**Supplementary Table 1:** Anthropometric measurements and medical history of the patients donating gastric tissue

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| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Donor** | **Sex** | **Age** | **Ethnicity** | **Weight (kg)** | **BMI**  **(kg/m2)** | **Diabetic status** | **Drug class** | **Previous/ongoing history** | | 1 | F | 66 | White | 102 | 43.6 | Type 2 | Anticoagulant, Statin, Selective Serotonin Reuptake Inhibitor, Corticosteroids, Oestrogen, Analgesic Adjuvant, Proton Pump Inhibitor, Laxative | Wedge Fracture To Spine, Sleep Apnoea, Depression | | 2 | M | 53 | White | 133.8 | 40 | Type 2 | Statin, Selective Serotonin Reuptake Inhibitor, Opioid Analgesic, Analgesic Adjuvant, Antihyperglycemic, Calcium Channel Blocker, Non-Steroidal Anti-Inflammatory Drugs, Incretin Mimetics, Proton Pump Inhibitor | Diabetes, Hypertension, Hypercholesterolemia, Arthritis, Vitamin D Deficiency, Previous Appendectomy, Anal Fistula. Ex-Smoker, Snoring | | 3 | F | 33 | White | 119.4 | 45.7 | No | β₂ Adrenoceptor Agonist Bronchodilator | Mild Asthma | | 4 | F | 36 | Asian | 88 | 36.2 | Type 2 | Antihyperglycemic, Antihistamine, Thyroxine Analog, Β₂ Adrenergic Receptor Agonist Bronchodilator | Asthma | | 5 | F | 36 | White | 112.4 | 44.5 | No | Analgesic non-Opioid, Vitamin B12 | Osteoarthritis, Occasional acid reflux, Previously (Molar pregnancy, Gallstones, Obstructive Sleep Apnoea, Polycystic Ovarian Syndrome, Bursitis) | | 6 | F | 67 | Not stated | 124.6 | 43.1 | No | ACE Inhibitor, Thyroxine Analog, Statin, Calcium Channel Blockers, Analgesic Adjuvant | Chronic Kidney Disease, Mild Hypercalcaemia, Hypoparathyroidism | | 7 | F | 56 | White | 105 | 40 | No | β₂ Adrenergic Receptor Agonist Bronchodilator, Disease-Modifying Antirheumatic Drugs, Statin, Selective Serotonin Reuptake Inhibitor, Anticholinergic Bronchodilators | Depression, Arthritis, Back Pain | | 8 | F | 31 | Not stated | 183.6 | 62.1 | No | Records not obtained. | Apnoea, Snoring | | 9 | F | 49 | White | 141.6 | 54.6 | No | Opioid Analgesic, β2 Adrenoceptor Antagonist, Selective Serotonin Reuptake Inhibitor, Tricyclic Antidepressant, Oral Contraceptive | Osteoarthritis (Spine, Shoulders), Sleep Apnoea, Depression, Anxiety, Sciatica | | 10 | F | 55 | White | 116.2 | 42.68 | No | Anticoagulant, β1 Adrenoceptor Antagonist, Antifungal Polyene | Hypertension, Hypercholesterolaemia, Atrial Fibrillation, Vitamin D Deficiency | | 11 | F | 27 | Not stated | 144.4 | 53.04 | No | Records not obtained. | Records not obtained. | | 12 | F | 43 | White | 115 | 44.92 | No | Analgesic Adjuvant, Selective Serotonin Reuptake Inhibitor, Corticosteroid, Antihistamine, Proton Pump Inhibitor | Acid Reflux, Multiple Sclerosis | | 13 | F | 36 | White | 139.2 | 48.17 | Type 2 | Antihyperglycaemic | Diabetes, Fibromyalgia,  [Irritable Bowel Syndrome](https://www.nhs.uk/conditions/irritable-bowel-syndrome-ibs/" \l ":~:text=Irritable%20bowel%20syndrome%20(IBS)%20is,It's%20usually%20a%20lifelong%20problem.)  (mild) | | 14 | F | 38 | White | 138.9 | 44.34 | No | Atypical Antipsychotics, Serotonin–Norepinephrine Reuptake Inhibitor, Analgesic Opioid, Analgesic Adjuvant, Atypical Antipsychotic | Hypertension, Depression, Chronic Back Pain, Fibromyalgia, Lumbar Spondylosis, Vitamin D Deficiency | | 15 | F | 62 | White | 92.2 | 34.7 | No | Platelet Aggregation Inhibitor, Statin, Antihistamine | Previous Depression And Pancreatitis, Sleep Apnoea, Diabetes Post Pancreatitis, Chronic Renal Impairment, Hypertension, Hernia | | 16 | F | 40 | Black | 83.6 | 33.48 | No | Records not obtained. | Records not obtained. | | 17 | F | 25 | White | 92.6 | 38.54 | No | Proton Pump Inhibitor, Antihistamine , Vitamins | Mood Lability/ Anxiety | | 18 | F | 62 | Not stated | 164.6 | 58.32 | Type 2 | ACE Inhibitor, Antihyperglycemic, Thiazide-Like Diuretic, Long-Acting β2 Agonist, Statin, Proton Pump Inhibitor, Opioid Analgesic | Diabetes, Depression, Hypertension, Hypercholesterolaemia | | 19 | F | 52 | Black | 120.4 | 43.17 | No | Calcium Channel Inhibitor | Hypertension | | 20 | F | 40 | Black | 105.4 | 41.17 | No | Records not obtained. | Osteoarthritis (Knee Joint), Heavy Smoker, Previously (Pulmonary Embolism) | | 21 | F | 54 | Black | 128.4 | 47.16 | Type 2 | Statin, Vitamins, Opioid Analgesic, Proton Pump Inhibitor, Nonsteroidal Anti-Inflammatory Drug, Tricyclic Antidepressant, Angiotensin II Receptor Antagonist | Diabetes, Osteoarthritis, Sciatica, Hypertension, Mastodynia, | | 22 | F | 39 | White | 144 | 52.26 | No | β₂ Adrenoceptor Agonist Bronchodilator, Thyroid Hormone Analog, Inhaled Corticosteroid | Vitamin D Deficiency, Snoring /Apnoea, Hypothyroidism, Oedema In Limbs, Acid Reflux, Tachycardia | | 23 | F | 23 | Black | 182.2 | 67.74 | No | Selective Serotonin Reuptake Inhibitor | Hiatus Hernia | | 24 | F | 62 | Asian | 110.6 | 44.87 | Type 2 | Statin, Analgesic Non-Opioid, Vitamins, Anticoagulant, ACE Inhibitor, Analgesic Opioid, Proton Pump Inhibitor | Diabetes, Hypertension, Osteoarthritis (left knee replaced 5yrs ago), Chronic Kidney Disease (Stage3) | | 25 | F | 35 | Black | 145 | 41 | No | Antihyperglycemic, Serotonin–Norepinephrine Reuptake Inhibitor, Antihistamine | Polycystic Ovary Syndrome, Anxiety With Depression, Sciatica, Anaemia | | 26 | F | 51 | White | 105.48 | 37.37 | Type 2 | Antihyperglycemic | Diabetes, Hypertension | | 27 | M | 20 | Black | 174 | 50.84 | No | H2 Histamine Receptor Antagonist, Analgesic Adjuvant | Acid reflux (occasionally), Asthma, Hypertension | | 28 | F | 25 | White | 148.6 | 53.93 | No | Vitamins | Obstructive sleep apnoea, menorrhagia investigated for PCOS, smoking, | | 29 | M | 55 | White | 114.35 | 37.22 | Type 1 | β Adrenoceptor Antagonist, Statin, Nitrate, Corticosteroids, Anticoagulant | Diabetes, Depression, Hypertension, Asthma, Depression, Osteoarthritis, Left Ankle Pain (tendinopathy), Snoring, Acid Reflux, Hepatitis (2007), Ischaemic Heart Disease (stents), Pancreatitis (15 years ago), Smoker | | 30 | F | 36 | Asian | 123 | 46.29 | No | Thyroxine Analog | Hypothyroidism, Gout, Low Back Pain, Polycystic Ovary Syndrome | | 31 | F | 34 | Asian | 137.6 | 47.61 | No | Records not obtained. | Records not obtained. | | 32 | M | 42 | White | 136.6 | 46.17 | Type 1 | Records not obtained. | Previous Pancreatitis, Previous Gall Stones, Previous Cholecystectomy, Diabetes After Pancreatitis, Variable Diarrhoea | | 33 | F | 47 | White | 144 | 46.49 | No | β₂ Agonist, Serotonin–Norepinephrine Reuptake Inhibitor, Antiasthmatic, Tricyclic Antidepressant, Opioid, Statin, Vitamins | Fibromyalgia, Bile Acid Malabsorption Syndrome, Acid Reflux, Hiatus Hernia, Depression, Asthma, Hypertension, Arthritis | | 34 | M | 43 | Not stated | 