**Appendix D. Evidence Tables for Subcutaneous Immunotherapy**

**TABLE D1. - STUDY CHARACTERISTICS SCIT**

1. **Table D1a. Study characteristics- SCIT- Asthma**

| **Study Author,**  **Year Country** | **Diagnosis** | **Seasonal or Perennial** | **Single or Multiple allergen** | **Allergen** | **Inclusion criteria** | **Funding source** |
| --- | --- | --- | --- | --- | --- | --- |
| Creticos 19961  USA | Asthma | Seasonal | Single | Weeds: Short ragweed | No previous immunotherapy  Positive skin test  Monosensitized individuals only | Government  Other |
| Hill 19822  Australia | Asthma | Seasonal | Single | Grass: rye | Age: Children  Positive skin test  Minimum duration of disease: 3 years | Non-profit  Industry |
| Altintas 19993  Turkey | Asthma | Perennial | Single | Dust mites: Dermatophagoides pteronyssinus | No previous immunotherapy  Positive skin test | Not stated |
| Bousquet 19854  France | Asthma | Perennial | Single | Dust mites: Dermatophagoides pteronyssinus | No previous immunotherapy  Positive specific IgE test  Positive skin test | Unclear |
| Bousquet 19885  France | Asthma | Perennial | Single | Dust mites: Dermatophagoides pteronyssinus | No previous immunotherapy  Positive specific IgE test  Positive skin test | Not stated |
| Garcia-Ortega 1993 6  Spain | Asthma | Perennial | Single | Dust mites: Dermatophagoides pteronyssinus | Age: 13 – 45 years  No previous immunotherapy  Positive specific IgE test  Positive skin test  Monosensitized individuals only  Minimum duration of disease: 1 year  Excluded Pregnancy | Not stated |
| Pifferi 20027  Italy | Asthma | Perennial | Single | Dust mites: Dermatophagoides pteronyssinus | No previous immunotherapy  Positive specific IgE test  Monosensitized individuals only | Not stated |
| Van Bever 19918  Belgium | Asthma | Perennial | Single | Dust mites: Dermatophagoides pteronyssinus | Positive specific IgE test  Positive skin test | Not stated |
| Van Bever 19909  Belgium | Asthma | Perennial | Single | Dust mites: Dermatophagoides pteronyssinus | Positive specific IgE test  Positive skin test | Not stated |
| Wang 200610  China | Asthma | Perennial | Single | Dust mites: Dermatophagoides pteronyssinus | Age: 6-45 years  Positive specific IgE test  Positive skin test | Industry |
| Schubert 200911  Germany | Asthma | Perennial | Single | Dust mites: Unspecified dust mites | Positive specific IgE test  Positive skin test | Not stated |
| Kohno 199812  Japan | Asthma | Perennial | Multiple | Dust mites: Dermatophagoides pteronyssinus and farinae | Positive specific IgE test  Positive skin test | Non-profit |
| Maestrelli 200413  Italy | Asthma | Perennial | Multiple | Dust mites: Dermatophagoides pteronyssinus and farinae | Age: 8-43 years  Positive specific IgE test  Positive skin test  Minimum duration of disease: 1 year | Government  Industry |
| Olsen 199714  Denmark | Asthma | Perennial | Multiple | Dust mites: Dermatophagoides pteronyssinus and farinae | Age: >18 years  Positive specific IgE test  Positive skin test  Excluded Pregnancy | Not stated |
| Ohman 198415  USA | Asthma | Perennial | Single | Animals: Cats | No previous immunotherapy  Positive skin test | Government  Non-profit |
| Van Metre198816  USA | Asthma | Perennial | Single | Animals: Cats | Positive specific IgE test  Positive skin test | Government  Other |
| Valovirta 198617  Valovirta 198418  Denmark- Finland | Asthma | Perennial | Single | Animals: Dogs | Age: 5-18 years  No previous immunotherapy  Positive specific IgE test  Positive skin test | Government  Non-profit |
| Malling 1986  Denmark- Sweden19 | Asthma | Seasonal | Single | Mold: Cladosporium | No previous immunotherapy  Positive skin test  Excluded Pregnancy | Government  Industry |
| Adkinson 199720  Limb 200621  USA | Asthma | Seasonal and Perennial | Multiple | Dust mites : Dermatophagoides pteronyssinus and farinae  Trees : white oak  Weeds: Short ragweed and English plantain  Grass: Grass mix and Bermuda grass  Molds: Alternaria, aspergillus cladosporium | Age: 5-12 years  Positive specific IgE test  Positive skin test  Minimum duration of disease:1 year | Government  Industry |

