

Name	Indications	Heart effects	HTN	Kidney damage	Others Toxicity	Interactions with antihypertensive drugs	Hepatic Failure correction/ Renal correction
Farmaci antineoplastici e ipertensione arteriosa							
Antimetabolites: Purine analogs							
Clofarabine	Lymphatic acute leukemia	27,00%	yes	yes	myelotoxicity, hepatotoxicit, nephrotoxicity	no	yes (↓dose) yes(↓dose)
Natural agents: Vinca Alkaloids							
Vinblastine	Hodgkin/no Hodgkin lymphomas; testicles cancer; Kaposi's Sarcoma, breast cancer, mycosis fungoides	yes	yes	no	Myelotoxicity, gastrointestinal toxicity, thrombocytopenia	diltiazem; verapamil; felodipine; Nifedipine (increase of vinblastine)	yes (↓dose)/no
Vincristine	Hodgkin/no Hodgkin lymphomas; , rhabdomyosarcoma, leukemia	yes	yes	no	Myelotoxicity, neurotoxicity	diltiazem; verapamil; felodipine; Nifedipine	Yes (↓dose)/no
Natural agents: Taxanes							
Paclitaxel	Ovarian cancer; metastatic breast cancer; no small cell lung cancer, Kaposi's sarcoma	2.3-8%	yes	no	Myelotoxicity, neurotoxicity; gastrointestinal/skin/liver toxicity	diltiazem; verapamil; felodipine; Nifedipine	yes (↓dose)/ND
Docetaxel	metastatic breast cancer; no small cell lung cancer, prostatic cancer, gastric cancer, head and neck cancer	2.3-8%	yes	no	anemia, thrombocytopenia, neutropenia/ leukopenia, hepatotoxicity arrhythmias;	diltiazem; verapamil; felodipine; Nifedipine	yes(↓dose)/ND
Variis: Anti Tyr Kinase Small Molecule							

Name	Indications	Heart effects	HTN	Kidney damage	Others Toxicity	Interactions with antihypertensive drugs	Hepatic Failure correction/ Renal correction
Dasatinib	acute lymphocytic leukemia and chronic myeloid leukemia	2-4%	yes	no	nausea/vomit, myelotoxicity, heart failure	ACEi / aliskiren / amlodipine/ thiazides/ alpha lithic/ ARBs/ beta blocker/ diuretics/ calcium antagonists	Caution/ND
Imatinib	acute lymphocytic leukemia and chronic myeloid leukemia, GIST	0.5-1.7%	Yes	no	Fluid retention, edema, myelotoxicity, gastrointestinal toxicity,	ACEi / aliskiren / amlodipine / thiazide / alpha lithic / ARBs/beta blocker / diuretics/ calcium antagonists	yes (↓dose)/yes (↓dose)
Lapatinib	Breast cancer	1.5-2.2%	Yes	no	Hand Foot Syndrome gastrointestinal toxicity, liver toxicity,	verapamil	yes (↓dose)/ND
Sorafenib	Liver and renal cancer	yes	Yes	yes	Hand Foot Syndrome, gastrointestinal toxicity, hemorrhage, lymphopenia	no	Yes (↓dose) /ND
Sunitinib	GIST; renal cancer	2.7-11%	Yes	yes	Heart failure, liver toxicity, hypertension, acute renal failure, hypo-hyperthyroidism, thromboembolism, myelotoxicity,,mucositis	ACEi / aliskiren/ thiazide/ alpha lithic/ARBs / beta blockers / diuretics/ calcium antagonists	ND/ND
Pazopanib	Renal cancer	yes	Yes	yes	hepatotoxicity,stroke/TIA, QT prolongation, angina, hypertensive crisis, gastrointestinal toxicity, myelotoxicity	Diltiazem, verapamil, sotalol,	yes (↓dose) /no

Name	Indications	Heart effects	HTN	Kidney damage	Others Toxicity	Interactions with antihypertensive drugs	Hepatic Failure correction/ Renal correction
Variuos: Monoclonal Antibody							
Bevacizumab	metastatic breast cancer; metastatic colon cancer, glioblastoma, non small cell lung cancer, renal cancer	1.7- 3%	Yes	yes	Heart failure, liver toxicity, hypertension ,gastro-intestinal perforation, hemorrhage, thromboembolism, angina, stroke	no	ND/ND
Hormones: Corticosteroids							
Prednisone	Prostatic cancer	no	yes	no	Adrenal insufficiency, Cushing syndrome, immunosuppression, diabetes mellitus, osteoporosis, gastrointestinal ulceration, steroid myopathy, sodium and fluid retention,	yes (increase risk of hypokaliemia)	ND/ND
Hormones: Antiandrogens							
Abiraterone acetate	Prostatic cancer	yes	yes	no	Hypokaliemia, hepatotoxicity, arrhythmias, heart failure, fluid retention, hypertension	Flecainide, propafenone,	yes/no
Hormones: Gonadotropin-releasing hormone analogues							

Sources are Toxnet and Epocrates.

Legend: Caution: if liver or renal function are altered, there are no standardized reductions of drug dosage, but in clinical practice usually dosage are reduced. HTN Hypertension; ND: not defined; ACEi: angiotensin converging enzyme inhibitor; ARB: angiotensin II receptor antagonists