

## Accepted Manuscript

When is allergen immunotherapy effective?

Akane Hara , Yoh Iwasa

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**Highlights**

- Mathematical model of allergen immunotherapy for pollen allergy was developed.
- We identified the conditions for the therapy to be likely to succeed.
- The decay rate of Treg cells needs to be much smaller than that of Th2 cells.
- The schedule of dose increasing with time is more effective than constant dose.

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