e-Table 1. Drug classification

Category Name	Generic Name
Antiplatelets	clopidogrel, cilostazol, ticlopidine[2], beraprost, beraprost–long acting, complavin
Anticoagulants [2,3]	dabigatran
Statins[1,2,3]	atorvastatin[2], simvastatin, pitavastatin, fluvastatin, pravastatin, rosuvastatin, amlodipine/atorvastatin
Sodium channel blockers[4,5†]	mexiletine, aprindine, cibenzoline
Beta blocker	acebutolol[2]
Class III antiarrhythmic drugs	amiodarone[1–6]
Calcium channel blockers	bepridil[1], amlodipine/atorvastatin, telmisartan/amlodipine, valsartan/amlodipine, valsartan/cilnidipine, candesartan/amlodipine
Angiotensin/converting enzyme inhibitor[2‡]	enalapril
Thiazides	trichlormethiazide, hydrochlorothiazide[3,5], benzylhydrochlorothiazide/reserpine/carbazochrome, mefruside, telmisartan/hydrochlorothiazide, valsartan/hydrochlorothiazide, candesartan/hydrochlorothiazide, candesartan/trichlormethiazide, losartan/hydrochlorothiazide
NSAIDs	diclofenac[2], celecoxib, loxoprofen, etodolac, nabumetone, pranoprofen
Anti-rheumatics	actarit, iguratimod, tofacitinib, penicillamine[2–5], leflunomide[1,3], sodium aurothiomalate[2–6#], bucillamine
Leukotriene receptor antagonist[2*]	pranlukast
5-ASA	mesalazine, salazosulfapyridine[5]
Tricyclic antidepressant	Imipramine[5], cromipramine, maprotiline
Antiepileptics	valproate, phenytoin[2,3,5], ethotoin, carbamazepine[2–5], zonisamide
Interferon[1,2,3]	interferon/alpha/2b, interferon/alpha, interferon/beta/1a, interferon/beta, interferon/gamma/1a, PEG/interferon/alpha/2a, PEG/interferon/alpha/2b
Immunogloblin[6]	thymoglobuline, zetbulin
Sulfamethoxazole/trimethoprim	sulfamethoxazole/trimethoprim[2]
Quinolones	levofloxacin, garenoxacin, moxifloxacin, pazufloxacin, tosufloxacin, sitafloxacin, ofloxacin, ciprofloxacin[2], norfloxacin, prulifloxacin, lomefloxacin
Tetracyclines	minocycline[2,3]
Beta-lactams	penicillin[2,5] (augmentin, amoxicillin, sultamicillin, piperacillin/tazobactam, piperacillin); cephalosporin[2] (cefoperazone/sulbactam, cefaclor, cefazolin, cefalexin, cefalotin, cefixime, cefepime, cefozopran, cefotaxime, cefotiam, cefoperazone, cefcapene, cefditoren, cefdinir, ceftazidime, ceftizoxime, ceftibuten, cefteram, ceftriaxone, cefpirome, cefpodoxime, cefminox, cefmetazole, cefmenoxime, cefroxadine, cefuroxime, flomoxef, latamoxef); penem (imipenem/cilastatin, tebipenem, doripenem, panipenem/betamipron, biapenem, faropenem, meropenem)
Anti-tuberculosis drugs	streptomycin, rifampicin[2], isonicotinyl hydrazide methanesulfonate, isoniazid[2,3,5], ethambutol
EGFR inhibitors	afatinib, erlotinib[1,3], gefitinib[1–3,6]
Molecular targeted drugs	imatinib[1,3], sunitinib[6], sorafenib, vandetanib, pazopanib, bortezomib, lapatinib
Anti PD-1 antibody	nivolumab[1]
Anti CTLA4 antibody	ipilimumab[1]
mTOR inhibitor[1]	everolimus

Platinum	oxaliplatin[6], carboplatin[6], cisplatin[6], nedaplatin, miliplatin
Topoisomerases	irinotecan[1,6], nogitecan, etoposide[3,6], sobuzoxane
Pyrimidine	capecitabine, gemcitabine[1–3,6], cytarabine ocfosfate, cytarabine[2,3,6], tegafur/gimeracil/oteracil, 5-fluorouracil[4,6], trifluridine, doxifluridine
Anthracyclines	amrubicin, epirubicin, adriamycin[4], doxorubicin[2,3,6], pirarubicin, mitoxantrone
Biological products	infliximab[2,3,6], adalimumab[2,3], abatacept, ustekinumab, etanercept, golimumab, certolizumab, ofatumumab, gemtuzumab, trastuzumab[3], trastuzumab emtansine, panitumumab[1], bevacizumab[3], mogamulizumab, rituximab[1,3,6], tocilizumab[1]
Microtubule polymerisation inhibitors	eribulin, vinblastine[2–4,6], docetaxel[1,3,6], nab-paclitaxel, paclitaxel[2,3,6], vinorelbine[6], vindesine[4,6]
Purine metabolism antagonists	azathioprine[3,4,6], mizoribine, cladribine, fludarabine[3,6]
Folic acid antagonists	methotrexate[1–6], pemetrexed[1]
DNA synthesis inhibitors	bleomycin[1–6], peplomycin, mitomycin[2–4,6]
Hormone therapy drugs	goserelin, degarelix, leuprorelin[6], danazol, bicalutamide, flutamide[3], anastrozole, tamoxifen
Alkylators	ifosfamide, cyclophosphamide[1–4,6], temozolomide, nimustine, busulfan[3,4,6], procarbazine[3,4,5], bendamustine, melphalan[3,4,6], ranimustine
Cytokine[6**]	celmoleukin
Thalidomide	thalidomide[3]
Retinoid	tretinoin[2,6]
BCG[3]	immucyst

