

Patient ID:



Patient Name:



Date of Birth:



Sample Code:



QR-Code:



Analyzed on:



30/08/2023

Tested Allergens:



295

Test method:



Referring Physician:

Additional Information:

The internal QC (Plausibility check for GD) was within acceptance range.

Lab report: Summary on detectable sensitisations

POLLEN

Grass Pollen



Tree Pollen



Weed Pollen



MITES

House Dust Mites & Storage Mites



PLANT-BASED FOOD

Legumes



Grains



Spices



Fruits



Vegetables



Nuts & Seeds



INSECTS & VENOMS

Ant, Bee, Wasp



Cockroach



MICROORGANISMS

Fungal Spores & Yeast



ANIMAL-DERIVED FOOD

Milk



Egg



Fish & Seafood



Meat



EPITHELIAL TISSUES OF ANIMALS

Pets



Farm Animals



OTHERS

Latex



Ficus



CCD



Parasite



Highest measured IgE concentration per allergen group

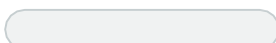
< 0,3 kUA/L

0,3 - 1 kUA/L

1 - 5 kUA/L

5 - 15 kUA/L

> 15 kUA/L



Negative or uncertain



Low IgE level



Moderate IgE level



High IgE level



Very high IgE level

Name	E/M	Allergen	Function	kU _A /L
POLLEN				
Grass Pollen				
Bermuda grass		Cyn d		0,52 
		Cyn d 1	Beta-Expansin	2,64 
Perennial Ryegrass		Lol p 1	Beta-Expansin	4,04 
Bahia grass		Pas n		0,46 
Timothy grass		Phl p 1	Beta-Expansin	3,13 
		Phl p 2	Expansin	< 0,10 
		Phl p 5.0101	Grass Group 5/6	32,05 
		Phl p 6	Grass Group 5/6	1,07 
		Phl p 7	Polcalcin	< 0,10 
		Phl p 12	Profilin	< 0,10 
Common reed		Phr c		< 0,10 
Cultivated rye, Pollen		Sec c_pollen		3,41 
Tree Pollen				
Acacia		Aca m		< 0,10 
Tree of Heaven		Ail a		< 0,10 
Alder		Aln g 1	PR-10	< 0,10 
		Aln g 4	Polcalcin	< 0,10 
Silver birch		Bet v 1	PR-10	< 0,10 
		Bet v 2	Profilin	< 0,10 
		Bet v 6	Isoflavon Reductase	< 0,10 
Paper mulberry		Bro pa		< 0,10 
Hazel pollen		Cor a_pollen		< 0,10 
		Cor a 1.0103	PR-10	< 0,10 
Sugi		Cry j 1	Pectate Lyase	< 0,10 
Cypress		Cup a 1	Pectate Lyase	< 0,10 
		Cup s		< 0,10 
Beech		Fag s 1	PR-10	< 0,10 
Ash		Fra e		< 0,10 
		Fra e 1	Ole e 1-Family	< 0,10 
Walnut pollen		Jug r_pollen		< 0,10 
Mountain cedar		Jun a		< 0,10 
Mulberry		Mor r		< 0,10 
Olive		Ole e 1	Ole e 1-Family	< 0,10 

Name	E/M	Allergen	Function	kU _A /L
	●	Ole e 9	1,3 β Glucanase	< 0,10
Date palm	●	Pho d 2	Profilin	0,43
London plane tree	●	Pla a 1	Plant Invertase	0,19
	●	Pla a 2	Polygalacturonase	< 0,10
	●	Pla a 3	nsLTP	< 0,10
Cottonwood	●●●	Pop n		0,31
Elm	●●●	Ulm c		< 0,10

