

Supplementary Material

Suitable Interpretation of Skin Prick Test and Biomedical Guidance Leads to a Better Clinical State in Atopic Individuals with High Indoor Permanence: Possible Therapeutic Implications

Bernardo Yassunobu Nakamatsu ^{1,†}, Archangelo Padreca Fernandes ^{1,†}, Débora da Silva ^{1,†}, Ludimila Souza Santos ², Thamires Rodrigues de Sousa ² and Jefferson Russo Victor ^{1,2,3,*}

¹ Faculdades Metropolitanas Unidas (FMU), São Paulo 04505-002, Brazil; b.nakamatsu@uol.com.br (B.Y.N.); archangelo.fmu@gmail.com (A.P.F.); desilva@portoseguro.org.br (D.d.S.)

² Laboratory of Medical Investigation LIM 56, Division of Dermatology, School of Medicine, University of São Paulo (FM-USP), São Paulo 05403-000, Brazil, ludisantos3110@gmail.com (L.S.S.); sousar-thamires@gmail.com (T.R.d.S.)

³ School of Medicine, Universidade Santo Amaro (UNISA), São Paulo 04829-300, Brazil;

* Correspondence: victorjr@usp.br; Tel.: +55-11-30-617-499; Fax: +55-11-30-817-190

† These authors contribute equally.

Skin prick test (SPT) therapeutic effectiveness evaluation:

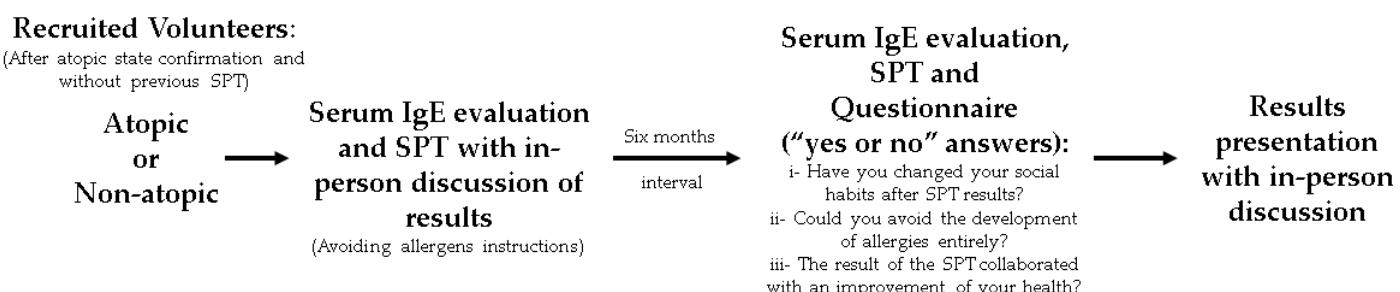


Figure S1. An eschematic illustration of the therapeutic effectiveness evaluation of SPT used in our study.

Table S1. Characteristics of the allergen extracts used in SPT.

Extract name.	Allergens origin
HDM	<i>Dermatophagoides farinae</i> and <i>Dermatophagoides Pteronyssimus</i>
Fungi	<i>Aspergillus fulmigatus</i> , <i>Penicillium notatum</i> , <i>Alternaria Alternata</i> and <i>Cladosporium herbarum</i>
Cockroach	<i>Blatella germanica</i> and <i>Periplaneta americana</i>
Grass	Alder, Birch, Hazel and Cultivated rye
Dog epithelium	<i>Canis Familiaris</i>
Cat epithelium	<i>Felis domesticus</i>
Feather	Chicken and Canary bird

Table S2. Characteristics of the allergen extracts used in multiplex immunoblot assay (EURO-LINE).

Allergen type	Allergens tested
HDM	<i>Dermatophagoide farinae, Dermatophagoides Pteronyssimus</i>
Fungi	<i>Aspergillus fulmigatus, Penicillium notatum, Alternaria alternata and Cladosporium herbarum</i>
Epithelium	Cat, dog, Horse, Guinea pig, rabbit, hamster
Grass	Timothy Grass, Cultivated rye, Alder, Birch, Hazel, Mugwort, English plantain

Table S3. Comparative SPT results obtained before and six months after in-person discussion about allergen avoidance. The results are illustrated as the percentual of reactive individuals to each extract.

Extract.	Before (%)	After (%)
Huse dust mite	92.4	75.5
Fungi	60.6	46.2
Grass	45.4	31.8
Cat	43.1	25.7
Dog	42.4	23.4
Cockroaches	21.9	15.9
Chiken feather	11.3	9.0