1. **Table D1b. Study characteristics- SCIT- Rhinitis**

| **Study Author,**  **Year Country** | **Diagnosis** | **Seasonal or Perennial** | **Single or Multiple allergen** | **Allergen** | **Inclusion criteria** | **Funding source** |
| --- | --- | --- | --- | --- | --- | --- |
| Polosa 200422  Polosa 200323 Italy | Rhinitis | Seasonal | Single | Weeds: Parietaria | Positive skin test  Monosensitized individuals only | Industry |
| Van Metre198024  USA | Rhinitis | Seasonal | Single | Weeds: Ragweed | Positive specific IgE test  Positive skin test | Government  Non-profit |
| Van Metre1982 25  USA | Rhinitis | Seasonal | Single | Weeds: Ragweed | Positive specific IgE test  Positive skin test  Minimum duration of disease: 2 years | Government  Non-profit |
| Franklin 196726  USA | Rhinitis | Seasonal | Multiple | Multiple allergens including ragweed | Positive skin test | Government |
| Ariano 199727  France-Italy | Rhinitis | Seasonal | Multiple | Trees: Tree mix (Cypress-Cedar) | Positive skin test | Not stated |
| Durham 199928  England and Canada | Rhinitis | Seasonal | Single | Grass: Timothy grass | Positive skin test | Government  Industry |
| Reid 198629  USA | Rhinitis | Seasonal | Multiple | Grass: Grass mix | Age: Older > 18 years old  Positive skin test  No previous immunotherapy | Not stated |
| Junqueira de Queiros 200830  Brasil | Rhinitis | Perennial | Single | Dust mites: Dermatophagoides pteronyssinus | No previous immunotherapy  Positive skin test  Excluded Pregnancy | Government  Non-profit |
| McHugh 199031  Ewan 1988 32  UK | Rhinitis | Perennial | Single | Dust mites: Dermatophagoides pteronyssinus | No previous immunotherapy  Positive skin test | Government  Non-Profit |
| Nanda 200433  USA | Rhinitis | Perennial | Single | Cat | Age: Older > 18 years old  Positive skin test  No previous immunotherapy  Excluded pregnancy | Government |

1. **Table D1c. Study characteristics- SCIT- Rhinoconjunctivitis**

| **Study Author,**  **Year Country** | **Diagnosis** | **Seasonal or Perennial** | **Single or Multiple allergen** | **Allergen** | **Inclusion criteria** | **Funding source** |
| --- | --- | --- | --- | --- | --- | --- |
| Crimi 200434  Italy | Rhinoconjunctivitis | Seasonal | Single | Weeds: Parietaria | Positive skin test | Industry |
| Bernstein 197635  USA | Rhinoconjunctivitis | Seasonal | Single | Weeds: Ragweed | Positive skin test | Industry  Not stated |
| Frew 200636  UK | Rhinoconjunctivitis | Seasonal | Single | Grass: Timothy grass | Age: 18 – 60 years  No previous immunotherapy  Positive specific IgE test  Positive skin test | Industry |
| Varney 199137 Durham 201038  Durham 199639  UK | Rhinoconjunctivitis | Seasonal | Single | Grass: Timothy | No previous immunotherapy  Positive skin test  Monosensitized individuals only | Industry |
| Shamji 201240  UK | Rhinoconjunctivitis | Seasonal | Single | Grass: Unspecified grass | Age: 18-60 years  No previous immunotherapy  Positive skin test | Industry |
| James 201141  UK | Rhinoconjunctivitis | Seasonal | Multiple | Grass: grass mix | Positive skin test | Government |
| Walker 200142  UK | Rhinoconjunctivitis | Seasonal | Multiple | Grass: grass mix | No previous immunotherapy  Monosensitized individuals only  Positive skin test | Industry |
| Frostad 198343  Norway | Rhinoconjunctivitis | Seasonal | Multiple | Grass mIx: Timothy grass,  Cocksfoot Meadow fescue  And ryegrass | Age: adults  No previous immunotherapy  Positive specific IgE test  Positive skin test  Minimum duration of disease: 2 years | Not stated |
| Klimek 199944  Germany | Rhinoconjunctivitis | Seasonal | Multiple | Grass: Grass mix  Trees: trees mix | Age: 15-50 years  No previous immunotherapy  Positive skin test | Government  Industry |
| Leynadier 200045  France | Rhinoconjunctivitis | Seasonal | Multiple | Grass mix: Orchard Meadow Perennial ryegrass sweet vernal grass and Timothy | Age 18-44 years  No previous immunotherapy  Positive specific IgE test  Positive skin test | Industry |
| The PAT study  Möller 200246 Niggeman200647  Jacobsen 200748  Multiple European countries | Rhinoconjunctivitis | Seasonal | Multiple | Trees: Birch  Grass: Timothy grass | Age: Children  No previous immunotherapy  Positive skin test  Monosensitized individuals only | Industry |
| Olsen 199549  Denmark | Rhinoconjunctivitis | Seasonal | Multiple | Weeds: Mugwort  Trees: Birch  Grass: Timothy | Age >18 years  No previous immunotherapy  Positive skin test  Minimum duration of disease: 2 years  Excluded Pregnancy | Not stated |
| Zenner 199650  Germany | Rhinoconjunctivitis | Seasonal | Multiple | Grass mix: Rye- Secale cereal and Grass mix | Age: 16-53 years  Positive skin test | Industry |
| Dreborg 201151  UK | Rhinoconjunctivitis | Perennial | Multiple | Grass: Timothy  Dust mite | Age: 17-55 years  No previous immunotherapy  Positive skin test  Excluded Pregnancy | Industry |