Weed Pollen

Common Pigweed	●●●	Ama r		< 0,10
Ragweed	●●●	Amb a		< 0,10
	●	Amb a 1	Pectate Lyase	0,30
	●	Amb a 4	Plant Defensin	< 0,10
Mugwort	●●●	Art v		< 0,10
	●	Art v 1	Plant Defensin	< 0,10
	●	Art v 3	nsLTP	< 0,10
Hemp	●●●	Can s		< 0,10
	●	Can s 3	nsLTP	< 0,10
Lamb's quarter	●●●	Che a		< 0,10
	●	Che a 1	Ole e 1-Family	< 0,10
Annual mercury	●	Mer a 1	Profilin	0,23
Wall pellitory	●●●	Par j		< 0,10
	●	Par j 2	nsLTP	< 0,10
Ribwort	●●●	Pla l		< 0,10
	●	Pla l 1	Ole e 1-Family	< 0,10
Russian thistle	●●●	Sal k		< 0,10
	●	Sal k 1	Pectin Methylesterase	< 0,10
Nettle	●●●	Urt d		< 0,10

MITES

House Dust Mite

American house dust mite	●	Der f 1	Cysteine protease	< 0,10
	●	Der f 2	NPC2 Family	< 0,10
European house dust mite	●	Der p 1	Cysteine protease	< 0,10
	●	Der p 2	NPC2 Family	< 0,10
	●	Der p 5	unknown	0,21

Name	E/M	Allergen	Function	kU _A /L
	⊙	Der p 7	Mites, Group 7	< 0,10
	⊙	Der p 10	Tropomyosin	< 0,10
	⊙	Der p 11	Myosin, heavy chain	< 0,10
	⊙	Der p 20	Arginine kinase	< 0,10
	⊙	Der p 21	unknown	5,64
	⊙	Der p 23	Pentropnin-like protein domain	< 0,10

Storage Mite

Acarus siro	⊙	Aca s		< 0,10
Blomia tropicalis	⊙	Blo t 5	Mites, Group 5	3,68
	⊙	Blo t 10	Tropomyosin	< 0,10
	⊙	Blo t 21	unknown	3,39
Glycyphagus domesticus	⊙	Gly d 2	NPC2 Family	< 0,10
Lepidoglyphus destructor	⊙	Lep d 2	NPC2 Family	< 0,10
Tyrophagus putrescentiae	⊙	Tyr p		< 0,10
	⊙	Tyr p 2	NPC2 Family	< 0,10

MICROORGANISMS & SPORES

Yeast

Malassezia sympodialis	⊙	Mala s 5	unknown	< 0,10
	⊙	Mala s 6	Cyclophilin	< 0,10
	⊙	Mala s 11	Mn Superoxid-Dismutase	< 0,10
Yeast	⊙	Sac c		< 0,10

Moulds

Alternaria alternata	⊙	Alt a 1	Alt a 1-Family	< 0,10
	⊙	Alt a 6	Enolase	< 0,10
Aspergillus fumigatus	⊙	Asp f 1	Mitogillin Family	< 0,10
	⊙	Asp f 3	Peroxisomal Protein	< 0,10
	⊙	Asp f 4	unknown	< 0,10
	⊙	Asp f 6	Mn Superoxid-Dismutase	< 0,10
Cladosporium herbarum	⊙	Cla h		< 0,10
	⊙	Cla h 8	Short Chain Dehydrogenase	< 0,10
Penicillium chrysogenum	⊙	Pen ch		< 0,10

Name	E/M	Allergen	Function	kU _A /L
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PLANT FOOD

Legumes

Peanut		Ara h 1	7/8S Globulin	< 0,10	
		Ara h 2	2S Albumin	< 0,10	
		Ara h 3	11S Globulin	< 0,10	
		Ara h 6	2S Albumin	< 0,10	
		Ara h 8	PR-10	< 0,10	
		Ara h 9	nsLTP	< 0,10	
		Ara h 15	Oleosin	< 0,10	
Chickpea		Cic a		< 0,10	
Soy		Gly m 4	PR-10	< 0,10	
		Gly m 5	7/8S Globulin	< 0,10	
		Gly m 6	11S Globulin	< 0,10	
		Gly m 8	2S Albumin	< 0,10	
Lentil		Len c		< 0,10	
White bean		Pha v		< 0,10	
Pea		Pis s		< 0,10	

