

Supplementary document

Table S1. Patients' characteristics with medication history and sample ID number

Patient ID	Age	Sex	Ethnic origin	Reason for surgery	Medical History	T2DM	Medication history
TP- HSV001	69	Male	British White	Coronary artery disease	T2DM, hypertension, hypercholesterolaemia	Yes	Metformin, atorvastatin, bisoprolol
TP- HSV002	70	Male	British White	Coronary artery disease	Hypertension, hypercholesterolaemia.	No	Aspirin, metformin, ramipril, ISMN, rosuvastatin, omeprazole, dapagliflozin
TP- HSV003	84	Male	British White	Coronary artery disease	Hypertension, hypercholesterolaemia	No	Aspirin, amlodipine, atorvastatin, bisoprolol
TP- HSV004	73	Male	British White	Coronary artery disease, aortic valve stenosis	Heart attack, peripheral vascular disease, rectal cancer	No	Allopurinol, clopidogrel, latanoprost, ramipril
TP- HSV005	58	Male	British	Coronary artery disease, recent MI: Jan 2020	Heart attack, hypertensive, asthmatic	No	Aspirin, ticagrelor, isosorbide dinitrate, bisoprolol, ramipril, atorvastatin, spiromax.
TP- HSV006	77	Male	British	Coronary artery disease	T2DM, MI (2000), Basal cell carcinoma (removed), IHD, epilepsy	Yes	Carbamazepine, verapamil, rosuvastatin, clopidogrel
TP- HSV007	66	Male	British	Coronary artery disease	MI (2000), hypothyroidism, myeloid dysplasia disorder	No	Amlodipine, nicorandil, perindopril
TP- HSV008	61	Male	White	Triple vessel disease	High cholesterol	No	Aspirin, bisoprolol, isosorbide mononitrate, atorvastatin, amlodipine, sertraline

TP- HSV009	69	Male	Caucasian	Coronary artery disease	Heart attacks (2003), BPH, Cholesterol +HTL	No	Aspirin, bisoprolol, colecalciferol, eplerenone, ESMN, ramipril atorvastatin, ranitidine, tamsulosin
TP- HSV010	68	Male	White British	Coronary artery disease	T2DM, hypertension, hypercholesterolaemia	Yes	Metformin, atorvastatin, bisoprolol
TP- HSV011	69	Male	White	Coronary artery disease	T2DM, heart attack, hypercholesterolaemia	Yes	Bisoprolol, atorvastatin, amlodipine, omeprazole, metformin and aspirin
TP- HSV012	73	Male	White	Coronary artery disease	High cholesterol	No	Isorsorbide(stopped due to surgery), bisoprolol, aspirin, allopurinol, tamsulosin, simvastatin and ramipril
TP- HSV013	48	Male	White	Coronary artery disease	Heart attack (August 2020), Kidney failure, Asthma, hypercholesterolaemia and recent sepsis	No	Carvedilol, furosemide, salbutamol, doxazosin, atovastatin, lansoprazole and ISMN
TP- HSV014	69	Male	White	Worsening angina	Not Known		Isorsorbide mononitrate, bisoprolol, aspirin, atovastatin and ramipril
TP- HSV015	54	Male	White	Coronary artery disease	Heart attack	No	Ramipril, atorvastatin, lansoprazole, aspirin, apixaban and lercanidipine
TP- HSV016	80	Male	White	Coronary artery disease	T2DM, Prostate CA, HTN, Carotid Artery disease	Yes	Clopidogrel, bisoprolol, amlodipine, ISMN atorvastatin, Lansoprazole, Ranolazine, tamsulosin

