



## **AI detection of allergy patch**

### **Why it is important?**

The expense of patch tests, which is approximately \$200, is predominantly attributed to the clinic visit rather than the actual cost of the patch itself. Research has indicated that the fees associated with physician-provided services increased from \$123.36 in 2010 to \$181.90 in 2018. Conversely, non-physician providers offering patch testing services experienced a decrease in cost, declining from a peak of \$6.83 per patch in 2011 to a minimum of \$5.70 in 2014.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8655313/>

### **What is our solution?**

Our aim is to develop a generative AI technology capable of instructing patients on the patch application process and analyzing the patch test results using only photographs taken before and after applying the patch. This innovative approach seeks to improve the overall patient experience by saving time, reducing costs, and providing convenient accessibility for customers.

### **How to implement it?**

Obtaining FDA approval would open up significant market opportunities for companies to distribute patch tests through pharmacies like Al Nahdi and Adware. These tests would become readily accessible to consumers, allowing them to access the tests without the immediate need for a doctor's visit, potentially expanding the market substantially.

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