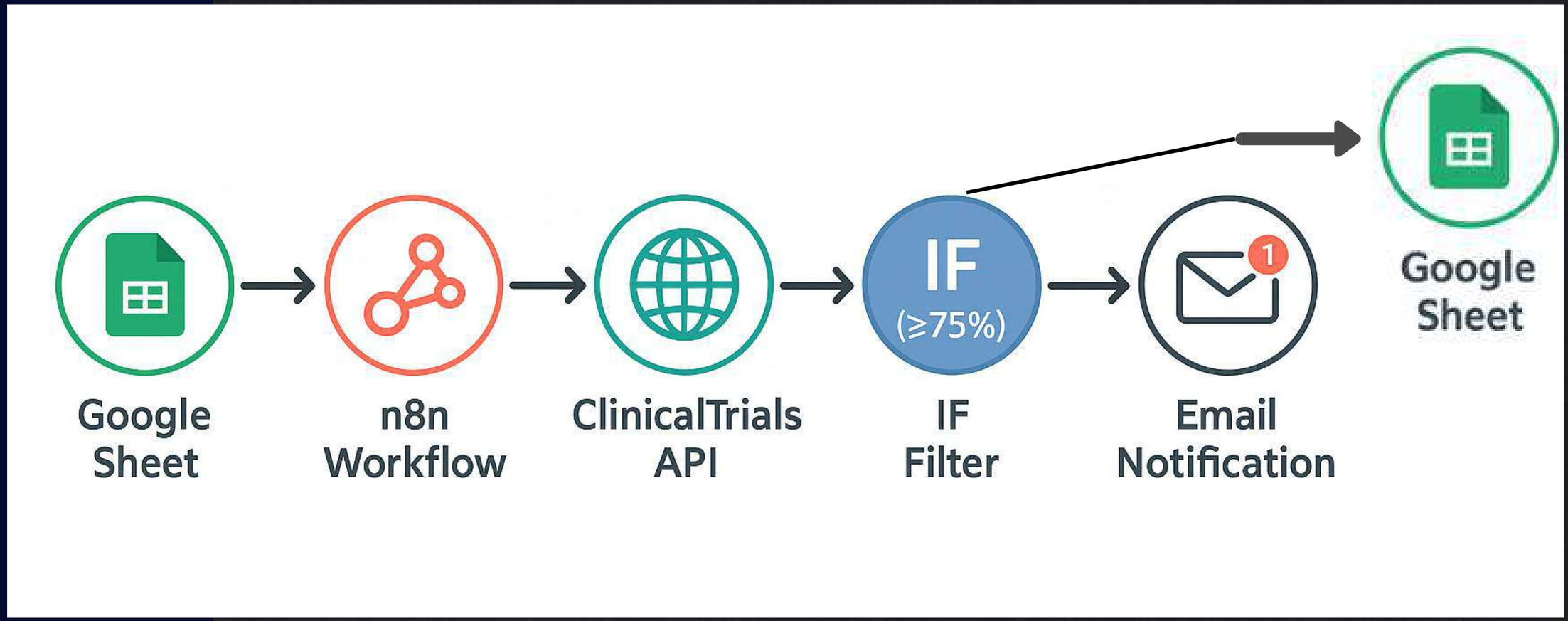


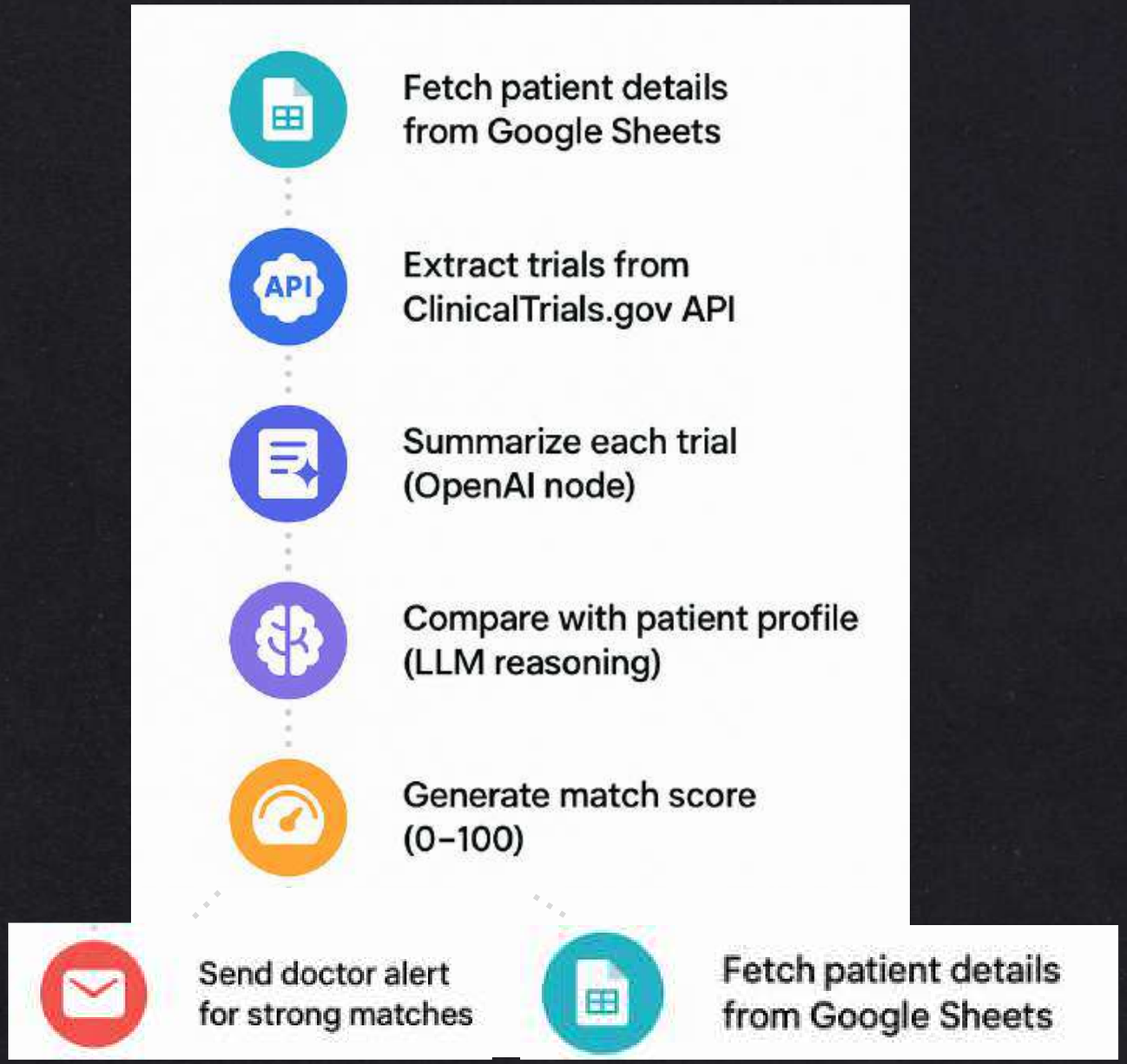


Why This Matters

- Saves research time
- Uncovers hidden treatment options
- Real-time notifications
- Moves toward personalized medicine

How MedIntel Works (n8n Agentic Flow)



