

## Researchers from Málaga develop a chip to obtain more accurate vaccines and allergy tests

LOCATION: Málaga

DURATION: 1:50

**SUMMARY:** The Carlos Haya Hospital has developed a chip to make more accurate the diagnosis of food allergies. This method, that uses the patient's blood, uses five hundred proteins contained in food to determine with accuracy which is the food suitable for the consumption of patients. The accuracy of this diagnosis, has already been tested in fifty patients, also helps in the development of more effective vaccines as their objective is better defined.

### VTR:

This small chip, that can be barely seen, is a powerful tool that makes food allergy tests. This chip developed by the Carlos Haya Hospital in Málaga, don't use food, it uses proteins to know with more accuracy what the patient can eat.

**M<sup>a</sup> JOSÉ TORRES**  
**Researcher of the Carlos Haya**  
**Hospital**

*"Today a patient who for example is allergic to a food we can withdraw all the aliments that belong to that group, and maybe we withdraw necessary food that the patient can tolerate."*

**LINA MAYORGA**  
**Researcher of the Carlos Haya**  
**Hospital**

*"This is important mainly in kids, because sometimes fundamental food for growth is being withdrawn."*

Blood obtained from the patient is analysed with this chip that contains five hundred proteins extracted from food. This method offers accuracy that can be also applied to the treatment, with more effective vaccines with a more defined objective to fight.

**LINA MAYORGA**  
**Researcher of the Carlos Haya**  
**Hospital**

*"A vaccine can be configured in a personalized way with the proteins that are really affecting their allergy, and this way creating a vaccine which is really effective."*

This chip, still being developed, has already been tested in fifty patients. Although a Sweddish enterprise already introduced this diagnose system in the market, these researchers have been the first ones that have adapted it to the Spanish population, and this is due to differences in the diet.

**M<sup>o</sup> JOSÉ TORRES**  
**Researcher of the Carlos Haya**  
**Hospital**

*"There are chips that work very well for the population of the Middle-European or the Nordic Population, but they aren't useful for the Mediterranean diet."*

A project supported by the Spanish National Allergies Network to improve the diet and the quality of life of patients.

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