**Table D19 -NASAL AND OCULAR CHALLENGES SCORES - SCIT**

| **Study** | **Allergen** | **Arms** | **Time of measure** | **Scale description** | **Value Pre** | **Value post** | **Comparative values** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Pichler  199667 | Dust mites | SCIT  Placebo | 12 months | Conjunctival provocation test | 100000  100000 | 100000  100000 | SCIT pre vs post p=0.469  Placebo pre vs post p=0.4062  SCIT vs Placebo p=0.0196 |
| Muro  199960 | Dust mites | SCIT-Cluster  SCIT- Conventional | 18 months after maintenance | Conjunctival  provocation test | 7.4 (BU/ml)  14.6 |  | Cluster pre vs post, p<0.01  Converntional, pre vs post p<0.01  Cluster vs conventional p<0.05 |
| Arvidsson 200456  Arvidsson 200257 | White birch | SCIT  Placebo | 2 years | Conjunctival provocation test | NR  NR | NR  NR | SCIT vs Placebo p= NS |
| Dreborg  2011 51 | Dust Mite  Timothy | SCIT Timothy  SCIT dust mite | 3 years | Conjunctival Provocation Challenge | 6166  724 | 100000  26915 | Timothy: 16 fold increase  p<0.05  Dust Mite: 32 fold increase, p<0.05 |
| Dreborg  198680 | Cladosporium | SCIT  Placebo | 10 week period during peak season | Conjunctival provocation tets | NR  NR | NR  NR | SCIT vs Placebo p>0.05  SCIT pre vs post, p=0.01 |
| Alvarez-Cuesta 199487 | Cats | SCIT  Placebo | 1 year | Conjunctival provocation test |  | 78% had improved conjunctival sensitivity  21% | There was a significant difference in the threshold dose that caused pruritis, p<0.001 |
| Varney 199788 | Cat | SCIT  Placebo | 3 months | Conjunctival provocation threshold | 4025  2109 | NR  NR | SCIT vs Placebo p<0.001 |
| Valovirta198617  Valovirta198418 | Dog | SCIT  Placebo | 1 year | Conjunctival provocation test |  |  | SCIT vs Placebo p<0.001 |
| Olsen  199714 | Mugworth, Birch, Timothy grass | SCIT- Artemesia  SCIT- Betula | 2 years | Conjunctival provocation test with Artemesia | 3.6  3.6 | 4.5  3.5 | Artemisia, pre vs post, p<0.01  Betula, pre vs post, p<0.05 |
| Olsen  199714 | Mugworth, Birch, Timothy grass | SCIT- Artemesia  SCIT- Betula | 2 years | Conjunctival provocation test with Betula | 3.8  3.8 | 3.3  5.2 | Artemisia, pre vs post, p<0.01 |
| The PAT study  Möller 200246 Niggeman200647  Jacobsen200748 | Timothy grass, Birch | SCIT  Placebo | 5 years | Ocular provocation test |  |  | SCIT vs Placebo p<0.001 |
| Bousquet 199183  Bousquet 199184 | Grass and tree pollen | SCIT-grass  Placebo-grass  SCIT-multiple pollen  Placebo-multiple pollen | End of season | Nasal provocation (Mean number of pollen grains needed to cause reaction) |  | 69175±70655  1544±558  28687±51437  3086±7510 | Grass vs Placebo, p<0.01  Multiple vs Placebo, p=NS  Single vs Multiple, p=NS |
| Leynadier  2000 45 | Grass mix | SCIT  Placebo | 1 year | Nasal provocation test (Amount of allergen needed in IR) | 21.4  31 | 63.4  37.7 | SCIT, pre vs post, p<0.05  SCIT vs Placebo p>0.05 |
| Kuna  201181 | Alternaria | SCIT  Control |  | Nasal challenge | 207  199 | 67  185 | SCIT pre v. post p p<0.05  Placebo, pre vs post, p=0.07  SCIT vs Placebo p=0.04 |
| Horst  198964 | Alternaria | SCIT  Placebo | 1 year | Nasal challenge | 2.8±0.6  2.8±1.0 | 1.6±1.2  2.5±1.1 | SCIT, pre vs post, p<0.001  Placebo, pre vs post, p=NS  SCIT vs Placebo p<0.05 |
| Ariano  199727 | Cypress-Cedar | SCIT  Placebo | 3 year | Nasal challenge | 83.17  84.64 | 88.34  85.16 | NR |
| McHugh 199031  Ewan 198832 | Dust mite | SCITpurified  SCITcrude  Placebo | 1 year | Nasal provocation challenge | 48.1±3.8  53.8±5.6  43.8±3.9 | 36.2±4.7  33.9±5.9  42.3±4.8 | SCIT pure pre vs post, p<0.05  SCIT crude pre vs post, p<0.05  SCIT pure vs placebo, p<0.05 |
| Naclerio 199754  Iliopoulos 199155 | Rag weed | SCIT  Placebo | 1 year | Nasal provocation challenge |  |  | SCIT pre vs post,  no significant changes |