**TABLE E8.- medication scores - SLIT**

| **Study** | **Allergen** | **Arms** | **Time of measure** | **Scale description** | **SCORE** | **Value Pre** | **Value post** | **Comparative values** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Purello-D’Ambrosio  19991 | Parietaria | SLIT  Placebo | 10 months | Unspecified |  | NR  NR | NR  NR | SLIT pre vs post p<0.05  60% Percentage improvement |
| Pajno,  20002 | Dust mite | SLIT  Placebo | 2 years | Unspecified |  | 259.7  296 | 82.7  205.2 | SLIT vs Placebo p <0.0001 |
| Cortellini 2010 4 | Alternaria | SLIT  Placebo | 10 months | Medication score | 0-2 per medication per day | 97  83 | 40  94 | SLIT vs Placebo p=0.02 |
| Lue,  20067 | Dust mite | SLIT  Placebo | 6 months | Unspecified |  | 1.7 +/- 1.08  1.25 +/- 0.72 | 1.0 +/- 0.94  1.1 +/- 1.15 | SLIT pre vs Post p = 0.034  Placebo pre vs Post p= 0.432  SLIT vs Placebo p = 0.366 |
| Niu,  20068 | Dust mite | SLIT  Placebo | 24 weeks | Medication scores antihistamines and oral corticosteroids |  |  |  | SLIT vs Placebo p  No significant change |
| Okubo, 200811 | Japanese Cedar | SLIT  Placebo | End of season (april) | Medication score |  |  | 0.44  0.36 | SLIT pre vs Post p NS  Placebo pre vs Post p NS |
| Troise, 199568 | Parietaria | SLIT  Placebo | Peak season  (4 months) | 0 to 3 grading the medications required | 1-3 | NR  NR | 25.6  250.2 | SLIT vs Placebo P<0.05 during peak season |
| Tseng, 200815 | Dust mite | SLIT  Placebo | 24 weeks | Need of antihistimine tablets |  | 0.38 +/- 0.44  0.62 +/- 0.65 | 0.25 +/- 0.51  0.53 +/- 0.69 | SLIT pre vs Post p = 0.826  Placebo pre vs Post p = 0.312 |
| Tseng, 200815 | Dust mite | SLIT  Placebo | 24 weeks | beta-2 agonist puffs per day |  | 0.04 +/- 0.13  0.05 +/- 0.17 | 0.04 +/- 0.12  0.04 +/- 0.15  1024 | SLIT pre vs Post p = 0 .932  Placebo pre vs Post p = 0.843  SLIT vs Placebo p= 0.74 |
| deBot  201116 | Dust mite | SLIT  placebo | 2 years | Proportion of days with rescue meds |  | NR | 0.21  0.26 | SLIT vs Placebo NS |
| La Rosa 199918  Leonardi 200919 | Parietaria | SLIT  Placebo | 2 years | Anti-rhinitis medication score |  |  |  | SLIT vs Placebo p NS |
| Bowen, 200420 | Ragweed | SLIT  Placebo | 3 months  (end of pollen season) | Unspecified |  |  | 1.05 +/- 1.60  1.26 +/- 1.24 | SLIT vs Placebo p = 0.36 |
| Skoner, 201021 | Short Ragweed | SLIT- high dose  SLIT- medium dose  Placebo | Weeks 10-18 | Total medication score | 0-3 | NR  NR  NR | 0.0003+/- 1.64  0.16 +/- 0.92  0.63 +/- 1.06 | High vs Medium p= 0.59  High vs Placebo p= 0.004  Medium vs Placebo p = 0.12 |
| Makino, 201023 | Japanese Cedar | SLIT  Placebo | 5 months | Unspecified |  |  | 39.4 +/- 12.5  56.0 +/- 16.1 | SLIT vs Placebo p= 0.42 |
| Lima,  200225 | Timothy | SLIT  Placebo | 18 months | rescue medication use |  |  | 1418  2569 | SLIT vs Placebo p= 0.19  45% improvement SLIT |
| Ott,  200827  Sieber 201228 | Grass mix | SLIT  Placebo | End of season 4 | unspecified |  |  | 0.07+/- 11.69  -0.98 +/- 2.61 | SLIT vs Placebo p= 0.8397 |
| Panzner, 200829 | Grass mix | SLIT  Placebo | End of pollen season  (September 2004) | rescue medication intake score |  | NR  NR | 4.60  13.93 | SLIT vs Placebo p= 0.036 |