123.6 | 38.15 | Type 2 | Antihyperglycemic, Vitamins, Proton Pump Inhibitor | Diabetes, Fatty Liver | | 35 | F | 39 | Black | 147 | 53.99 | No | ACE Inhibitor, Vitamins, β Adrenoceptor Antagonist | Records not obtained. | | 36 | F | 54 | White | 151 | 51.64 | Type 2 | ACE Inhibitor, Statin, Tricyclic Antidepressant, Antihyperglycamic, Selective Serotonin Reuptake Inhibitor, Calcium Channel Blocker, Proton Pump Inhibitor, Nonsteroidal Anti-Inflammatory Drug | Diabetes, Asthma, Chronic Back Pain, Depression, Hypertension, Lymphoedema, Morbid Obesity, Obstructive Sleep Apnoea, Sciatica, Non Alcoholic Steatohepatitis | | 37 | F | 23 | White | 136 | 45.97 | No | Oral Contraceptive, β Adrenoceptor Antagonist, Vitamin D, Anticoagulant, Vitamin B12, Proton Pump Inhibitor, Vitamins, Selective Serotonin Reuptake Inhibitor | Post-Traumatic Stress Disorder, Depression, Osteoarthritis of Knee, Hypogonadotropic Hypogonadism | | 38 | F | 56 | White | 108 | 37.37 | No | Xanthine Oxidase Inhibitors, Statin, Proton Pump Inhibitor, Oral Contraceptive | Sleep apnoea, Pain | | 39 | F | 49 | White | 120.1 | 47.51 | No | Anticoagulant, Proton Pump Inhibitor, Opioids, Vitamins | Gastritis, Hiatus Hernia, Oesophageal Dysmotility, Acid Reflux | | 40 | M | 53 | White | 107.1 | 39.61 | No | Xanthine Oxidase Inhibitors, Β Adrenoceptor Antagonist, Statin, Anticoagulant, Vitamin B12,  Incretin Mimetics, Vitamin D3, Proton Pump Inhibitor | Obesity, Hypertension, Adult Polycystic Kidney Disease, Pain | | 41 | F | 43 | White | 178 | 46.36 | No | Vitamin D3, Anticoagulant, Vitamin B12, Proton Pump Inhibitor, Vitamins | Joints Pain, Uterine Fibroids, Headache at time | | 42 | M | 54 | White | 132.5 | 58.12 | No | Records not obtained. | Alveolar Hypoventilation, Obstructive Sleep Apnoea, Snoring, Fibromyalgia | | 43 | F | 48 | White | 159.8 | 44.79 | No | Calcium Channel Inhibitor, Folic Acid, Vitamin B12, Thyroxine Analog, Disease-Modifying Anti-Rheumatic Drug, Vitamins | Psoriatic arthropathy, Hypothyroidism, Hypertension | | 44 | M | 51 | Not stated | 106 | 51.01 | No | Antihyperglycamic, Selective Serotonin And Norepinephrine Reuptake Inhibitors | Obstructive Sleep Apnoea, Obesity, Vitamin D Deficiency, Depression | | 45 | F | 58 | Black | 130.5 | 41.41 | No | Records not obtained. | Records not obtained. | | 46 | F | Records not obtained. | White | 97 | 49.73 | Type 2 | Anticoagulant, Proton Pump Inhibitor, Statin, Oral Contraceptive | Diabetes, Acid Reflux | | 47 | F | 61 | Black | 128 | 36.53 | Type 2 | ACE Inhibitor, Tricyclic Antidepressant, Calcium Channel Inhibitor, Diuretic, Proton Pump Inhibitor, β3 Adrenergic Agonists, Statin, Anti-Thyroid Agent | Osteoarthritis, Fatty Liver, Improving Thyrotoxic Multinodular Goitre, Essential Hypertension, Cholecystectomy, Atrial Septal Defect, Anterior Wall Prolapse | | 48 | F | 41 | White | 106.8 | 39.51 | Type 2 | Records not obtained. | Diabetes, Sleep Apnoea,  [Generalized Anxiety Disorder](https://adaa.org/understanding-anxiety/generalized-anxiety-disorder-gad) | | 49 | F | 55 | White | 145.6 | 43.33 | No | Vitamin D, Anticoagulant, Vitamin B12, Proton Pump Inhibitor, Vitamins, Opioid Nonsteroidal Anti-Inflammatory Drug, Disease-Modifying Antirheumatic Drug | Psoriasis, Rheumatoid Arthritis, Systemic Lupus Erythaematosus, Vitamin D Deficiency, Duodenitis, Helicobacter Gastritis | |  |  |  |  |  |  |  |  |