**Supplemental Table 1**: Comorbidities and Medications

**Supplemental Table 1A**. List of Comorbidities

|  |  |
| --- | --- |
| **NX-groupa** | **XP-groupb** |
| Anxiety disorder | Allergic rhinitis |
| Arthritis | Anemia |
| Asthma | Anxiety disorder |
| Cardiovascular disease | Arthritis |
| GERD | Asthma |
| Gilbert syndrome | Atherosclerosis |
| Hypertension | Autoimmune disease |
| Melanoma | Back pain |
| Migraines | Barretts esophagus |
| Temporomandibular disorders (TMDs) | Bronchitis |
| Diabetes Mellitus | Cardiomyopathy |
| Hypertension | Chronic obstructive pulmonary disease (COPD) |
| Hyperthyroidism | Chronic pruritus |
| Hypolipidemia | Clotting disorder |
| Osteoarthritis | Common variable immunodeficiency |
| Pre-diabetis | Connective tissue disease |
| Pre-hypertension | Depression |
| Pre-menopause | Diabetes mellitus |
| Renal disease | Disc degeneration |
|  | Diverticular disease |
|  | Dry eye syndrome |
|  | Dyslipidemia |
|  | Epstein Barr Virus infection |
|  | Fibromyalgia |
|  | GERD |
|  | GVHD |
|  | Hearing loss |
|  | Heart murmurs |
|  | Hemolytic anemia |
|  | Hepatitis-autoimmune |
|  | Herpes |
|  | Hiatal hernia |
|  | History of TB |
|  | HLAB27 |
|  | Hypercholesterolemia |
|  | Hypertension |
|  | Hyperthyroidism |
|  | Hypoparathyroidism |
|  | Hypothyroidism |
|  | Inflammatory polyarthritis |
|  | Interstitial cystitis |
|  | Iron deficiency |
|  | Irritable bowel syndrome (IBS) |
|  | Lichen planus |
|  | Lower back pain |
|  | Lung disease |
|  | Lupus\* |
|  | Menopause |
|  | Metabolic syndrome |
|  | Mild hyperlipidemia |
|  | Mitral valve prolapse |
|  | Multinodular goiter |
|  | Myalgia |
|  | Nephrolithiasis |
|  | Non-allergic rhinitis |
|  | Non-HIV STD |
|  | Non-HNC cancer |
|  | Non-oral candidiasis |
|  | Obesity |
|  | Ocular migraine |
|  | Oral lichen planus (OLP) |
|  | Osteoarthritis |
|  | Osteopenia |
|  | Osteoporosis |
|  | Pectus excavatum |
|  | Pericarditis |
|  | Peripheral neuropathy |
|  | Polymyositis |
|  | Raynaud’s |
|  | Reflux |
|  | Restless leg syndrome |
|  | Rheumatic heart disease |
|  | Rheumatoid arthritis\* |
|  | Rosacea |
|  | Sciatica |
|  | Scleroderma |
|  | Sicca\* |
|  | Sinusitis |
|  | **Sjogren's Syndrome** |
|  | Sleep apnea |
|  | Spondylarthritis |
|  | Stomatitis |
|  | Temporomandibular disorders (TMDs) |
|  | Thoracic aortic aneurysm |
|  | Thrombosis of the brachiocephalic vein |
|  | Thyroid nodule |
|  | Thyroiditis |
|  | Urinary incontinence |
|  | Urinary tract infection |
|  | Uveitis |
|  | Vertigo |
|  | VitB12 deficiency |
|  | VitD deficiency |

