Immunotherapy: prevention!



Hugo Van Bever Department of Pediatrics NUHS Singapore

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Two Statements

- We are starting immunotherapy (SLIT SCIT) too late in children
- We are starting immunotherapy (SLIT SCIT) only when symptomatic treatment is unable to control symptoms.

→ WRONG APPROACH?

Start of immunotherapy

Situation at its start: > 5- 7 years-old

RHINITIS: rhino-sinusitis / restructuring

ASTHMA: remodeling

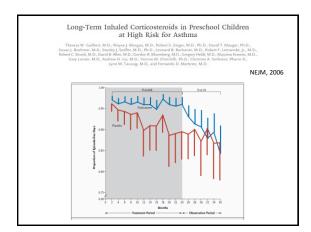
ECZEMA: bacterial colonization

... SIT is started when complications have settled!

Allergists prefer symptomatic treatment over causal treatment...

SYMPTOMATIC TREATMENT

- 1. established (habit)
- 2. more studies more companies involved
- 3. safe effective
- 4. cheaper





SLIT!

- SAFE
- CHILD FRIENDLY
- CONVENIENT
- Con: EXPENSIVE...

STATEMENTS:

Allergy is a non-curable feature of the human body

The human race is getting more and more allergic

(cfr 2nd wave of food allergy)

By 2020...

- * > 50% of all children will be allergic.
- * New approaches are urgently needed.

Treatment of asthma



New treatment for allergy

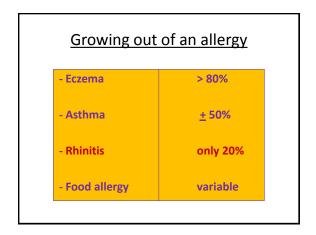
- 1. For prevention
- 2. For control
- 3 For cure

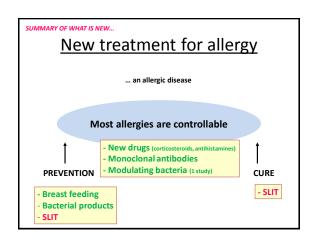
Allergy treatment - problems

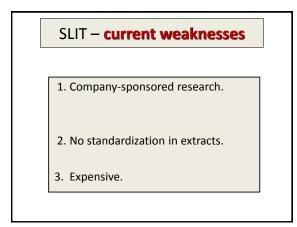
1. Compliance: PROBLEMS

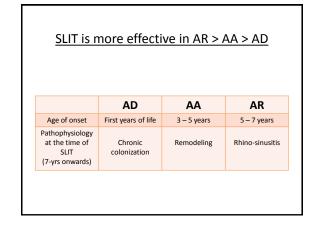
2. Prevention: IMPOSSIBLE

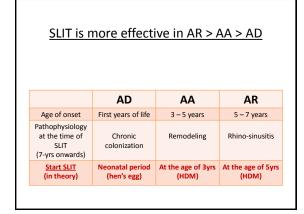
3. Cure: IMPOSSIBLE

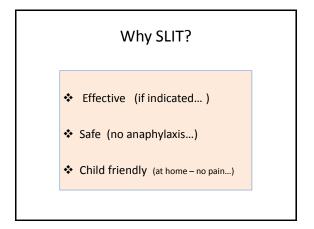


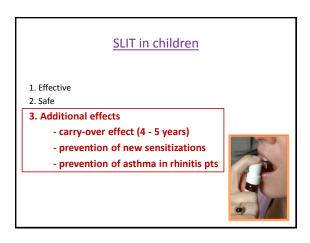












Prevention of new sensitizations in asthmatic children monosensitized to house dust mite by specific immunotherapy.

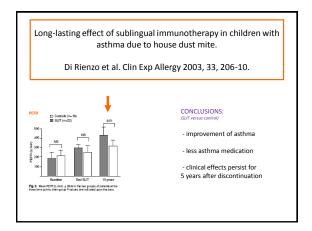
Pajno et al. Clin Exp Allergy 2001, 31, 1392-7.

Table 3. Drop-outs and new sensitizations

Patients SIT Group Control Group

Number of patients enrolled 75 63
Drop-outs 6 9
Patients followed-up for 6 years 69 54
New sensitizations

Nene 52 18
Parietaria 11 16
Grass 5 12
Olive tree 5 8
Cat 3 3 7
Dog 0 2
Alternaria spp. 1 5 5
Magwort 1 5



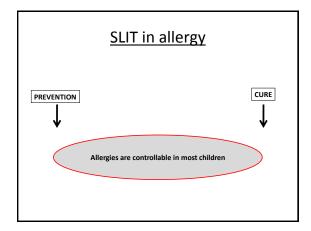
Long-lasting effects of sublingual immunotherapy according to its duration: A 15-year prospective study

Maurizio Marogna, MD.* Igino Spadolini, MD.* Alessandro Massola, BS.* Giorgio Walter Canonica, MD.* and Giovanni Passalscqua, MD* Norse, Florenc, and Gensa, July, and Calgor, Albrea, Canada

- In the patients receiving SLIT for 3 years the clinical benefits persisted for 7 year.

- In those receiving SLIT for 4 – 5 years the clinical benefits persisted for 8 years

- CONCLUSION: 4 years of SLIT is the optimal duration



SLIT - Unmet Needs (1) (WAO Position Paper, November 2012) DOSING: a. Optimal dose in children b. Bio-availability of drops and tablets c. Drops vs. tablets d. Efficacy of multiple allergens e. Optimal duration e. SLIT in preschoolers (infants)

SLIT - Unmet Needs (2)

(WAO Position Paper, November 2012)

INDICATIONS:

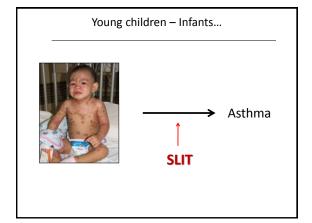
- a. Early administration of SLIT
- b. Efficacy in children unresponsive to pharmacotherapy.
- c. Long-term efficacy
- d. Preventive effects

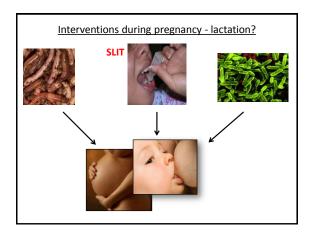
SLIT - Unmet Needs (3)

(WAO Position Paper, November 2012)

OTHER ALLERGENS:

- a. Latex allergy
- b. Food allergy (milk, peanut, hazelnut)







Conclusion...

- 1. SLIT: promising! (safe effective)
- 2. SLIT: not necessary to control most allergic diseases.
- 3. SLIT: PREVENT & CURE
- 4. More studies are needed in young children.