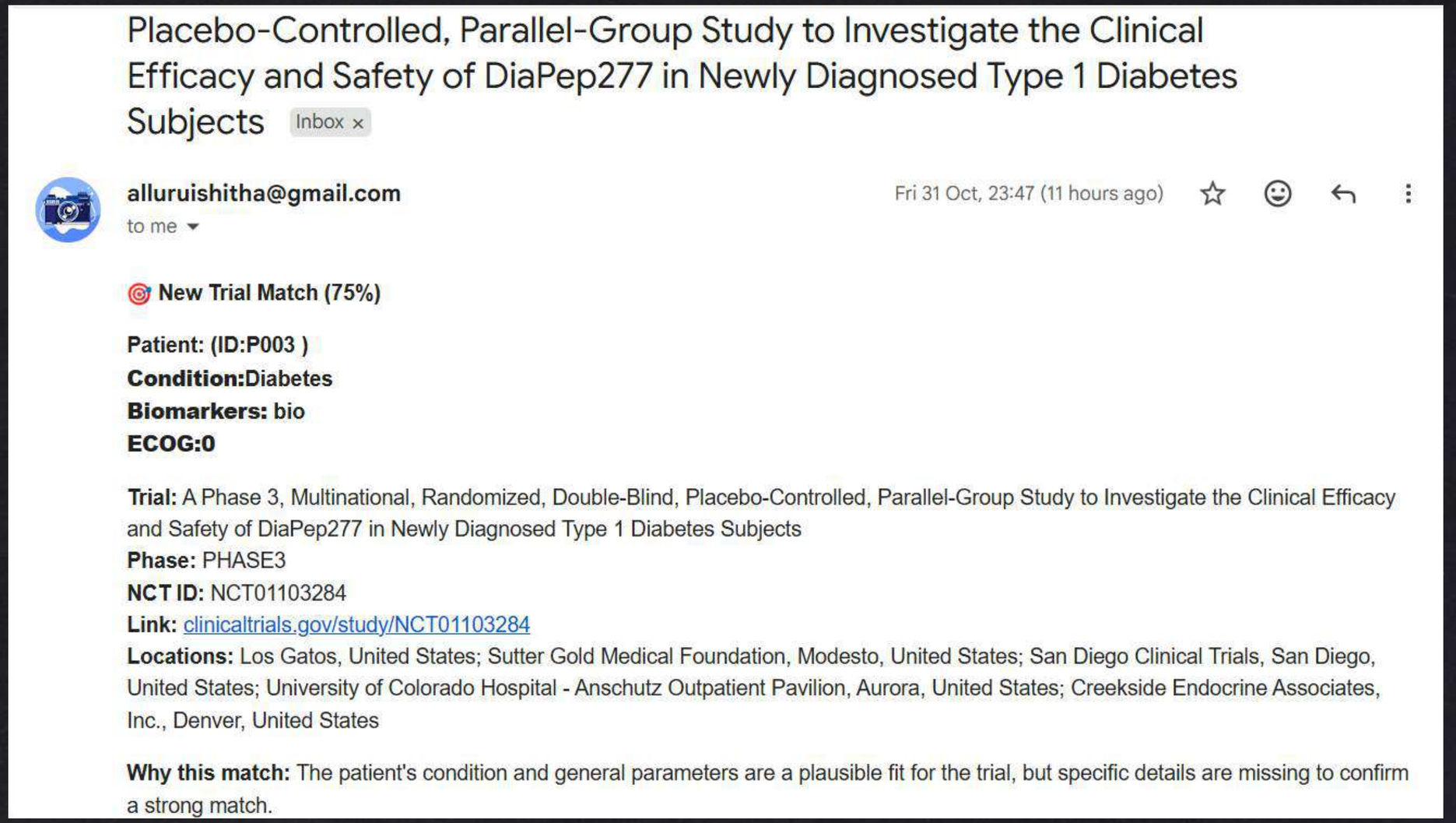


Inside the Automation

An automated AI pipeline that reads patient data, analyzes global trials, and instantly informs doctors about best-matching research opportunities.

Automated Doctor Alert

MedIntel delivers concise trial recommendations with scores and summaries — no manual searching needed.



Placebo-Controlled, Parallel-Group Study to Investigate the Clinical Efficacy and Safety of DiaPep277 in Newly Diagnosed Type 1 Diabetes Subjects Inbox ×