| Voltolini  2001 32 | Alder, birch, hazel | SLIT  medication | 2 yrs | Medication score | 0-3 per med per day | 87.86  61.62 | 29.09  66.7 | SLIT pre vs post p=0.0076  SLIT vs Meds p=0.0097  Mag of effect =39% |
| Roder,  200730 | Grass mix | SLIT  Placebo | 2 years | % rescue med free days |  |  | 69.3 (3.4)  74.2 (3.2) | SLIT vs Placebo p=0.67 |
| Marogna, 200533 | White Birch | SLIT  Placebo | 3 years | Doses of Salbutamol used per month |  | 9  10 | 1.9  10.4 | SLIT vs Placebo p< 0.001 |
| Marogna  201035 | Birch | SLIT  monteleukast | 5 years | 1 point per nasal corticosteroid (NCS) or Beta agonist use. | NCS score;  Beta agonist score | NCS 15.8  (1.1 SEM)  Beta 20.1 (0.7)  NCS 16.6(1.0)  Beta 19.4 (0.9) | NCS 4.3(0.7)  Beta 4.0(0.9)  NCS 15.0(1.0)  Beta 15.8(1.0) | NCS  SLIT vs Montelukast p <0.05  Beta agonists:  SLIT pre vs post p<0.01,  Montelukast pre vs post  p =0.019  SLIT vs Montelukast p<0.0001 |
| Amar,  200936 | Timothy | SLIT mono  SLIT multi  Placebo | 15 months | Medication scores. 0-8 points per dose |  | 0.19  0.17  0.11 | 0.10  0.07  0.05 | P=0.7  comparison of the 3 arms |
| Marogna, 2009 37 | Grass mix | SLIT  Placebo | 5 years | Bronchodilators use |  | 23.0 +/- 1.5  22.4 +/- 0.9 | 5.1 +/- 1.4  13.0 +/- 1.2 | SLIT pre vs post p= 0.001  Placebo pre vs post p= 0.001  SLIT vs Placebo p= 0.01 |
| Marogna, 200937 | Grass mix | SLIT  Placebo | 5 years | Nasal corticosteroids use | NS | 19.1 +/- 2.2  24.8 +/- 3.1 | 6.0 +/- 0.9  26.0 +/- 2.3 | SLIT vs Placebo p< 0.001 |
| Marogna, 200740 | Birch and Grass | SLIT Birch alone  SLIT Grass alone  SLIT Birch + Grass  Pharmacotherapy | 4 years | Drug score during birch pollen season |  | 70  68  70  60 | 15  30  10  62 | Birch Vs. Pharm p< 0.001  Grass Vs. Pharm p< 0.001  Mix Vs. Pharm p< 0.001 |
| Marogna, 200740 | Birch and Grass | SLIT Birch alone  SLIT Grass alone  SLIT Birch + Grass  Pharmacotherapy | 4 years | drug score for grass pollen season |  | 70  65  68  65 | 30  10  10  65 | Birch Vs. Pharm p< 0.001  Grass Vs. Pharm p< 0.001  Mix Vs. Pharm p< 0.001 |
| Marogna, 200742 | Grass mix  Olive tree | SLIT  Placebo | 10 months | total medication scores |  | 2.44 +/- 3.13  2.41+/- 2.49 | 1.68+/- 2.16  1.41+/- 1.48 | SLIT pre vs post p =0.55  Placebo pre vs post p= 0.118 |
| Hirsch, 199743 | Dust mite | SLIT  Placebo | 1 year | pulmonary symptom relief medication |  |  | 5  8 | SLIT vs Placebo p NS |
| Hirsch, 199743 | Dust mite | SLIT  Placebo | 1 year | nasal symptom relief medication |  |  | 3  1 | SLIT vs Placebo p NS |
| Bush  201145 | Dust mite | High dose;  low dose;  placebo | 12-18 months | Reported as albuterol use per day, another score for antihistamine use per day | 1 point for loratadine/ alberterol,  2 points for azalastine; | Albuterol/  Antihistamine  0.0/0.0  0.0/0.03  0.01/0.21 | Albuterol/  Antihistamine  0.0/0.02  0.0/0.0  0.0/0.57 | No significant difference when compared to placebo either albuterol or antihistamine use when compared to placebo |
| Bahceciler, 200147 | Dust mite | SLIT  Placebo | 6 months | Beta-2 mimetic (agonist) use; 2-point scale | 0-1 | median: 0.17  range: 0-0.77  median: 0.17  range: 0-1 | median: 0.03  range: 0-0.48  median: 0.08  range: 0-0.29 | SLIT vs Placebo p=0.028 |
