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

| **Study** | **Allergen** | **Arms** | **Time of measure** | **Scale description** | **SCORE** | **Value Pre** | **Value post** | **Comparative values** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Purello-D’Ambrosio19991 | Parietaria | SLITPlacebo | 10 months | Unspecified |  | NRNR | NRNR | SLIT pre vs post p<0.0560% Percentage improvement |
| Pajno, 20002 | Dust mite | SLITPlacebo | 2 years | Unspecified |  | 259.7296 | 82.7205.2 | SLIT vs Placebo p <0.0001 |
| Cortellini 2010 4 | Alternaria | SLITPlacebo | 10 months | Medication score | 0-2 per medication per day | 9783 | 4094 | SLIT vs Placebo p=0.02 |
| Lue, 20067 | Dust mite | SLITPlacebo | 6 months | Unspecified |  | 1.7 +/- 1.081.25 +/- 0.72 | 1.0 +/- 0.941.1 +/- 1.15 | SLIT pre vs Post p = 0.034Placebo pre vs Post p= 0.432SLIT vs Placebo p = 0.366 |
| Niu, 20068 | Dust mite | SLITPlacebo | 24 weeks | Medication scores antihistamines and oral corticosteroids |  |  |  | SLIT vs Placebo pNo significant change  |
| Okubo, 200811 | Japanese Cedar | SLITPlacebo | End of season (april) | Medication score |  |  | 0.440.36 | SLIT pre vs Post p NSPlacebo pre vs Post p NS |
| Troise, 199568 | Parietaria | SLITPlacebo | Peak season(4 months) | 0 to 3 grading the medications required | 1-3 | NRNR | 25.6250.2 | SLIT vs Placebo P<0.05 during peak season |
| Tseng, 200815 | Dust mite | SLITPlacebo | 24 weeks | Need of antihistimine tablets |  | 0.38 +/- 0.440.62 +/- 0.65 | 0.25 +/- 0.510.53 +/- 0.69 | SLIT pre vs Post p = 0.826Placebo pre vs Post p = 0.312 |
| Tseng, 200815 | Dust mite | SLITPlacebo | 24 weeks | beta-2 agonist puffs per day |  | 0.04 +/- 0.130.05 +/- 0.17 | 0.04 +/- 0.120.04 +/- 0.151024 | SLIT pre vs Post p = 0 .932Placebo pre vs Post p = 0.843SLIT vs Placebo p= 0.74 |
| deBot201116 | Dust mite | SLITplacebo | 2 years | Proportion of days with rescue meds |  | NR | 0.210.26 | SLIT vs Placebo NS |
| La Rosa 199918Leonardi 200919 | Parietaria | SLITPlacebo | 2 years | Anti-rhinitis medication score |  |  |  | SLIT vs Placebo p NS |
| Bowen, 200420 | Ragweed | SLITPlacebo | 3 months (end of pollen season) | Unspecified |  |  | 1.05 +/- 1.601.26 +/- 1.24 | SLIT vs Placebo p = 0.36 |
| Skoner, 201021 | Short Ragweed | SLIT- high doseSLIT- medium dosePlacebo | Weeks 10-18 | Total medication score | 0-3 | NRNRNR | 0.0003+/- 1.640.16 +/- 0.920.63 +/- 1.06 | High vs Medium p= 0.59High vs Placebo p= 0.004Medium vs Placebo p = 0.12 |
| Makino, 201023 | Japanese Cedar | SLITPlacebo | 5 months | Unspecified |  |  | 39.4 +/- 12.556.0 +/- 16.1 | SLIT vs Placebo p= 0.42 |
| Lima, 200225 | Timothy | SLITPlacebo | 18 months | rescue medication use |  |  | 14182569 | SLIT vs Placebo p= 0.1945% improvement SLIT |
| Ott, 200827Sieber 201228 | Grass mix | SLITPlacebo | End of season 4 | unspecified |  |  | 0.07+/- 11.69-0.98 +/- 2.61 | SLIT vs Placebo p= 0.8397 |
| Panzner, 200829 | Grass mix | SLITPlacebo | End of pollen season(September 2004) | rescue medication intake score |  | NRNR | 4.6013.93  | SLIT vs Placebo p= 0.036 |
| Voltolini 2001 32 | Alder, birch, hazel | SLITmedication | 2 yrs | Medication score | 0-3 per med per day | 87.8661.62 | 29.0966.7 | SLIT pre vs post p=0.0076SLIT vs Meds p=0.0097Mag of effect =39% |
| Roder, 200730 | Grass mix | SLITPlacebo | 2 years | % rescue med free days |  |  | 69.3 (3.4)74.2 (3.2) | SLIT vs Placebo p=0.67 |
| Marogna, 200533 | White Birch | SLITPlacebo | 3 years | Doses of Salbutamol used per month |  | 910 | 1.910.4 | SLIT vs Placebo p< 0.001 |
| Marogna201035 | Birch | SLITmonteleukast | 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 <0.05Beta agonists:SLIT pre vs post p<0.01,Montelukast pre vs post p =0.019SLIT vs Montelukast p<0.0001 |
| Amar, 200936 | Timothy | SLIT monoSLIT multiPlacebo | 15 months | Medication scores. 0-8 points per dose |  | 0.190.170.11 | 0.100.070.05 | P=0.7comparison of the 3 arms |
| Marogna, 2009 37 | Grass mix | SLITPlacebo | 5 years | Bronchodilators use |  | 23.0 +/- 1.522.4 +/- 0.9 | 5.1 +/- 1.413.0 +/- 1.2 | SLIT pre vs post p= 0.001Placebo pre vs post p= 0.001SLIT vs Placebo p= 0.01  |
| Marogna, 200937 | Grass mix | SLITPlacebo | 5 years | Nasal corticosteroids use | NS | 19.1 +/- 2.224.8 +/- 3.1 | 6.0 +/- 0.926.0 +/- 2.3 | SLIT vs Placebo p< 0.001 |
