Lab Assignment

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| **Abstract #** | **Title** | **Year** | **Word Count** | **#Words (Verified by WordNet)** | **#Medical Words**  **(Verified by Bioportal / BioNLP)** |
| 1 | Early nonreactivity in the conjunctival provocation test predicts beneficial outcome of sublingual immunotherapy. | 2018 | 410 | 127 | 25 |
| 2 | The global development and clinical efficacy of sublingual tablet immunotherapy for allergic diseases. | 2018 | 265 | 85 | 41 |
| 3 | Does the increase in ambient CO2 concentration elevate allergy risks posed by oak pollen? | 2018 | 354 | 109 | 10 |
| 4 | Allergic Rhinitis and Its Relationship with IL-10, IL-17, TGF- β, IFN- γ, IL 22, and IL-35. | 2018 | 258 | 84 | 28 |
| 5 | Immunotherapy With the SQ Tree SLIT-tablet in Adults and Adolescents With Allergic Rhinoconjunctivitis. | 2018 | 370 | 112 | 22 |
| 6 | Identification of Cha o3 homolog Cry j4 from Cryptomeria japonica (Japanese cedar) pollen: Limitation of the present Japanese cedar-specific ASIT. | 2018 | 252 | 92 | 16 |
| 7 | Antigenic cross-reactivity between Schistosoma mansoni and pollen allergens from the birch tree (Betula verrucosa) and Timothy grass (Phleum pratense): involvement of shared glycan epitopes and implications for the hygiene hypothesis. | 2018 | 279 | 85 | 14 |
| 8 | Oral allergy syndrome. | 2018 | 210 | 79 | 29 |
| 9 | Prevalence and clinical characteristics of local allergic rhinitis to house dust mites. | 2018 | 243 | 80 | 23 |
| 10 | Characterization of a Major Allergen from Mongolian Oak, Quercus mongolica, a Dominant Species of Oak in Korea. | 2017 | 253 | 85 | 12 |

Abstract 1

|  |  |  |
| --- | --- | --- |
| Type | Count | Examples |
| PoS: Noun | 144 | Practice, Federal, tree/grass,  Ministry, year, CPT, trial,  participant, evaluation, tablet,  score, number, provocation |
| PoS:Verb | 43 | Allow, compare, be, use, show,  react, investigate, rate, predict,  divide, randomize, undergo |
| Medical Words: Disease | 16 | sublingual immunotherapy, SLIT, allergic rhinoconjunctivitis, rhinoconjunctivitis |
| Medical Words: Species | 9 | Patients, participants |

Abstract 2

|  |  |  |
| --- | --- | --- |
| Type | Count | Examples |
| PoS: Noun | 90 | Allergen, evidence, administration, use, experience, tablet, pharmacotherapy, formulation, corticosteroid, action, dust, aa, development, method, need |
| PoS:Verb | 36 | Include, compare, be, contain, prove, self-administer, develop, disintegrate, prevent, provide, enable, have, indicate, consider, demonstrate, inhale |
| Medical Words: Disease | 35 | sublingual immunotherapy, SLIT, allergic diseases, allergy immunotherapy, AIT, AR, allergic rhinitis, allergic asthma, allergic, asthma |
| Medical Words: Species | 4 | Patients, children |
| Medical Words: Chemicals | 2 | Corticosteroid, lyophilisate |

Abstract 3

|  |  |  |
| --- | --- | --- |
| Type | Count | Examples |
| PoS: Noun | 120 | Allergen, Allergon, bag, polyethylene, number, chamber, National, protein, grain, Suwon, Co., level |
| PoS:Verb | 45 | Study, be, select, mature, show, purify, amplify, bloom, have, attach, make, change, understand |
| Medical Words: Disease | 2 | allergy |
| Medical Words: Chemicals | 8 | CO2, polyethylene |

Abstract 4

|  |  |  |
| --- | --- | --- |
| Type | Count | Examples |
| PoS: Noun | 103 | Subject, prick, score, group, cytokine, ifn-γ, par, method, test, individual, level, tree |
| PoS:Verb | 37 | Include, think, compare, be, participate, nss.accompanied, aim, use, detect, research |
| Medical Words: Disease | 9 | Allergic rhinitis, AR |
| Medical Words: Gene | 9 | IL-10, IL-17, IL-22 |
| Medical Words: Species | 10 | Patients, patient |