alluruishitha@gmail.com Fri 31 Oct, 23:47 (11 hours ago)
to me

🎯 **New Trial Match (75%)**

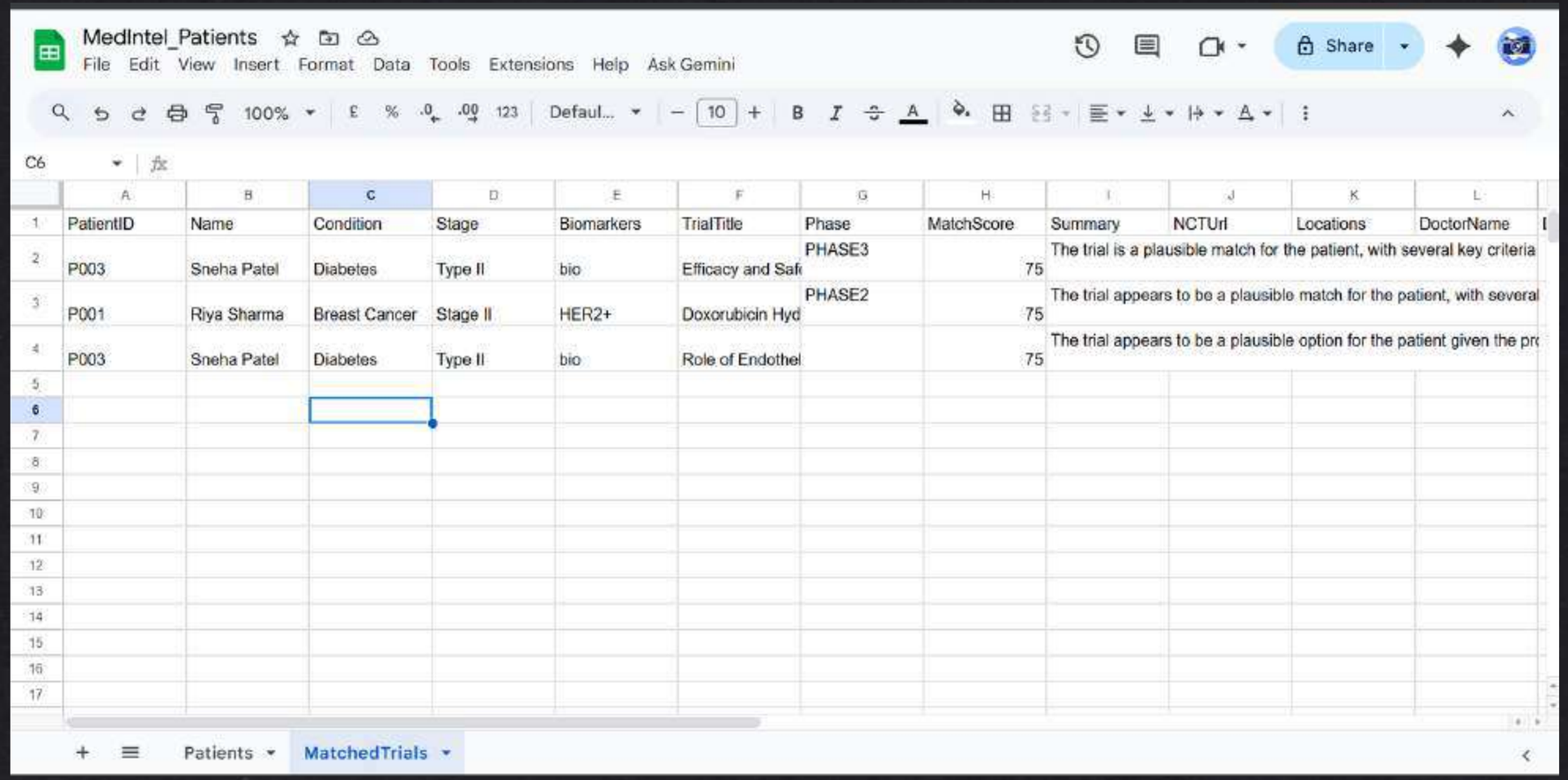
Patient: (ID:P003)
Condition: Diabetes
Biomarkers: bio
ECOG:0

Trial: A Phase 3, Multinational, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Study to Investigate the Clinical Efficacy and Safety of DiaPep277 in Newly Diagnosed Type 1 Diabetes Subjects
Phase: PHASE3
NCT ID: NCT01103284
Link: clinicaltrials.gov/study/NCT01103284
Locations: Los Gatos, United States; Sutter Gold Medical Foundation, Modesto, United States; San Diego Clinical Trials, San Diego, United States; University of Colorado Hospital - Anschutz Outpatient Pavilion, Aurora, United States; Creekside Endocrine Associates, Inc., Denver, United States

Why this match: The patient's condition and general parameters are a plausible fit for the trial, but specific details are missing to confirm a strong match.

Automated Database Update

MedIntel delivers concise trial recommendations with scores and summaries — no manual searching needed.