**Supplemental Table 1B.** List of Medications

|  |  |
| --- | --- |
| **NX-groupa** | **XP-groupb** |
| Advair-diskus | Acidophilus probiotic blend |
| Alaritin | Adderall |
| Alprazolam (PRN) | Advair |
| Amlodipine | Albuterol |
| Amlopodene | Amaryl |
| Asmanex | Ambien |
| Atorvastatin | Antivent |
| Atrovent nasal | Atorvastatin |
| Bystolic | Azelastine |
| Claritin | Buspar |
| Cyclobenzaprine | Bystolic |
| Ezetimibe | Ca+ carbonate |
| Flonase | Capsaicin |
| Gabapentin | Carbamazepine |
| Glipizide | Celebrex |
| Irbesartan | Celecoxib |
| Levothyroxine | Celexa |
| Lexapro | Cevimeline |
| Lisinopril HCTZ | Citrucel |
| Losartan HCTZ | Claritin |
| Magic Mouthwash | Clebrex |
| Metformin | Clobetasol |
| Metoprolal | Clobetasol topical |
| Nexplanon implant in arm | Clotrimalzole topical |
| Omeprazole | Colace |
| Pepaid | Colestid |
| Pravastatin | Cozaar |
| Ramipril | Crestor |
| Rosuvastatin | Cymbalta |
| Serevent Diskus | Deltasone |
| Simvastatin | Dexilant |
| Singular | Dichofenac sodium |
| Sitagliptin | Diflucan |
| Stor | Diphenhydramine HCL inj |
| Temovate cream | Dronabinol |
| Timolol drops | Dulera |
| Tizanidine | Duloxetine |
| Tylenol | DuoNeb Benlysta |
| Tyleyesl | Effexor |
| Valium | EpiPen |
| Ventolin | Estradiol patch |
| Xanax | Estradiol topical |
| Zocor | Evozac |
| Zyrtec | Extradiol patch |
|  | Famotidine |
|  | Fexofenadine |
|  | Flexeril |
|  | Flonase |
|  | Fluocinonide |
|  | Fluodinonide |
|  | Fluphenazine Hydrochloride (FL2) |
|  | Fluticasone |
|  | Flutidasone |
|  | Fosamax |
|  | Gabapentin |
|  | Gammaplex |
|  | HCTZ |
|  | Hycodan |
|  | Hydodan |
|  | Hydrochlorothiazide |
|  | Hydroquinone topical |
|  | Hydroxychloroquine |
|  | Hydroxycholorquine |
|  | Hydroxyzine |
|  | Hyoscyamine |
|  | Imitrex |
|  | Imodium |
|  | Insulin |
|  | Iovastan |
|  | Iron |
|  | Iron prilosec |
|  | Keppra |
|  | Ketoconazole cream |
|  | Ketodonazole dream |
|  | Ketorolac |
|  | Kiazepam |
|  | Klonopin |
|  | Lactobac |
|  | Lamictal |
|  | Levalbuterol |
|  | Levothyroxine |
|  | Lexapro |
|  | Lifitegrast ophthalimic |
|  | Lipitor |
|  | Lisinopril |
|  | Lorazepam |
|  | Losartan |
|  | Lovastatin |
|  | Lycopene |
|  | Magic Mouthwash |
|  | MBX rinse |
|  | Meclizine |
|  | Meloxicam |
|  | Metformin |
|  | Micarditis |
|  | Midamor |
|  | Mirena |
|  | Mirtazapine |
|  | Movantik |
|  | Mycelex troche |
|  | Nabumetone |
|  | Naproxen rizatriptan |
|  | Nasal spray |
|  | Neoprene patch |
|  | Neurontin |
|  | Newrontin |
|  | Nexium |
|  | Novofine |
|  | Nulev |
|  | Nystatin |
|  | Omnicef |
|  | Oxybutynin |
|  | Ozempic |
|  | Pantoprazole |
|  | Pepcid |
|  | Percocet |
|  | Phenergan |
|  | Phentermine |
|  | Pilocarpine |
|  | Pioglitazone |
|  | Plaquenil |
|  | Prair HFA90 |
|  | Pranimpexole |
|  | Pravachol |
|  | Prednisone |
|  | Premarin |
|  | Prevident 5000 |
|  | Prilosec |
|  | Privigen |
|  | Pro Air HFA |
|  | Pro air HFA90 |
|  | Probiotic |
|  | Progesterone |
|  | Protonix |
|  | Proventil |
|  | Pulmicort |
|  | Refresh digital opht |
|  | Remicaide |
|  | Restasis |
|  | Restoril |
|  | Rosuvastatin |
|  | Senna-gen |
|  | Sertraline |
|  | Setrakubem gabapentin |
|  | Simvastatin |
|  | Singular |
|  | Symbicort |
|  | Synthroid |
|  | Tenormin |
|  | Testosterone |
|  | Timolol |
|  | Tinactin |
|  | Tinadtin |
|  | Tizanidine |
|  | Tobradex |
|  | Topamax |
|  | Trazodone |
|  | Triamcinolone |
|  | Triamterene |
|  | Trizanicine |
|  | Tylenol |
|  | Valacyclovir |
|  | Valium |
|  | Vaniqua topical |
|  | Venlafaxine |
|  | Vistari |
|  | Vit B12 |
|  | Vit D |
|  | Vit D3 |
|  | Vitamin B12 |
|  | Vitamin D3 2000 |
|  | Voltaren |
|  | Voltavren |
|  | Warfin |
|  | Wellbutrin |
|  | Xanax |
|  | XIidra |
|  | Xopenex |
|  | Xylocaine |
|  | Zanaflex |
|  | Zantac |
|  | Zantad |
|  | Zetta |
|  | Zocor |
|  | Zofran |
|  | Zolipiden |
|  | Zomig-amt |
|  | Zyrtec |

**Footnote.** Complete list of **1A.** comorbidities and **1B**. medications reported by participants across each group.

**a**Non-xerostomic control subjects (NX-group)

**b**Xerostomic patients (XP-group)

Note: Within the XP-group in **1A**, primary autoimmunity associated with xerostomia is highlighted in **bold** and other autoimmune conditions causing xerostomia are depicted using asterisk (\*)