Grains

Oat		Ave s		< 0,10	
Quinoa		Che q		< 0,10	
Common buckwheat		Fag e		< 0,10	
		Fag e 2	2S Albumin	< 0,10	
Barley		Hor v		< 0,10	
Lupine seed		Lup a		< 0,10	
Rice		Ory s		< 0,10	
Millet		Pan m		0,12	
Cultivated rye		Sec c_flour		< 0,10	
Wheat		Tri a aA_TI	Alpha-Amylase Trypsin-Inhibitor	< 0,10	
		Tri a 14	nsLTP	< 0,10	
		Tri a 19	Omega-5-Gliadin	< 0,10	
Spelt		Tri s		< 0,10	
Maize		Zea m		< 0,10	
		Zea m 14	nsLTP	< 0,10	

Name	E/M	Allergen	Function	kU _A /L
Spices				
Paprika	■ ■ ■ ■	Cap a		< 0,10
Caraway	■ ■ ■ ■	Car c		< 0,10
Oregano	■ ■ ■ ■	Ori v		< 0,10
Parsley	■ ■ ■ ■	Pet c		< 0,10
Anise	■ ■ ■ ■	Pim a		< 0,10
Mustard	■ ■ ■ ■	Sin		< 0,10
	●	Sin a 1	2S Albumin	< 0,10
Fruits				
Kiwi	●	Act d 1	Cysteine protease	< 0,10
	●	Act d 2	TLP	< 0,10
	●	Act d 5	Kiwellin	< 0,10
	●	Act d 10	nsLTP	< 0,10
Papaya	■ ■ ■ ■	Car p		< 0,10
Orange	■ ■ ■ ■	Cit s		< 0,10
Melon	●	Cuc m 2	Profilin	0,40
Fig	■ ■ ■ ■	Fic c		< 0,10
Strawberry	●	Fra a 1+3	PR-10+LTP	< 0,10
Apple	●	Mal d 1	PR-10	< 0,10
	●	Mal d 2	TLP	< 0,10
	●	Mal d 3	nsLTP	< 0,10
Mango	■ ■ ■ ■	Man i		< 0,10
Banana	■ ■ ■ ■	Mus a		< 0,10
Avocado	■ ■ ■ ■	Pers a		< 0,10
Cherry	■ ■ ■ ■	Pru av		< 0,10
Peach	●	Pru p 3	nsLTP	< 0,10
Pear	■ ■ ■ ■	Pyr c		< 0,10
Blueberry	■ ■ ■ ■	Vac m		< 0,10
Grapes	●	Vit v 1	nsLTP	< 0,10
Vegetables				
Onion	■ ■ ■ ■	All c		< 0,10
Garlic	■ ■ ■ ■	All s		< 0,10
Celery	●	Api g 1	PR-10	< 0,10

Name	E/M	Allergen	Function	kU _A /L
	⊙	Api g 2	nsLTP	< 0,10
	⊙	Api g 6	nsLTP	< 0,10
Carrot	⊙	Dau c		< 0,10
	⊙	Dau c 1	PR-10	< 0,10
Potato	⊙	Sol t		< 0,10
Tomato	⊙	Sola l		< 0,10
	⊙	Sola l 6	nsLTP	< 0,10