	A	B	C	D	E	F	G	H	I	J	K	L
1	PatientID	Name	Condition	Stage	Biomarkers	TrialTitle	Phase	MatchScore	Summary	NCTUrl	Locations	DoctorName
2	P003	Sneha Patel	Diabetes	Type II	bio	Efficacy and Saf	PHASE3	75	The trial is a plausible match for the patient, with several key criteria			
3	P001	Riya Sharma	Breast Cancer	Stage II	HER2+	Doxorubicin Hyd	PHASE2	75	The trial appears to be a plausible match for the patient, with several			
4	P003	Sneha Patel	Diabetes	Type II	bio	Role of Endothel		75	The trial appears to be a plausible option for the patient given the pr			
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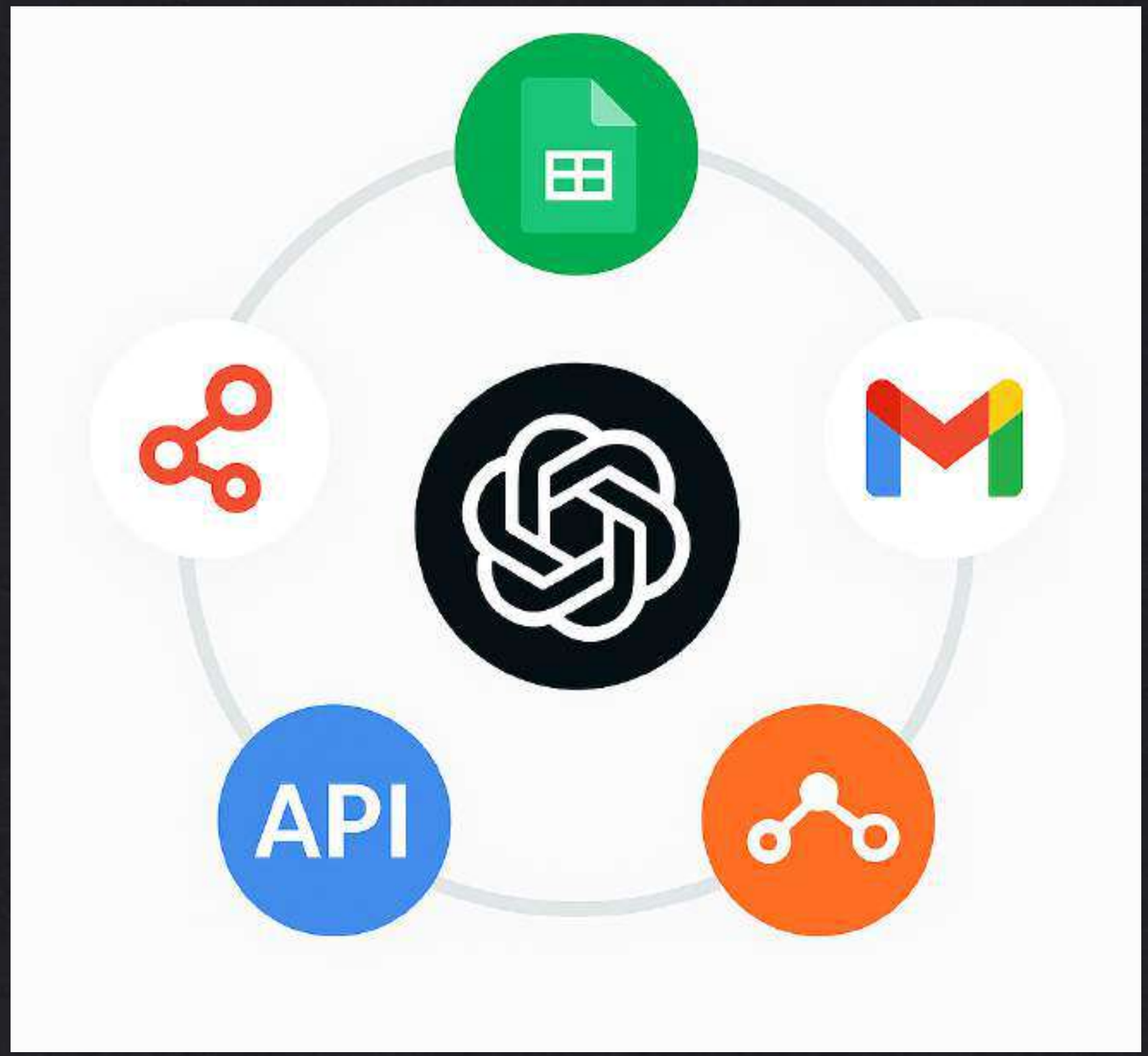
Tech Stack & Tools

Category	Tools
Workflow Automation	n8n (Docker)
AI Model	OpenAI / OpenRouter LLM
Data Source	ClinicalTrials.gov API
Notification	Gmail SMTP
Storage	Google Sheets



Expanding MedIntel

- 🏥 Integrate with hospital EMR systems
- 💡 Add clinical trial recommendation dashboard
- 📊 Build patient-trial analytics reports
- 📱 Deploy WhatsApp bot for doctor queries
- 🌍 Support multi-language trial summaries

CONCLUSION

When knowledge meets automation, new cures become visible.

MEDINTEL BRINGS PRECISION AI TO LIFE-SAVING RESEARCH CONNECTIONS