| Bahceciler, 200147 | Dust mite | SLIT  Placebo | 6 months | Inhaled corticosteroid (ICS) dose; 6-point scale | 0-5 | median: 3.5  range; 2-4  median: 3  range; 2-5 | median: 2  range; 1-3  median: 3  range; 0-5 | SLIT pre vs post p = 0.6  SLIT vs Placebo p = 0.67 |
| Guez, 200048 | Dust mite | SLIT  Placebo | 24 months | Unspecified | 1- no max | 9.2  10.2 | 4.1 (5.5)  6.1 (6.8) | SLIT vs Placebo p NS |
| Marogna  201049 | Dust mite  (PD20 is inclusion criteria) | SLIT 3 yrs;  SLIT 4 yrs;  SLIT 5 yrs. | 15 years | 1 point per med |  | 79  70  67 | 5 yr: , 20 yr:  9, 50  15,12  11,10 | P values not reported  (Note: values abstracted at of 5 years, then at year 20 before 2nd course of SLIT started in some groups) |
| Pajno 200350,  Pajno 200451 | Parietaria | SLIT  Placebo | Pollen season (April-June) | Drug scores |  |  | 0  2 | SLIT vs Placebo p =0.192 |
| Passalacqua199952 | Parietaria | SLIT  Placebo | End of pollen season  (8 months) | Drug intake scores means |  | 115.5  137.4 | 42.3  83 | SLIT pre vs post p =0.008  Placebo pre vs post p NS |
| Vervloet, 200753 | Mountain cedar | SLIT  Placebo | 4 months | Total medication score |  | NR  NR | 3.39 +/- 3.94  4.71+/- 5.0 | SLIT vs Placebo p = 0.03 |
| Vourdas, 199854 | Olive | SLIT  Placebo | Pollen season  Year 2 | Unspecified |  |  |  | SLIT vs Placebo p NS |
| Sabbah, 199431 | Grass mix | SLIT  Placebo | 17 weeks | Consumption of specific medications |  |  |  | Nasal and eye drops Cromoglycate / terfenadine  SLIT vs Placebo p<0.005  Betamethasone and dexchlopheniramine  SLIT vs Placebo p<0.005 |
| Pajno  201155 | Grass mix | Continous SLIT  Co-seasonal SLIT | 3 years | Percent reduction from baseline | 1 topical med;  2 systemic meds | NR | 70% reduction  50% reduction | Cont vs coseasonal: NS difference in amount of reduction of medication use |
| Feliziani, 199556 | Grass mix | SLIT  Placebo | End of pollen season | medications for rhinoconjunctivitis symptoms |  | NR  NR | 24.05  76 | SLIT vs Placebo p=0.002 |
| Pradalier, 199958 | Grass mix | SLIT  Placebo | 4 months (Scores for the entire pollen season) | Global medication score (cortisone and short acting beta agonists) |  |  | 1.77 +/- 2.27  2.13 +/- 2.74 | SLIT vs Placebo p NS |
| Valovirta, 200659  Savolainen 200660 | Tree mix | SLIT high dose  SLIT low dose  Placebo | Peak season | Unspecified | 0-8 |  | 4.5  5.5  6.5 | SLIT high vs placebo p=0.06 whole season, p=0.04 during peak season;  SLIT low vs placebo p=0.72 whole season, p=0.83 during peak season |
| De Blay, 200761 | Grass mix | SLIT  Placebo | 10 months | Medication scores. 0-5 points per dose | 0-66 |  | 7.18 +/- 11.6  9.15 +/- 10.8 | SLIT vs Placebo p=0.11 |
| Novembre,  200426 | Grass Mix | SLIT  Conventional ther | 3 years | Medication score | 1 per medication | NR | NR | SLIT vs Conventional p=0.02 |
| Tari,  199046 | Dust mite | SLIT  Placebo | 18 months | Medication score |  |  |  | 20% reduction of in medicine consumption in active group  No changes in placebo |
| Pozzan  201062 | Alternaria | SLIT;  placebo | 3 years | 1 point per med use, except 2 points for oral corticosteroid/ per day. One extra point added if meds used >20 days during peak exposure |  | 4.3  3.5 | 1.7  4.0 | SLIT vs Placebo p=0.0001 |

NS: Not significant