TP- HSV017	73	Male	White British	Coronary artery disease	Hypertension	No	Isorsorbide mononitrate, atenolol, amlodipine, atorvastatin, clopidogrel and nitrolingual pump spray
TP- HSV018	63	Male	White British	Coronary artery disease	T2DM, hypercholesterolaemia	Yes	Empagliflozin, Humilin mix, aspirin, losartan, amlodipine, atorvastatin and Sukkarto SR
TP- HSV019	63	Male	White British	Double Coronary vessel disease	Heart attack, Carpal tunnel syndrome, Osteoarthritis, Hypertension, Varicose vein	No	Empagliflozin, Carvedilol, Omeprazole, Glyceryl trinitrate, Cocodamol, Lactulose, Aspirin, Ramipril, Ezetimibe, Tildem Retard, Furosemide and Fenbid Firt (10% Gel)
TP- HSV020	68	Male	White	Coronary artery disease	Heart attack, left knee replacement, Osteoarthritis	No	Amlodipine, Gabapentin, Aspirin, Bisoprolol, Atorvastatin and Omeprazole
TP- HSV021	74	Male	White	Coronary artery disease	Heart attack, Perivascular vascular disease, Rheumatoid and Osteoarthritis	No	Amlodipine, Lanzoprazole, Citalopram, Paracetamol, Aspirin, Loperamide, Ramipril, Atorvastatin and Isorsorbide mononitrate
TP- HSV022	68	Male	White British	Coronary artery disease	Hypertension, Hypercholesterolemia	No	Aspirin, Bisoprolol, Atorvastatin and Omeprazole
TP- HSV023	72	Male	White	Coronary artery disease	T2DM, Gout, GORD, Hypertension, Hypercholesterolemia and BPH	Yes	Amlodipine, Lansoprazole, Clopidogrel, Doxazosin, Spironolactone, Atorvastatin, Finasteride, Allopurinol and Lercanidipine

TP- HSV024	63	Male	White British	Coronary artery disease	T2DM and heart attack	Yes	Aspirin, Bisoprolol, Atorvastatin, Lanzoprazole and Ramipril.
TP- HSV025	73	Male	White British	Coronary artery disease	Heart attack and hypertension	No	Ticagrelor, Amlodipine, Lanzoprazole, Deltapapin, Pantoprazole, Aspirin, Ramipril, Atorvastatin and Bisoprolol.
TP- HSV026	70	Male	White	Triple vessel disease	Covid 19 +ve, now -ve	No	Aspirin, Bisoprolol, Bimatropost and Ramipril
TP- HSV027	76	Male	White British	Coronary artery disease- recent myocardial infarction	Heart attack, Hypercholesterolemia and Gout	No	Throxin, atorvastatin, calcisine and lansoprazol
TP- HSV028	52	Male	White	Coronary artery disease	Heart attack and Hypercholesterolemia	No	Isosorbide mononitrate. Aspirin, Ramipril and Atorvastatin
TP- HSV029	75	Male	White British	Coronary artery disease	T2DM, Hypertension, Parkinson and Dyslipidaemia	Yes	Lansoprazole, metformin, aspirin, bisoprolol, co-caveldopa, furosemid, gliclizide, irbesatan, simvastatin and sitagliptin.
TP- HSV030	59	Male	White British	Coronary artery disease	Heart attack (2018)	No	Omeprazole, Losartan, Paracetamol, Aspirin, Oxycodone, Atorvastatin, isorsorbide mononitrate, and Bisoprolol.
TP- HSV031	72	Male	White British	Coronary artery disease	Sleep apnea, Gout, Diverticulosis, Bilateral osteoarthritis, shoulder replacement.	No	Allopurinol, Bisoprolol, Amiodarone, Furosemide, Lanzoprazole, Atorvastatin, isosorbide mononitrate, and Malirogol.

TP- HSV032	55	Male	White British	Coronary artery disease	Heart attack	No	Bisoprolol, Ramipril, Aspirin,Ticagrelor, Atovastatin, isosorbide mononitrate and Vitamin D3
TP- HSV033	57	Male	White British	Coronary artery disease	Heart attack, Hypertension and Hypercholesterolemia	No	Aspirin, Amlodipine,Atorvastatin, Ramipril and Bisoprolol
TP- HSV034	82	Male	White British	Coronary artery disease	Cancer	No	Aspirin,Atorvastatin, isosorbide mononitrate, omeprazole, lactulose and paracetamol
TP- HSV035	53	Male	White British	Coronary artery disease	Heart attack, kidney failure.	No	Aspirin,Atorvastatin, isosorbide dinitrate, Budesonide, Clopidogrel, Lansoprazole, Losartan, metoprolol, and venlafaxine
TP- HSV037	65	Male	White British	Coronary artery disease	Hypertension and hypercholesterolaemia	No	Amlodipine, atorvastatin, bisoprolol, ISMN and losartan.
TP- HSV038	63	Male	White British	Coronary artery disease	T2DM, Heart attack, Recent infection and Osteoarthritis	Yes	Lansoprazole, bisoprolol, amlodipine, candesartan, metformin, rosuvastatin, liraglutide, empagliflozin, ranolazine, aspirin. ISMN, glycerol trinitrate and paracetamol.
TP- HSV039	47	Male	White British	Coronary artery disease	Heart attack, recent infection-MSA.	No	Aspirin,Atorvastatin, Bisoprolol, Omeprazole, Ramipril, isosorbide mononitrate and paracetamol
TP- HSV040	65	Male	White British	Coronary artery disease	Aortic valve stenosis, Asthma	No	Bisoprolol, Enalapril, Simvastatin, Allupurinol, Nifedipine and Aspirin.