1. **Table D1d. Study characteristics- SCIT- Asthma and rhinitis**

| **Study Author,**  **Year Country** | **Diagnosis** | **Seasonal or Perennial** | **Single or Multiple allergen** | **Allergen** | **Inclusion criteria** | **Funding source** |
| --- | --- | --- | --- | --- | --- | --- |
| Ariano 200652  Italy | Asthma and  Rhinitis | Seasonal | Single | Weeds: Parietaria judaica | Age: 18-50 years  No previous immunotherapy  Minimum duration of disease: 2 years | Not stated |
| Ferrer 200553  Spain | Asthma and  Rhinitis | Seasonal | Single | Weeds: Parietaria judaica | Age: 15 – 55 years  Positive specific IgE test  Positive skin test  Monosensitized individuals only | Industry |
| Naclerio 199754  Iliopoulos 199155  USA | Asthma and  Rhinitis | Seasonal | Single | Weeds: Ragweed | Positive skin test | Government |
| Arvidsson 200456  Arvidsson 200257  Sweden | Asthma and  Rhinitis | Seasonal | Single | Trees: White birch | No previous immunotherapy  Positive specific IgE test  Positive skin test | Industry |
| Munoz Lejarazu, 199358  Spain | Asthma and  Rhinitis | Seasonal | Single | Grass: Timothy grass | No previous immunotherapy  Positive skin test  Positive specific IgE test  Monosensitized individuals only | Government |
| Nouri-Aria 200359  Walker 200142 UK | Asthma and Rhinitis | Seasonal | Single | Grass: Timothy grass | No previous immunotherapy  Positive skin test | Government  Non-profit |
| Muro 199960  Spain | Asthma and  Rhinitis | Perennial | Single | Dust mites: Dermatophagoides pteronyssinus | Age: 5-50 years  No previous immunotherapy  Positive skin test  Monosensitized individuals only  Minimum duration of disease: 2 years | Industry |
| Tabar 200561  Spain | Asthma and  Rhinitis | Perennial | Single | Dust mites: Dermatophagoides pteronyssinus | Positive specific IgE test  Positive skin test | Industry  Government |
| Newton 197862  UK | Asthma and  Rhinitis | Perennial | Single | Dust mites: Dermatophagoides farinae | No previous immunotherapy  Positive skin test  Monosensitized individuals only | Industry |
| Prieto 201063  Spain | Asthma and  Rhinitis | Seasonal | Single | Mold: Alternaria | Positive skin test | Industry |
| Horst 198964  France | Asthma and  Rhinitis | Seasonal | Single | Mold: Alternaria | No previous immunotherapy  Positive specific IgE test  Positive skin test  Monosensitized individuals only | Not stated |
| Tabar 200765  Spain | Asthma and  Rhinitis | Seasonal | Single | Mold: Alternaria | No previous immunotherapy  Positive specific IgE test  Positive skin test  Monosensitized individuals only | Government  Industry |
| Akmanlar 200066  Turkey | Asthma and  Rhinitis | Perennial | Multiple | Dust mites:Dermatophagoides pteronyssinus and farinae | Age: children  No previous immunotherapy  Positive skin test  Monosensitized individuals only | Not stated |
| Pichler 199667  Switzerland and  Denmark | Asthma and  Rhinitis | Perennial | Multiple | Dust mites: Dermatophagoides pteronyssinus and farinae | Positive specific IgE test  Positive skin test | Industry |
| Varney 200368  UK | Asthma and  Rhinitis | Perennial | Multiple | Dust mites: Dermatophagoides pteronyssinus | No previous immunotherapy  Positive skin test  Monosensitized individuals only | Industry |
| Petersen 198869  Denmark | Asthma and  Rhinitis | Perennial | Multiple | Trees: White birch and Tree mix | Positive skin test  pregnant women were excluded | Industry |
| Hedlin 199970  Denmark-Sweden | Asthma and  Rhinitis | Perennial | Multiple | Animals: Cats  Dust mites: Dermatophagoides pteronyssinus  Weeds | Age: Children  Positive skin test  Minimum duration of disease: 2 years | Non-profit  Industry |
| Cantani 199771  Italy | Asthma and  Rhinitis | Seasonal and Perennial | Multiple | Dust mites: Dermatophagoides pteronyssinus  Grass: Perennial ryegrass  Weeds: Parietaria | No previous immunotherapy  Positive skin test | Not stated |