NSAIDs: non-steroidal anti-inflammatory drugs; 5-ASA: 5-aminosalicylic acid; GCSF: granulocyte-colony stimulating factor; EGFR: epidermal growth factor receptor; ALK: anaplastic lymphoma kinase; PD-1: programmed cell death 1; CTLA4: cytotoxic T-lymphocyte-associated antigen 4; DNA: deoxyribonucleic acid; BCG: Bacille Calmette Guerin

†, referred to lidocaine; ‡, referred to captopril; #, referred to as gold or gold salts; *, referred to zafirleukast; **, referred to IL-2 and Tumor necrosis factor

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e-Tables 2. Population of patients prescribed drugs with potential risk during hospitalisation

Drug category with potential risk	Prescribed during hospitalisation				Prescribed before corticosteroids during hospitalisation			
	Cases (n = 1,541)		Controls (n = 5,677)		Cases (n = 1,541)		Controls (n = 5,677)	
	n	%	n	%	n	%	n	%
Antiplatelets	111	7.2	353	6,2	44	2.9	150	2.6
Anticoagulants	14	0.9	34	0.6	7	0.5	11	0.2
Statins	200	13	763	13	60	3.9	294	5.2
Sodium channel blockers	27	1.8	67	1.2	10	0.6	30	0.5
Beta blocker	0	0	1	0.01	0	0	1	0.02
Class III antiarrhythmic drugs	70	4.5	72	1.3	45	2.9	36	0.6
Calcium channel blockers	19	1.2	49	0.9	5	0.3	17	0.3
Angiotensin/converting enzyme inhibitor	46	3.0	173	3.0	16	1.0	73	1.3
Thiazides	43	2.8	159	2.8	11	0.7	67	1.2
NSAIDs	791	51	2159	38	360	23	952	17
Anti-rheumatics	5	0.3	27	0.5	1	0.06	6	0.1
Leukotriene receptor antagonist	5	0.3	33	0.6	0	0	6	0.1
5-ASA	20	1.2	47	0.8	3	0.2	10	0.2
Tricyclic antidepressant	5	0.3	16	0.3	1	0.06	8	0.1
Antiepileptics	42	2.7	170	3.0	16	1.0	53	0.9
Interferon	2	0.1	12	0.2	2	0.1	8	0.1
Immunogloblin	1	0.1	1	0.02	0	0	0	0
Sulfamethoxazole/trimethoprim	921	60	433	7.6	30	1.9	47	0.8
Quinolones	662	43	1106	19	175	11	246	4.3
Tetracyclines	117	7.6	167	2.9	41	2.7	71	1.3
Beta-lactams	1274	83	3460	61	639	41	1942	34
Anti-tuberculosis drugs	53	3.4	67	1.2	14	0.9	28	0.5
EGFR inhibitors	109	7.1	226	4.0	76	4.9	109	1.9
Molecular targeted drugs	23	1.5	55	1.0	3	0.2	7	0.1
Anti PD-1 antibody	1	0.06	2	0.03	1	0.06	1	0.02
Anti CTLA4 antibody	0	0	0	0	0	0	0	0
mTOR inhibitor	3	0.2	7	0.1	2	0.1	5	0.09
Platinum	114	7.4	663	12	4	0.3	11	0.2
Topoisomerases	51	3.3	221	3.9	3	0.2	5	0.09
Pyrimidine	121	7.9	338	6.0	16	1.0	54	1.0
Anthracyclines	51	3.3	132	2.3	9	0.6	12	0.2
Biological products	45	2.9	198	3.5	3	0.2	5	
Microtubule polymerisation inhibitors	147	9.5	378	6.7	4	0.3	11	0.09
Purine metabolism antagonists	6	0.4	21	0.4	0	0	2	0.04
Folic acid antagonists	59	3.8	249	4.4	3	0.2	4	0.07
DNA synthesis inhibitors	4	0.3	5	0.09	1	0.06	3	0.05
Hormone therapy drugs	18	1.2	34	0.6	8	0.5	10	0.17
Alkylators	69	4.5	118	2.1	0	0	4	0.07
Cytokine	0	0	0	0	0	0	0	0
Thalidomide	1	0.06	5	0.09	0	0	1	0.02
Retinoid	0	0	2	0.04	0	0	0	0

BCG	1	0.06	0	0	0	0	0	0

NSAIDs: non-steroidal anti-inflammatory drugs; 5-ASA: 5-aminosalicylic acid; EGFR: epidermal growth factor receptor; PD-1: programmed cell death 1; CTLA4: cytotoxic T-lymphocyte-associated antigen 4; DNA: deoxyribonucleic acid; BCG: Bacille Calmette Guerin