TP- HSV041	63	Male	White British	Coronary artery disease	T2DM, heart attack, total hip replacement	Yes	Aspirin, monomil, bisoprolol, rosuvastatin and clopidogrel
TP- HSV042	69	Male	White British	Coronary artery disease	Unstable angina, blood cancer, larynthritis, steoarthritis, hypothyroidism, hypertension, polythemia	No	Aspirin, cinnarizine, levothyroxine, solifenacin, ISMN, bisoprolol and paracetamol
TP- HSV043	69	Male	White British	Coronary artery disease	Borderline T2DM, eye peripheral vision loss due to embolus, COPD, Hypercholesterolemia	Yes	Losartan, digoxin, bisoprolol, simvastatin, elantin and Inipta
TP- HSV044	56	Male	White British	Coronary artery disease	T2DM, Heart attack, Asthma, left ventricular hypertrophy and acute coronary syndrome	Yes	Aspirin, allupurinol, bisoprolol, atorvastatin, doxozosin, indaprimed and ramipril
TP- HSV045	67	Male	White British	Coronary artery disease	Hypercholesterolaemia	No	Aspirin, atorvastatin, ramipril, tramadol, paracetamol, and oxycodone.
TP- HSV046	72	Female	White British	Coronary artery disease	Steroid-induced T2DM, Pancreatitis, chronic anaemia, myasthenia gravis, diverticulitis	Yes	Bisoprolol, Ezetimibe, Fenofexadine, Folic acid, Isosorbide mononitrate, Lansoprazole, Linagliptin, Losartan, Wicoradil, Prednisolone, Methotrexate
TP- HSV047	73	Male	White British	Coronary artery disease	Hypertension, Hypercholesterolaemia	No	Aspirin, Atorvastatin, Ferrous fumarate, ISMN, Ramipril, GTN Spray, Clopidogrel, Bisoprolol, and Nirondil.

TP- HSV048	73	Male	White	Aortic valve stenosis and coronary heart disease	T2DM, Heart attack, Thrombocytopenia, Hypertension, and Gilbert's disease	Yes	Aspirin, Atorvastatin, Doxazosin, Lisinopril, Metformin
TP- HSV049	73	Female	White	Coronary artery disease	Kidney failure (CKD Stage 3A), Hypercholesterolaemia	No	Aspirin, Amlodipine, Ezetimibe, Atorvastatin, cansoprazole, isorsobide mononitrate
TP- HSV050	68	Male	White	Coronary artery disease	Osteoarthritis, appendectomy, resection, tonsilectomy + aderoids and ex-smoker	No	Aspirin, Bisoprolol, Rosuvastatin, Lansoprazole, Citalopram, ISMN
TP- HSV051	76	Male	White	Coronary artery disease	Heart attack, Hypercholesterolaemia	No	Alfuzosin, Atorvastatin, and Oxybutynin
TP- HSV052	75	Male	White British	Coronary artery disease	T2DM	Yes	Citalopram, Metformin, Nicorandil, Pravastatin, Aspirin, ISMN, Lansoprazole, Ramdazine, Nicorandil, Azithromycin, Salbutamol and Fostail
TP- HSV053	69	Female	White British	Coronary artery disease	T2DM	Yes	Lansoprazole
TP- HSV054	57	Male	Asian	Coronary artery disease	Heart attack and hypercholesterolemia	No	Aspirin, Atorvastatin, Bisoprolol, Lansoprazole, Ramipril, Ranolazone, Codeine, Paracetamol, Resomni, and Mitazapine