Nuts

Cashew	⊙	Ana o		< 0,10
	⊙	Ana o 2	11S Globulin	< 0,10
	⊙	Ana o 3	2S Albumin	< 0,10
Brazil nut	⊙	Ber e		< 0,10
	⊙	Ber e 1	2S Albumin	< 0,10
Pecan	⊙	Car i		< 0,10
Hazelnut	⊙	Cor a 1.0401	PR-10	< 0,10
	⊙	Cor a 8	nsLTP	< 0,10
	⊙	Cor a 9	11S Globulin	< 0,10
	⊙	Cor a 11	7/8S Globulin	< 0,10
	⊙	Cor a 14	2S Albumin	< 0,10
Walnut	⊙	Jug r 1	2S Albumin	< 0,10
	⊙	Jug r 2	7/8S Globulin	< 0,10
	⊙	Jug r 3	nsLTP	< 0,10
	⊙	Jug r 4	11S Globulin	< 0,10
	⊙	Jug r 6	7/8S Globulin	< 0,10
Macadamia	⊙	Mac i 2S Albumin	2S Albumin	< 0,10
	⊙	Mac inte		< 0,10
Pistachio	⊙	Pis v 1	2S Albumin	< 0,10
	⊙	Pis v 2	11S Globulin subunit	< 0,10
	⊙	Pis v 3	7/8S Globulin	< 0,10
Almond	⊙	Pru du		< 0,10

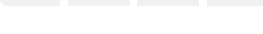
Seeds

Pumpkin seed	⊙	Cuc p		0,13
Sunflower seed	⊙	Hel a		< 0,10
Poppy seed	⊙	Pap s		< 0,10

Name	E/M	Allergen	Function	kU _A /L
		Pap s 2S Albumin	2S Albumin	< 0,10 
Sesame		Ses i		< 0,10 
		Ses i 1	2S Albumin	< 0,10 
Fenugreek seeds		Tri fo		< 0,10 

ANIMAL FOOD

Milk

Cow, milk		Bos d_milk		< 0,10 
		Bos d 4	α-Lactalbumin	< 0,10 
		Bos d 5	β-Lactoglobulin	< 0,10 
		Bos d 8	Casein	< 0,10 
Camel		Cam d		< 0,10 
Goat, milk		Cap h_milk		< 0,10 
Mare's milk		Equ c_milk		< 0,10 
Sheep, milk		Ovi a_milk		< 0,10 

Egg

Egg white		Gal d_white		< 0,10 
Egg yolk		Gal d_yolk		< 0,10 
Egg white		Gal d 1	Ovomucoid	< 0,10 
		Gal d 2	Ovalbumin	< 0,10 
		Gal d 3	Ovotransferrin	< 0,10 
		Gal d 4	Lysozym C	< 0,10 
Egg yolk		Gal d 5	Serum Albumin	< 0,10 

Seafood

Herring worm		Ani s 1	Kunitz Serin Protease Inhibitor	< 0,10 
		Ani s 3	Tropomyosin	< 0,10 
Crab		Chi spp.		< 0,10 
Herring		Clu h		< 0,10 
		Clu h 1	β-Parvalbumin	< 0,10 
Brown shrimp		Cra c 6	Troponin C	< 0,10 
Carp		Cyp c 1	β-Parvalbumin	< 0,10 
Atlantic cod		Gad m		< 0,10 
		Gad m 2+3	β-Enolase & Aldolase	< 0,10 

Name	E/M	Allergen	Function	kU _A /L
	☒	Gad m 1	β-Parvalbumin	< 0,10
Lobster	☒	Hom g		< 0,10
Shrimp	☒	Lit s		< 0,10
Squid	☒	Lol spp.		< 0,10
Common mussel	☒	Myt e		< 0,10
Oyster	☒	Ost e		< 0,10
Shrimp	☒	Pan b		< 0,10
Scallop	☒	Pec spp.		< 0,10
Black Tiger Shrimp	☒	Pen m 1	Tropomyosin	< 0,10
	☒	Pen m 2	Arginine kinase	< 0,10
	☒	Pen m 3	Myosin, light chain	< 0,10
	☒	Pen m 4	Sarcoplasmic Calcium Binding Protein	< 0,10
Thornback ray	☒	Raj c		< 0,10
	☒	Raj c Parvalbumin	α-Parvalbumin	< 0,10
Clam	☒	Rud spp.		< 0,10
Salmon	☒	Sal s		< 0,10
	☒	Sal s 1	β-Parvalbumin	< 0,10
Atlantic mackerel	☒	Sco s		< 0,10
	☒	Sco s 1	β-Parvalbumin	< 0,10
Tuna	☒	Thu a		< 0,10
	☒	Thu a 1	β-Parvalbumin	< 0,10
Swordfish	☒	Xip g 1	β-Parvalbumin	< 0,10

