

NEWSLETTER

HEALTHCARE

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World's first AI-powered primary care diagnostic network launches in China

China's National Health Commission has launched an AI diagnostic network covering 10,000+ primary care clinics nationwide. The system helps diagnose 300 common diseases with 95% accuracy, reducing errors by 40% in trials. It cuts patient waiting time by 60% and is especially beneficial for rural areas lacking specialists. Technology was trained on 50 million medical cases. **(National Health Commission)**

First remote 5G robotic brain surgery completed in Shanghai

Shanghai Renji Hospital performed the first remote brain surgery using 5G and robotic technology, with surgeons 3,000 km away. The 5-hour operation removed a deep-seated tumor with millimeter-level precision via real-time haptic feedback. This breakthrough enables expert surgical care to reach isolated patients instantly. The technology will be expanded to top 50 hospitals nationwide. **(The Lancet)**

Gene therapy cures congenital deafness in first human trial

Fudan University hospital reported the first successful gene therapy for congenital deafness, restoring normal hearing in 5 children. The treatment targets OTOF gene mutations using viral vectors to deliver functional genes to inner ear cells. No serious side effects were observed during the trial. China granted breakthrough therapy designation to accelerate its approval. **(Nature Medicine)**

Traditional Chinese medicine database validates 10,000 herbal formulas

China completed the largest TCM digitalization project, validating 10,000 classical herbal formulas through AI analysis. The database correlates molecular mechanisms with clinical data from 2 million patient records. Researchers identified 37 new drug candidates for conditions like arthritis and Parkinson's. This bridges traditional knowledge with modern evidence-based medicine. **(Chinese Academy of Sciences)**

Portable MRI devices deployed to 10,000 village clinics in China

China has deployed portable low-field MRI devices to 10,000 rural clinics, each costing 90% less than traditional machines. The battery-powered units provide neuroimaging in remote areas with 85% diagnostic accuracy for strokes and tumors. Training local workers to operate them took under 8 hours. This has cut the urban-rural diagnostic gap for neurological emergencies from 40 days to 4 hours. **(World Health Organization)**