

# AI in Action: Weekly Spotlight on Advancements & Applications

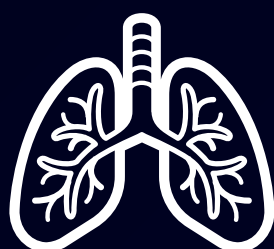
Emily Barnes | 8th - 14th December 2024

The Australian Federal Police (AFP) is using AI to sift through vast amounts of data from sources like seized phones, child exploitation cases, and cyber incidents.

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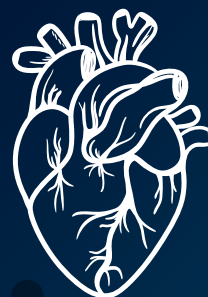
A Farncombe woman's lung cancer was identified within hours using Annalise.ai, an AI tool which scans for areas of concern and advises clinicians of those requiring urgent review.



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A computer-generated heart, or digital twin, is being used to test cardiovascular devices like stents and prosthetic valves which, once proven safe, will eventually be used on real patients.

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Health professionals currently interpret fundus images manually to screen for diabetic retinopathy. But some think that AI could speed up the process and make it cheaper.



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An AI-powered camera is being tested to detect motorists under the influence of alcohol or drugs, enabling police further up the road to stop vehicles and conduct tests.

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Manchester City, in collaboration with Puma and DeepObjects, is letting fans design the team's official 2026-27 third kit using the Puma AI Creator tool. The winning design will be worn by players and sold to fans.



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