Meat

House cricket	☒	Ach d		< 0,10
Cattle, meat	☒	Bos d_meat		< 0,10
	☒	Bos d 6	Serum Albumin	< 0,10
Horse, meat	☒	Equ c_meat		< 0,10
Chicken meat	☒	Gal d_meat		< 0,10
Migratory locust	☒	Loc m		< 0,10
Turkey	☒	Mel g		< 0,10
Rabbit, meat	☒	Ory_meat		< 0,10
Sheep, meat	☒	Ovi a_meat		< 0,10
Pork	☒	Sus d_meat		< 0,10
	☒	Sus d 1	Serum Albumin	< 0,10
Mealworm	☒	Ten m		< 0,10

Name	E/M	Allergen	Function	kU _A /L
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INSECTS & VENOMS

Fire ant poison

Fire ant		Sol spp.		< 0,10 
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Honey Bee Venom

Honey bee		Api m		< 0,10 
		Api m 1	Phospholipase A2	< 0,10 
		Api m 10	Icarapin Variant 2	< 0,10 

Wasp Venom

Hornet		Dol spp		< 0,10 
Paper wasp venom		Pol d		< 0,10 
		Pol d 5	Antigen 5	< 0,10 
Wasp venom		Ves v		< 0,10 
		Ves v 1	Phospholipase A1	< 0,10 
		Ves v 5	Antigen 5	< 0,10 

Cockroach

German Cockroach		Bla g 1	Cockroach Group 1	< 0,10 
		Bla g 2	Aspartyl protease	< 0,10 
		Bla g 4	Lipocalin	< 0,10 
		Bla g 5	Glutathione S-transferase	< 0,10 
		Bla g 9	Arginine kinase	< 0,10 
American Cockroach		Per a		< 0,10 
		Per a 7	Tropomyosin	< 0,10 

ANIMAL ORIGIN

Pet

Dog		Can f_Fd1	Uteroglobulin	< 0,10 
Male dog urine (incl. Can f 5)		Can f_male urine		< 0,10 
Dog		Can f 1	Lipocalin	< 0,10 
		Can f 2	Lipocalin	< 0,10 
		Can f 3	Serum Albumin	< 0,10 

Name	E/M	Allergen	Function	kU _A /L
	●	Can f 4	Lipocalin	< 0,10
	●	Can f 6	Lipocalin	< 0,10
Guinea pig	●	Cav p 1	Lipocalin	< 0,10
Cat	●	Fel d 1	Uteroglobulin	< 0,10
	●	Fel d 2	Serum Albumin	< 0,10
	●	Fel d 4	Lipocalin	< 0,10
	●	Fel d 7	Lipocalin	< 0,10
House mouse	●	Mus m 1	Lipocalin	< 0,10
Rabbit, epithel	●	Ory c 1	Lipocalin	< 0,10
	●	Ory c 2	Lipophilin	< 0,10
	●	Ory c 3	Uteroglobulin	< 0,10
Djungarian hamster	●	Phod s 1	Lipocalin	< 0,10
Rat	■	Rat n		< 0,10

Farm Animals

Cattle	●	Bos d 2	Lipocalin	< 0,10
Goat, epithel	■	Cap h_epithelia		< 0,10
Horse, epithel	●	Equ c 1	Lipocalin	< 0,10
	●	Equ c 3	Serum Albumin	< 0,10
	●	Equ c 4	Latherin	< 0,10
Sheep, epithel	■	Ovi a_epithelia		< 0,10
Pig	■	Sus d_epithelia		< 0,10

