**TABLE F11.- biomarkers – IgE- SCIT vs SLIT**

| **Study** | **Allergen** | **Arms** | **Time of measure** | **Biomarker** | **Value Pre** | **Value post** | **Units** | **Comparative values** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mauroa  2007 1 | Tree pollen | SLIT  SCIT | End of pollen season | IgE Bet v1 specific | 44.6±21.7  52.8±23.1 | 58.4±26.5  53.1±23.4 | kU/L | SLIT pre versus post p= NS  SCIT pre versus post p= NS |
| Piazza  1993 2 | Dust mite | SLIT  SCIT | 2 years | IgE Dp specific | NR  NR | NR  NR |  | Early conspicuous increase (p<0.005) around 3 months but returned to basal values at 2 years  no statistically significant change |
| Eifan  2010 5 | Dust mite | SLIT  SCIT  Pharmacotherapy | 1 year | IgE D.f/ D.pt specific | 51.1±38.9/ 59.4 ±42.9  63.6±37.7/ 69.8±45.3  60.4±37.7/ 72.4±29.5 | NR  NR  NR | IU/ml | D.f specific:  SCIT pre versus post p=0.03  SCIT versus Pharmacotherapy p=0.03  SLIT pre versus post p=0.04  Pharmacotherapy pre versus post p=NS  D.pt specific:  SCIT versus Pharmacotherapy p=0.03 |
| Mungan 19996 | Dust mite | SLIT  SCIT  Placebo | 1 year | IgE D.f/ D.pt specific | 505.05  311.89  288.40 | NR  NR  NR | kU/ml | No significant changes in all three arms at 12 months compared to baseline |
| Yukselen  20117 | Dust mites | SCIT  SLIT  Placebo | 1 year | HDM specific IgE | 80  68  80 | 42  48  75 | IU/ml | SCIT pre vs post p=0.01  SLIT pre vs post p=0.02  Placebo pre vs post p=0.65 |
| Keles  20118 | Dust mites | SCIT  SLIT  SCIT+SLIT  Pharmacotherapy | 1 year | Derp1 specific IgE | 62+/-52  67+/- 33  83+/-27  73+/- 37 | 61+/- 53  44+/-32  85+/-34  75+/-41 | IU/ml | No significant differences pre vs post in all groups.  No significant differences between IT groups and pharmacotherapy |
| Yukselen  20117 | Dust mites (D.pt + D.f) | SCIT  SLIT  Placebo | 1 year | D.pt and D.f specific IgG4 | NR | NR |  | SCIT pre vs post D.pt sIgG4 p=0.007  SCIT pre vs post D.f sIgG4 p=0.005  SCIT vs SLIT p=0.003 |
| Keles  20118 | Dust mites (D.pt and D.f) | SCIT  SLIT  SCIT+SLIT  Pharmacotherapy | 1 year | Derp1 specific IgG4 | 0.21+/0.37  0.14+/-0.1  0.11+/-0.03  0.11+/-.11 | 0.22+/-0.41  5.74+/-4.43  0.70+/-0.45  0.09+/-0.08 | Ua/ML | SCIT vs Pharmacotherapy p<0.05  SCIT+SLIT vs Pharmacotherapy p<0.05 |