

Escalation Protocols

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Escalation Protocol - DAFC

- Starting dose – ~ 2 logs below the ED₉₅
- Day 1 dosing – 4-6 doses to about the ED₉₅
- Weekly updosing
- Initial dose increments 50-100%
- At higher doses, increments decreased to 25-50%
- Target dose - >48 month-of-age
 - Egg (1/2 egg white), milk (240mL), wheat
 - Nuts and seeds 3000mg protein
- Post-escalation challenge in 1 week
 - Egg – 1 lightly scrambled whole egg
 - Milk – none
 - Wheat – none
 - Nuts and seeds 6000mg protein

Multi-food Day 1 Adjustments

- Two foods – none
- Three foods – Day 1 target reduced by 1 step
- Four or five foods – Day 1 target reduced by 2 steps
- After Day 1, up dosing continues as for single foods

Ebisawa – Japan – Egg/Milk/Peanut

- Peanut
 - Initial dose 8mg protein – escalate to 133mg protein in 8 steps in hospital for 5 days
 - Continue 133mg protein for 1 year
 - Avoid for 2 weeks
 - Challenge to 133mg then to 795mg
 - 33% passed the 795mg challenge - continue 795mg dose once a week
 - Challenge failures resume low dose and rechallenge in one year
- Milk
 - 3ml and 25 ml challenges
- Egg
 - 194mg and 776mg (1/2 egg) challenges

Blumchen – Peanut OIT – Germany – JACI:IP 2019

- OFC to determine initial dose (10% of eliciting dose)
- Updoses every two weeks

Dose #	mg of peanut protein
1-6	0.5
7-9	1.0
10-12	1.5
13-14	2.0
15-18	2.5
19-23	5
24-25	10
26-28	15-20
29-33	25

- Final dose – 125mg or 250mg protein
- 14 months escalation
- 23/31 tolerated 300mg challenge
- 13/31 tolerated 4500mg challenge

Goldberg – Israel – Egg/Milk/Peanut/Sesame

- In hospital 4 days sequential challenges to determine maximal tolerated dose
- Twice daily home dosing for 24 days
- Return to hospital every 28 days for dose escalation

Hospital Challenge	Dose Increase
Initial	Max tolerated dose
Two	4x
Three	3x
Four	2x
Five	2x
Six	0.5x

- Target doses – protein
 - Egg – 12,000mg
 - Milk – 7,200mg
 - Peanut – 3,000mg
 - Sesame – 4,000mg