OTHERS

Latex

Latex	●	Hev b 1	Rubber elongation factor	< 0,10
	●	Hev b 3	Small rubber particle protein	< 0,10
	●	Hev b 5	unknown	< 0,10
	●	Hev b 6.02	Hevein	< 0,10
	●	Hev b 8	Profilin	< 0,10
	●	Hev b 11	Class 1 Chitinase	< 0,10

Ficus

Weeping fig	■	Fic b		< 0,10
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Name	E/M	Allergen	Function	kU _A /L
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CCD

Hom s Lactoferrin	☒	Hom s LF	CCD	< 0,10
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Parasite

Pigeon tick	☒	Arg r 1	Lipocalin	< 0,10
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Total IgE result: 23 kU/L

Reference range total-IgE

Adults: < 100 kU/L

SAMPLED ON
28/08/2023

PRINTED ON
13/12/2024

ASSAY PERFORMED ON
28/08/2023

Information to cross-reactive allergens

Profilins

Profilins show a very high degree of cross-reactivity.

Depending on the population, up to 50% of pollen allergics are sensitised to profilin (higher rate in Mediterranean countries, lower rate in Northern Europe). The sensitisation to profilin can cause inhalative symptoms. Up to 50% of profilin sensitised patients may have food allergy - oral allergy syndrome in most cases. Raw tomato, melon, watermelon, and citrus fruits are typically associated with profilin. Profilins are not stable to processing.

Number of tested allergen sources:

165



GRASS POLLEN

6

Bahia grass, Bermuda grass, Common reed, Perennial ryegrass, Rye, Timothy grass



COCKROACH

2

American cockroach, German cockroach



TREE POLLEN

19

Acacia, Alder, Arizona Cypress, European Ash, Beech, Cottonwood, Date palm, Elm, Hazel, London Plane Tree, Mediterranean Cypress, Mountain cedar, Mulberry, Olive, Paper mulberry, Silver birch, Sugi, Tree of Heaven, Walnut



INSECT VENOMS

5

Common wasp venom, Fire ant venom, Honeybee venom, Long-headed wasp venom, Paper wasp venom



FUNGAL SPORES & YEAST

6

Alternaria alternata, Aspergillus fumigatus, Baker's yeast, Cladosporium herbarum, Malassezia sympodialis, Penicilium chrysogenum



WEED POLLEN

10

Annual mercury, Hemp, Lamb's quarter, Mugwort, Nettle, Pigweed, Ragweed, Ribwort, Russian thistle, Wall pellitory



MILK

5

Camel's milk, Cow's milk, Goat's milk, Mare's milk, Sheep's milk



HOUSE DUST MITES & STORAGE MITES

7

Acarus siro, American house dust mite, Blomia tropicalis, European house dust mite, Glycyphagus domesticus, Lepidoglyphus destructor, Tyrophagus putrescentiae



EGG

2

Egg white, Egg yolk



FISH & SEAFOOD

20

Anisakis simplex, Atlantic cod, Atlantic herring, Atlantic mackerel, Black-Tiger shrimp, Brown shrimp, Carp, Common mussel, Crab, Lobster, Northern prawn, Oyster, Salmon, Scallop, Shrimp mix, Squid, Swordfish, Thornback ray, Tuna, Venus clam



LEGUMES

6

Chickpea, White bean, Lentil, Pea, Peanut, Soy



GRAINS

11

Barley, Buckwheat, Corn, Cultivated rye, Lupine, Millet, Oat, Quinoa, Rice, Spelt, Wheat



MEAT

10

Beef, Chicken, Horse, House cricket, Lamb, Mealworm, Migratory locust, Pig, Rabbit, Turkey



SPICES

6

Anise, Caraway, Mustard, Oregano, Paprika, Parsley



PETS

7

Cat, Djungarian hamster, Dog, Guinea pig, Mouse, Rabbit, Rat



FRUITS

15

Avocado, Apple, Banana, Blueberry, Cherry, Fig, Grape, Kiwi, Mango, Muskmelon, Orange, Papaya, Peach, Pear, Strawberry