1. **Table D1e. Study characteristics- SCIT- Asthma and Rhinoconjunctivitis**

| **Study Author,**  **Year Country** | **Diagnosis** | **Seasonal or Perennial** | **Single or Multiple allergen** | **Allergen** | **Inclusion criteria** | **Funding source** |
| --- | --- | --- | --- | --- | --- | --- |
| Mirone 200472  Italy | Asthma and  Rhinoconjunctivitis | Seasonal | Single | Weeds: Short ragweed | No previous immunotherapy  Positive skin test  Positive specific IgE test  Monosensitized individuals only | Industry |
| Osterballe 198273  Osterballe 198174  Osterballe 198075  Osterballe 198276 Denmark | Asthma and  Rhinoconjunctivitis | Seasonal | Single | Grass: Timothy grass | Monosensitized individuals only | Government  Industry |
| Pence 197577  USA | Asthma and  Rhinoconjunctivitis | Seasonal | Single | Trees: Mountain cedar | No previous immunotherapy  Positive skin test | Non-profit |
| Rak 200178  Rak 200579 Denmark- Sweden | Asthma and  Rhinoconjunctivitis | Seasonal | Single | Trees: Birch | Positive specific IgE test  Positive skin test | Government  Industry |
| Dreborg 198680  Multiple European countries | Asthma and  Rhinoconjunctivitis | Seasonal | Single | Mold: Cladosporium | No previous immunotherapy  Positive specific IgE test  Positive skin test | Industry |
| Kuna 201181  Poland | Asthma and  Rhinoconjunctivitis | Seasonal | Single | Mold: Alternaria | Age: Children 5-18 years  Positive skin test  Positive specific IgE test  Duration of disease: 2 years | Not stated |
| Weyer 198182  France | Asthma and  Rhinoconjunctivitis | Seasonal | Multiple | Grass: Grass mix | No previous immunotherapy  Positive skin test | Industry  Non-profit |
| Bousquet 199183  Bousquet 199184  France-Germany | Asthma and  Rhinoconjunctivitis | Seasonal | Multiple | Grass: Orchard grass  Trees: London plane and Olive  Weeds: Parietaria | No previous immunotherapy  Positive specific IgE test  Positive skin test | INSERM Grant |
| Chakraborty 200685  India | Asthma and  Rhinoconjunctivitis | Seasonal | Multiple | Trees: date sugar palm/wild date palm | No previous immunotherapy  Positive skin test | Government  Non-profit |
| Dolz 199686  Spain | Asthma and  Rhinoconjunctivitis | Seasonal | Multiple | Grass: Timothy Orchard ryegrass | Age: 15-35 years  No previous immunotherapy  Positive specific IgE test  Positive skin test  Monosensitized individuals only | Industry |
| Alvarez-Cuesta 199487  Spain | Asthma and  Rhinoconjunctivitis | Perennial | Single | Animals: cat | Age: 14-55 years  Positive specific IgE test  Positive skin test  Minimum duration of disease: 1 year | Not stated |
| Varney 199788  UK | Asthma and  Rhinoconjunctivitis | Perennial | Single | Animals: Cats | No previous immunotherapy  Positive skin test | Not stated |
| Tabar 201089 Spain | Asthma and  Rhinoconjunctivitis | Perennial | Single | Dust mite | Age: 5-45 years  Positive skin test  Positive specific IgE test | Government |