



Peanut OIT

Peanut Butter Desensitization

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Peanut OIT and Peanut Butter Desensitization

125 patients completed full desensitization

Successful OIT Completion

- **6g Protein Challenge** *Peanuts, M&Ms, PB2/Peanut Flour*
- Peanuts fully chewed and swallowed, not swallowed whole
- Cleared for free eating challenged food

Observed Increased Frequency of reactions to Peanut Butter

- **Peanut Butter Challenge to Brand of Choice 2 months into Maintenance Period**
 - *2g protein daily maintenance dose daily*
- **1 Tsp** followed by **1 Tbsp** 15 mins later. Observation: 1 hour
 - *Approx 4g protein challenge*

Peanut butter desensitization may require alternative dosing regimen to allow for safe free eating and protection against accidental exposures.

Total # Patients	125
Passed	47 (81%)
Failed	11 (19%)
Equivocal*	3
No attempt	67

**Aversion to taste of PNB, did not complete challenge*

Breakout of 11 who failed:

- 2 repeated challenge 3-6 months later **passed**
- 2 repeated challenge 3-6 months later **failed**
- 2 resumed build up with Peanut Butter, tolerating well
- 6 out of 11 failed challenge following 1 tsp PNB (~1g protein)
- No apparent correlation between peanut sIgE/components and pass/fail rate
 - Unlikely driven by Ara h1

OIT Best Practice

Who else is seeing this?

Why is this occurring?

Similar trends with other foods?