FARM ANIMALS

5

Cattle, Goat, Horse, Pig, Sheep



VEGETABLES

6

Carrot, Celery, Garlic, Onion, Potato, Tomato



OTHERS

4

Latex, Human lactoferrin, Pigeon tick, Weeping fig



NUTS & SEEDS

13

Almond, Brazil nut, Cashew, Hazelnut, Macadamia, Pecan, Pistachio, Walnut, Fenugreek seeds, Poppy seed, Pumpkin seed, Sesame, Sunflower seed

Interpretation Summary

Sample Information

The sample was tested on Barcode, interpretation date 13/12/2024.

Of the tested 295 allergens, 15 were/was above the cut off of 0.3 kU_A/L. A sensitisation can be an indicator of an IgE dependent allergy. For all positive allergens, comments for interpretation guidance are listed below.

Total IgE: 23 kU/L

The measured total IgE was 23 kU/L. With a total IgE titre of below 100 kU/L, allergy is possible but unlikely.

Cross-Reactive allergen sensitisation detected

Sensitisations against molecular allergens which are markers of (broad) cross-reactivity between different allergen sources were detected.

Detected cross-reactive allergen sensitisations:

- Profilins: Cuc m 2, Pho d 2

Profilins

Members of the Profilin allergen family can cause inhalative symptoms, as well as mild forms of food allergy. Profilins are present in all plant based allergen sources. Inhalative symptoms - if they occur at all - are usually mild. Profilin food allergy is usually mild and restricted to oral allergy syndrome. Profilins from foods are not resistant to heat and digestion.

Tree Pollen

Cottonwood

Sensitisation to cottonwood pollen was detected. Allergic symptoms associated with this allergen source includes allergic rhinoconjunctivitis. So far a member of the Profilin allergen family has been officially accepted by the WHO (Pop n 2).

AIT is available as a causal treatment but rarely performed. Symptomatic treatment includes anti-histamines and local corticosteroids in various formulations (tablet, spray).

Date Palm

Sensitisation to date palm pollen was detected. Allergic symptoms associated with date palm pollen range from allergic rhinoconjunctivitis to allergic asthma.

Pho d 2 is a member of the Profilin allergen family and is associated with inhalative symptoms and mostly mild forms of food allergy (e.g. oral allergy syndrome). The degree of cross-reactivity between Pho d 2 and other members of the Profilin allergen family is high. The importance of these cross-reactions has to be analysed on a clinical level.

A causal treatment via AIT may not be available. Symptomatic treatment includes anti-histamines and local corticosteroids in various formulations (tablet, spray).

Grass pollen

Sensitisation to grass pollen was detected. Allergic symptoms associated with grass pollen range from allergic rhinoconjunctivitis to allergic asthma.

Cyn d 1, Lol p 1 and Phl p 1 are members of the β -Expansin allergen family. The degree of cross-reactivity between members of this allergen family is very high. β -Expansins serve as markers for AIT indication, if corresponding clinical symptoms are present. Positive results were obtained for: Cyn d 1, Lol p 1, Phl p 1.

Phl p 5 is a member of the Grass Group 5/6 allergen family. The degree of cross-reactivity between members of this allergen family is high, although not in all grass pollen species a Grass Group 5/6 allergen has been described. Along with Phl p 1 and Phl p 2, Phl p 5 serves as marker of true grass-pollen sensitisation. Phl p 1 and 5 serve as markers for AIT indication, if corresponding clinical symptoms are present.

Phl p 6 is a member of the Grass Group 5/6 allergen family. The degree of cross-reactivity between members of this allergen family is high.

Causal treatment is possible via AIT - Phl p 1 and 5 serve as markers for AIT indication, if corresponding are present. Symptomatic treatment includes anti-histamines and local corticosteroids in various formulations (tablet, spray).

