

discussion & consequences

What difference does ImmunoCAP® Allergen component testing make?

- Assess the clinical risk for reactions to egg
- Select patients for food provocation and to avoid food provocation if unnecessary
- Ensure relevant dietary advice

Could testing with ImmunoCAP® Allergen components at an early age have changed their daily life?

- Yes, for children like Andrea who has low levels of Gal d 1, the quality of life could have been improved
 - No need of strict avoidance of egg
 - No cause of stress in the family due to the risk of eating products containing extensively heated egg, such as cakes and cookies

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EGG CASE #1
Molecular Allergology



Components are essential

to define diagnosis and improve the quality of life

Andrea and Sylvia, at 1 and 3 years

background

Previous symptoms:

- Severe eczema since 6-7 months of age
- Gastrointestinal symptoms

Clinical history:

- Urticaria and wheezing when accidentally eating egg

Family history:

- None

Previous visit

Andrea

Sylvia

(at 1 year)

Skin Prick Test results:

Egg white +5
Milk negative

Egg white +4
Milk negative

ImmunoCAP sIgE results:

Egg white 20 kUA/l

Egg white 22 kUA/l

Diagnosis:

Egg allergy

Egg allergy

Treatment:

Dietary restriction
to egg

Dietary restriction
to egg

current visit

ImmunoCAP® Allergen component test results

(at 3 years)	Andrea, results (kUA/l)	Sylvia, results (kUA/l)
Egg white	16	19
Gal d 1 (Ovomucoid)	0.4	16
Gal d 2 (Ovalbumin)	11.1	6.9
Gal d 3 (Conalbumin)	0.4	0.2
Gal d 4 (Lysozyme)	4.5	0.3

Diagnosis:

Likely tolerant to
extensively heated egg

Egg allergy

Treatment:

Oral food challenge
to confirm tolerance
to cooked egg

Dietary restriction
to all forms of egg
remains

Interpretation of the Allergen component test results

- Significant levels of IgE to Gal d 1 indicates a risk for reaction to all forms of egg = Sylvia's situation
- Low level of sensitization to Gal d 1 indicates tolerance to cooked egg. An open challenge in the clinic with extensively heated egg may be performed to confirm the diagnosis = Andrea's situation

