

You may have to watch what your fruits and veggies eat

3 September 2014

People with food allergies always have to watch what they eat. Now, they may have to watch what their fruits and vegetables eat, as it seems it's possible to have an allergic reaction to antibiotic residues in food.

An article published in the September issue of *Annals of Allergy, Asthma and Immunology*, the scientific publication of the American College of Allergy, Asthma and Immunology (ACAAI), examines the case of a 10 year-old girl who had an anaphylactic (severely allergic) reaction after eating blueberry pie. Although she had a medical history of asthma and seasonal allergies, and known anaphylaxis to penicillin and cow's milk, she wasn't known to be allergic to any of the ingredients in the pie.

After weeks of testing on both the young girl and a sample of the pie, the article authors decided that what had caused the reaction was a streptomycin-contaminated blueberry. Streptomycin, in addition to being a drug used to fight disease, is also used as a pesticide in fruit, to combat the growth of bacteria, fungi, and algae.

"As far as we know, this is the first report that links an allergic reaction to fruits treated with antibiotic pesticides," said allergist Anne Des Roches, MD, FRCP, lead study author. "Certain European countries ban the use of [antibiotics](#) for growing foods, but the United States and Canada still allow them for agricultural purposes."

The authors note that new regulations from the Food and Drug Administration may help to reduce antibiotic contaminants in [food](#), which will help reduce [antibiotic resistance](#) and may also help reduce this type of event.

"This is a very rare allergic reaction" said allergist James Sublett, MD, ACAAI president-elect. "Nevertheless, it's something allergists need to be aware of and that emergency room personnel may

need to know about in order to help determine where anaphylactic reactions may arise. Anyone who is at risk for a life-threatening allergic reaction should always carry epinephrine. They also need to know how to use their epinephrine in an emergency situation."

Provided by American College of Allergy, Asthma, and Immunology

APA citation: You may have to watch what your fruits and veggies eat (2014, September 3) retrieved 12 October 2022 from <https://medicalxpress.com/news/2014-09-fruits-veggies.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.