

Table 1: Toxicities associated with common chemotherapy agents

Alkylating agents		Purine antimetabolites	
Examples:	melphalan, cyclophosphamide	Examples:	fludarabine
Main toxicities:	renal, hematologic	Main toxicities:	hematologic
Fluoropyrimidines		Cytidine analoges	
Examples:	5-FU, capecitabine	Examples:	cytarabine, gemcitabine
Main toxicities:	GI, hematologic	Main toxicities:	hematologic, neurologic, GI
Platinum compounds		Antifolates	
Examples:	oxaliplatin, cisplatin, carboplatin	Examples:	methotrexate, pemetrexed
Main toxicities:	renal, hematologic, neurologic	Main toxicities:	hematologic, neurologic, renal
Anthracyclines		Camptothecins	
Examples:	doxorubicin, daunorubicin, idarubicin	Examples:	topotecan, irinotecan
Main toxicities:	CV, hematologic, dermatologic	Main toxicities:	GI, hematologic
Antimicrotubule agents			
Examples:	vincristine, vinorelbine, paclitaxel, docetaxel		
Main toxicities:	hematologic, neurologic		

Table 2: Toxicities associated with common targeted agents

Tyrosine kinase inhibitors	
Agent	Main toxicities
Erlotinib	GI, dermatologic
Sorafenib	GI, dermatologic
Sunitinib	GI, dermatologic
Lapatinib	GI, dermatologic
Imatinib	GI, hematologic
Dasatinib	GI, hematologic
Monoclonal antibodies	
Agent	Main toxicities
Bevacizumab	CV, hematologic
Cetuximab	dermatologic, hematologic
Panitumumab	dermatologic
Trastuzumab	CV
Rituximab	immunologic, hematologic
Other agents	
Agent	Main toxicities
Bortezomib	hematologic, neurologic, GI
Thalidomide	CV, hematologic
Lenalidomide	CV, hematologic