A case-based update

"Apples make me itchy!"

Karen Binkley, MD, FRCPC

Age: 35			
7			
Presentation: Over the past six months, Cheryl has			
noticed itchy mouth, lips and throat			
after eating apples, peaches,			
	cherries, plums and pears.		
/ Symptoms are le	essened, but are still present when she eats these		
same fruits with	•		
√ Tolerates apple p	pie and canned peaches without difficulty.		
√ Eats oranges, ba	nanas and mangos without difficulty.		
√ No previous food	d allergies.		
· · · · · · · · · · · · · · · · · · ·	y of seasonal allergic rhinoconjunctivitis with		
symptoms worse	-		
✓ Symptoms are generally well-controlled with an antihistamine.			
 ✓ Never had asthma or eczema, but there is family history of atopy. ✓ Past history is unremarkable. 			
•	nremarkable. n is birth control pill.		
√ Physical exam is	-		
1417 at da	ou suspect?		

		Answer:			
		Oral allergy syndrome with northern tree fruits			
		√ Some individuals who are allergic to tree pollen experience			
		oropharyngeal itching when they consume the fruits of the northern trees,			
	including apples, peaches, plums and pears.				
	The antigen to which they are sensitized is a glycoprotein present in both the				
			fruit and pollen of the northern trees.		
Tor	tla arma	trace front	√ The glycoprotein is heat-labile and easily		
Nor	mern i	iree jruii	destroyed by processing or heating; this explains		
1 V ali	lergy i	tree fruit s not usually	why these individuals can tolerate cooked		
			apples or canned peaches.		
dangerous; avoidance is all that is required.			√ Northern tree fruit allergy is not usually		
		ed.	dangerous, as it rarely leads to significant		
	_		compromise of the upper airway or anaphylaxis.		
		/ ***	√ Avoidance is all that is required.		
 ✓ Skin testing to the food allergens can be done, but is often unne a diagnosis can be made on the basis of history. 			-		
			The state of the s		
	✓ Testing to commercially available extracts of fruits may not be helpful; ha				
	been processed, these antigens may be denatured and yield false-negative skin				
	test results.				
✓ If testing is deemed necessary or helpful in some way, it may have to be					
performed with extracts of fresh fruit.					
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