Weed Pollen

Ragweed

Sensitisation to pollen from ragweed was detected. Allergic symptoms associated with this allergen source range from allergic rhinoconjunctivitis to allergic asthma.

Amb a 1 is a member of the Pectate Lyase allergen family. The degree of cross-reactivity to allergens from the same family is moderate (e.g. with Art v 6 from mugwort). Amb a 1 serves as a marker for AIT indication, if corresponding clinical symptoms are present.

Causal treatment is possible via AIT - Amb a 1 serves as a marker for AIT indication, if clinical symptoms are present. Symptomatic treatment includes anti-histamines and local corticosteroids in various formulations (tablet, spray).

Mites and Cockroaches

House dust mites

Sensitisation to house dust mite was detected. Allergic symptoms associated with this allergen source range from allergic rhinoconjunctivitis to asthma.

Der p 21 is a member of the Mite Group 5/21 allergen family (MG 5/21). The degree of cross-reactivity to other members of the MG 5/21 allergen family is moderate to high between Der p 21 and Blo t 21.

Allergen avoidance is advised. Encasings for blankets, mattresses and pillows can reduce the allergen load. Der f 1/Der p 1 and Der f 2/Der p 2 are major allergens from house dust mite and serve as markers for AIT indication, if corresponding clinical symptoms are present. Symptomatic treatment includes anti-histamines as well as local corticosteroids in various formulations (tablet, spray).

Storage Mites

Sensitisation to storage mites was detected. Allergic symptoms associated with this allergen source range from allergic rhinoconjunctivitis to allergic asthma.

Blo t 5 is a member of the Mite Group 5/21 allergen family (MG 5/21) and a marker for genuine *Blomia tropicalis* sensitisation. The degree of cross-reactivity to other members of the MG 5/21 allergen family is limited (e.g. to Der p 5). Blo t 5 may serve as a marker for AIT indication, if corresponding clinical symptoms are present.

Blo t 21 is a member of the Mite Group 5/21 allergen family (MG 5/21) and a marker for genuine *Blomia tropicalis* sensitisation. The degree of cross-reactivity to other members of the MG 5/21 allergen family is limited. Blo t 21 may serve as a marker for AIT indication, if corresponding clinical symptoms are present.

Allergen avoidance is advised. Encasings for blankets, mattresses and pillows can reduce the allergen load. Blo t 5 and 21, Gly d 2, Lep d 2 and Tyr p 2 may serve as markers for AIT indication, if corresponding clinical symptoms are present. Symptomatic treatment includes anti-histamines as well as local corticosteroids in various formulations (tablet, spray).

Fruits

Muskmelon

Sensitisation to muskmelon was detected. Allergic symptoms associated with muskmelon are usually mild, systemic reactions are rare.

Cuc m 2 is a member of the Profilin allergen family and is associated with mild forms of food allergy (e.g. oral allergy syndrome). The degree of cross-reactivity between Cuc m 2 and between other members of the Profilin allergen family is high. The importance of these cross-reactions has to be analysed on a clinical level.

Include extensive patient training on avoidance measures for mild reactions and the prescription of an emergency kit (including adrenalin autoinjector for severe cases).

DISCLAIMER: THE PRESENCE OF IgE-ANTIBODIES IMPLIES A RISK OF ALLERGIC REACTIONS AND HAS TO BE ANALYZED IN CONJUNCTION WITH THE CLINICAL HISTORY AND OTHER DIAGNOSTIC TEST RESULTS. THE RAVEN INTERPRETATION GUIDANCE SOFTWARE IS A TOOL TO SUPPORT PHYSICIANS IN THE INTERPRETATION OF RESULTS. COMMENTS DO NOT REPLACE THE DIAGNOSIS BY A PHYSICIAN. NO LIABILITY IS ACCEPTED FOR RAVEN COMMENTS AND RESULTING THERAPEUTIC INTERVENTIONS. THE STATED COMMENTS ARE DESIGNED EXCLUSIVELY FOR RESULTS.