| Marogna, 200740 | Birch and Grass | SLIT Birch aloneSLIT Grass aloneSLIT Birch + GrassPharmacotherapy | 4 years | Drug score during birch pollen season |  | 70687060 | 15301062 | Birch Vs. Pharm p< 0.001Grass Vs. Pharm p< 0.001Mix Vs. Pharm p< 0.001 |
| Marogna, 200740 | Birch and Grass | SLIT Birch aloneSLIT Grass aloneSLIT Birch + GrassPharmacotherapy | 4 years | drug score for grass pollen season |  | 70656865 | 30101065 | Birch Vs. Pharm p< 0.001Grass Vs. Pharm p< 0.001Mix Vs. Pharm p< 0.001 |
| Marogna, 200742 | Grass mixOlive tree | SLITPlacebo | 10 months | total medication scores |  | 2.44 +/- 3.132.41+/- 2.49 | 1.68+/- 2.161.41+/- 1.48 | SLIT pre vs post p =0.55Placebo pre vs post p= 0.118 |
| Hirsch, 199743 | Dust mite | SLITPlacebo | 1 year | pulmonary symptom relief medication |  |  | 58 | SLIT vs Placebo p NS |
| Hirsch, 199743 | Dust mite | SLITPlacebo | 1 year | nasal symptom relief medication |  |  | 31 | SLIT vs Placebo p NS |
| Bush201145 | 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/Antihistamine0.0/0.00.0/0.030.01/0.21 | Albuterol/Antihistamine0.0/0.020.0/0.00.0/0.57 | No significant difference when compared to placebo either albuterol or antihistamine use when compared to placebo |
| Bahceciler, 200147 | Dust mite | SLITPlacebo | 6 months | Beta-2 mimetic (agonist) use; 2-point scale | 0-1 | median: 0.17range: 0-0.77median: 0.17range: 0-1 | median: 0.03range: 0-0.48median: 0.08range: 0-0.29 | SLIT vs Placebo p=0.028 |
| Bahceciler, 200147 | Dust mite | SLITPlacebo | 6 months | Inhaled corticosteroid (ICS) dose; 6-point scale | 0-5 | median: 3.5range; 2-4median: 3range; 2-5 | median: 2range; 1-3median: 3range; 0-5 | SLIT pre vs post p = 0.6SLIT vs Placebo p = 0.67 |
| Guez, 200048 | Dust mite | SLITPlacebo | 24 months | Unspecified | 1- no max | 9.210.2 | 4.1 (5.5)6.1 (6.8) | SLIT vs Placebo p NS |
| Marogna201049 | Dust mite(PD20 is inclusion criteria) | SLIT 3 yrs;SLIT 4 yrs;SLIT 5 yrs. | 15 years | 1 point per med |  | 797067 | 5 yr: , 20 yr:9, 5015,1211,10 | 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 | SLITPlacebo | Pollen season (April-June) | Drug scores |  |  | 02 | SLIT vs Placebo p =0.192 |
| Passalacqua199952 | Parietaria | SLITPlacebo | End of pollen season(8 months) | Drug intake scores means |  | 115.5137.4 | 42.383 | SLIT pre vs post p =0.008Placebo pre vs post p NS |
| Vervloet, 200753 | Mountain cedar | SLITPlacebo | 4 months | Total medication score |  | NRNR | 3.39 +/- 3.944.71+/- 5.0 | SLIT vs Placebo p = 0.03 |
| Vourdas, 199854 | Olive | SLITPlacebo | Pollen seasonYear 2 | Unspecified |  |  |  | SLIT vs Placebo p NS |
| Sabbah, 199431 | Grass mix | SLITPlacebo | 17 weeks | Consumption of specific medications |  |  |  | Nasal and eye drops Cromoglycate / terfenadine SLIT vs Placebo p<0.005Betamethasone and dexchlopheniramineSLIT vs Placebo p<0.005 |
| Pajno201155 | Grass mix | Continous SLITCo-seasonal SLIT | 3 years | Percent reduction from baseline | 1 topical med; 2 systemic meds | NR | 70% reduction50% reduction | Cont vs coseasonal: NS difference in amount of reduction of medication use |
| Feliziani, 199556 | Grass mix | SLITPlacebo | End of pollen season | medications for rhinoconjunctivitis symptoms |  | NRNR | 24.0576 | SLIT vs Placebo p=0.002 |
| Pradalier, 199958 | Grass mix | SLITPlacebo | 4 months (Scores for the entire pollen season) | Global medication score (cortisone and short acting beta agonists) |  |  | 1.77 +/- 2.272.13 +/- 2.74 | SLIT vs Placebo p NS |
| Valovirta, 200659Savolainen 200660 | Tree mix | SLIT high doseSLIT low dosePlacebo | Peak season | Unspecified | 0-8 |  | 4.55.56.5 | 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 | SLITPlacebo | 10 months | Medication scores. 0-5 points per dose | 0-66 |  | 7.18 +/- 11.69.15 +/- 10.8 | SLIT vs Placebo p=0.11 |
| Novembre,200426 | Grass Mix | SLITConventional ther | 3 years | Medication score | 1 per medication | NR | NR | SLIT vs Conventional p=0.02 |
| Tari, 199046 | Dust mite | SLITPlacebo | 18 months | Medication score |  |  |  | 20% reduction of in medicine consumption in active groupNo changes in placebo |
| Pozzan201062 | 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 |  | 4.33.5 | 1.74.0 | SLIT vs Placebo p=0.0001 |

NS: Not significant