Abstract 5

|  |  |  |
| --- | --- | --- |
| Type | Count | Examples |
| PoS: Noun | 128 | Allergen, subject, use, ige, administration, trial, participant, bet, tablet, DU, assessment, score, safety |
| PoS:Verb | 36 | Receive, compare, contain, be, occur, show, develop, investigate, suggest, initiate, induce, relate, conduct |
| Medical Words: Disease | 20 | sublingual immunotherapy, SLIT, allergic rhinoconjunctivitis, conjunctivitis, asthma, birch pollen season, BPS, rhinoconjunctivitis |
| Medical Words: Species | 1 | Participants |
| Medical Words: Gene | 1 | Bet |

Abstract 6

|  |  |  |
| --- | --- | --- |
| Type | Count | Examples |
| PoS: Noun | 113 | Allergen, blot, t-cell, potency, ige, basophil, acid, protein, counterpart, season, cha, homolog, tolerance |
| PoS:Verb | 35 | Encode, discover, couple, be, remain, use, perform, show, detect, require, control, investigate |
| Medical Words: Chemicals | 1 | Amino acid |
| Medical Words: Disease | 3 | Japanese cedar pollinosis, Japanese cypress pollinosis, allergy |
| Medical Words: Species | 12 | Cryptomeria japonica, Japanese cedar, male, j 4 |

Abstract 7

|  |  |  |
| --- | --- | --- |
| Type | Count | Examples |
| PoS: Noun | 99 | Allergen, egg, ccd, igg, gst, explanation, carbohydrate, acid, s-transferase, experiment, hygiene, rabbit, tms, antibody, level |
| PoS:Verb | 34 | Explain, be, select, reveal, identify, birch, show, understand, start, call, provide, implicate, find, improve, cross-react, have, raise, indicate, protect, undergo |
| Medical Words: Disease | 7 | Betula verrucosa, allergic symptoms, allergen-specific immunotherapy, SIT, allergy |
| Medical Words: Species | 3 | Patients, Schistosoma mansoni |
| Medical Words: Chemicals | 4 | Glutathione S, amino acid, carbohydrate |

Abstract 8

|  |  |  |
| --- | --- | --- |
| Type | Count | Examples |
| PoS: Noun | 87 | Couple, cucumber, type, nut, PFAS, frequency, food.patients, itching, melon, banana, test, tree, peach, allergy, diagnosis, history, basis, flavor, symptom, extract, word, datum, OAS |
| PoS:Verb | 29 | Be, swallow, cook, bring, start, show, cause, trigger, follow, call, confirm, result, search, review, continue, have, report, know, place |
| Medical Words: Disease | 24 | Oral allergy syndrome, OAS, pollen-food allergy syndrome, allergy, food allergy, pollen allergy, pollen, hypersensitivity, allergy |
| Medical Words: Species | 5 | Patients, cucumber, banana |

Abstract 9

|  |  |  |
| --- | --- | --- |
| Type | Count | Examples |
| PoS: Noun | 83 | Standard, allergen, country, evidence, ige, basophil, research, provocation, review, lar, dust, group, period, method, test, atopy, tree, diagnosis, asthma |
| PoS:Verb | 28 | Classify, be, need, update, focus, investigate, follow, differ, confirm, find, diagnose, define, have, report, assist, summarize, consider |
| Medical Words: Disease | 20 | local allergic rhinitis, LAR, rhinitis, allergic, allergic rhinitis, conjunctivitis, asthma, |
| Medical Words: Species | 3 | Patients |

Abstract 10

|  |  |  |
| --- | --- | --- |
| Type | Count | Examples |
| PoS: Noun | 93 | Allergen, subject, ige, alba, basophil, allergenicity, acid, pr-10, protein, Que, test, tree, diagnosis, elisa, sequence |
| PoS:Verb | 30 | Que, compare, be , use, perform, detect, inhibit, produce, characterize, have, clone, challenge, try, indicate |
| Medical Words: Disease | 3 | PR-10-like allergens, Korean tree pollinosis, tree pollinosis |
| Medical Words: Species | 2 | Patients |
| Medical Words: Chemicals | 1 | Amino acid |
| Medical Words: Gene | 6 | Bet, CD63 |