



## NCI (National Cancer Institute) Common Toxicity Criteria Version 1

Category	Toxicity	Grade0	Grade1	Grade2	Grade3	Grade4
NEUROLOGICAL	Cerebellar	None	Slight incoordination, dysdiadokinesis	Intention tremor, dysmetria, slurred speech, nystagmus	Locomotor ataxia	cerebellar necrosis
NEUROLOGICAL	Mood	No change	Mild anxiety, depression	Moderate anxiety, depression	Severe anxiety, depression	Suicidal ideation
NEUROLOGICAL	Headache	None	Mild	Moderate or severe, transient	Severe, unrelenting	--
NEUROLOGICAL	Constipation	None or no change	Mild	Moderate	Severe	Ileus > 96 hrs
NEUROLOGICAL	Hearing	None or no change	Asymptomatic hearing loss on audiometry only	Tinnitus	Hearing loss interfering with function, correctable with aid	Deafness not correctable
NEUROLOGICAL	Vision	None or no change	--	--	Symptomatic subtotal loss	Blindness
SKIN	SKIN	None or no change	Scattered macular or papular rash or erythema that is asymptomatic	Scattered macular or papular rash or erythema with pruritis or other symptoms	Generalized symptomatic macular, papular, or vesicular rash	Exfoliative or ulcerating dermatitis
ALLERGY	ALLERGY	None	Transient rash, drug fever < 38°	Urticaria, drug fever = 38° mild bronchospasm	Serum sickness, bronchospasm requiring parenteral meds	Anaphylaxis
FEVER/NO INFECTION	FEVER/NO INFECTION	None	37.1 - 38.0°	38.1 - 40.0°	>40° for < 24 hrs	>40° for > 24 hrs or fever accompanied by hypotension

TISSUE	LOCAL	None	Pain	Pain & swelling with inflammation or phlebitis	Ulceration	Plastic surgery indicated
WEIGHT GAIN/LOSS	WEIGHT GAIN/LOSS	< 5.0%	5.0 - 9.9%	10.0 - 19.9%	>20%	--
METABOLIC	Hyperglycemia	< 116	116 - 160	161 - 250	251 - 500	>500 or ketoacidosis
METABOLIC	Hypoglycemia	>64	55 - 64	40 - 54	30 - 39	< 30
METABOLIC	Amylase	WNL	< 1.5 x N	1.5 - 2.0 x N	2.1 - 5.0 x N	>5.1 x N
METABOLIC	Hypercalcemia	< 10.6	10.6 - 11.5	11.6 - 12.5	12.6 - 13.5	>13.5
METABOLIC	Hypocalcemia	>8.4	8.4 - 7.8	7.7 - 7.0	6.9 - 6.1	< 6.0
METABOLIC	Hypomagnesemia	>1.4	1.4 - 1.2	1.1 - 0.9	0.8 - 0.6	< 0.5
PULMONARY	Pulmonary	None or no change	Asymptomatic with abnl PFT's	Dyspnea on significant exertion	Dyspnea with normal activity	Dyspnea at rest
CARDIAC	Dysrhythmias	None	Asymptomatic, transient requires no Rx.	Recurrent or persistent Requires no Rx.	Requires Rx.	Requires monitoring; or hypotension; or vent. tachycardia/fibrillation
CARDIAC	Function	WNL	Asymptomatic, resting ejection fraction Ø'd by <20% of baseline	Asymptomatic, resting ejection fraction Ø'd by >20% of baseline	Mild CHF, responds to Rx.	Severe, refractory CHF
CARDIAC	Ischemia	None	Nonspecific T-wave flattening	Asymptomatic, ST/T wave changes suggesting ischemia	Angina without evidence for infarction	Acute myocardial infarction
CARDIAC	Pericardial	None	Asymptomatic effusion, no Rx. required	Pericarditis - rub, chest pain, ECG changes	Symptomatic effusion, drainage required	Tamponade; drainage urgently required
BLOOD PRESSURE	Hypertension	None or no change	Asymptomatic, transient _ by >20 mm (D) or to >150/100 if previously WNL. No Rx.	Recurrent/persistent _ by >20 mm (D) or to >150/100 if previously WNL. No Rx.	Requires Rx.	Hypertensive crisis
			Changes not			

BLOOD PRESSURE	Hypotension	None or no change	requiring Rx. (includes transient orthostatic hypotension)	Requires fluids or other Rx. but not hospitalized	Requires Rx. and hospitalization; resolves within	Requires therapy and hospitalization for >48 h after stopping agent
NEUROLOGICAL	Sensory	None or no change	Mild paresthesias, loss of deep tendon reflexes	Mild or moderate objective sensory loss; moderate paresthesias	Severe objective sensory loss or paresthesias that interfere with function	--
NEUROLOGICAL	Motor	None or no change	Subjective weakness, no objective findings	Mild objective weakness, no significant loss of function	Objective weakness with loss of function	Paralysis
BLOOD/BONE MARROW	WBC (x1000/mm3)	>4.0	3.0-3.9	2.0-2.9	1.0-1.9	< 1.0
BLOOD/BONE MARROW	PLT (x1000/mm3)	WNL	75.0-WNL	50.0-74.9	25.0-49.9	< 25.0
BLOOD/BONE MARROW	Hgb (gm/dl)	WNL	10.0-WNL	8.0-10.0	6.5-7.9	< 6.5
BLOOD/BONE MARROW	ANC (x1000/mm3)	>2.0	1.5-1.9	1.0-1.4	0.5-0.9	< 0.5
BLOOD/BONE MARROW	Lymph (x1000/mm3)	>2.0	1.5-1.9	1.0-1.4	0.5-0.9	< 0.5
HEMORRHAGE	Hemorrhage	None	Mild, no Tx.per episode	Gross, 1-2 units Tx. per episode	Gross, 3-4 units Tx. per episode	Massive, >4 units Tx. per episode
INFECTION	Infection	None	Mild	Moderate	Severe	Life-threatening
GASTROINTESTINAL	Nausea	None	Able to eat	Able to eat reasonable intake	Unable to eat Ø intake	--
GASTROINTESTINAL	Vomiting	None	1 emesis/24 h	2-5 emeses/24 h	6-10 emeses/24 h	>10 emeses/24 h or parenteral support
GASTROINTESTINAL	Diarrhea	None	_ of 2-3 stools/d over pre-Rx	_ of 4-6 stools/d moderate cramping nocturnal stools	_ of 7-9 stools/d severe cramping incontinence	_ of >10 stools/d parenteral support grossly bloody stools
			Erythema,	Painful erythema,	Painful	Parenteral or enteral

GASTROINTESTINAL	Stomatitis	None	painless ulcers, mild soreness	edema, ulcers can eat	erythema, edema, ulcers cannot eat	support
HEPATIC	Bilirubin	WNL	--	< 1.5 x N	1.5-3.0 x N	>3.0 x N
HEPATIC	SGOT/SGPT	WNL	< 2.5 x N	2.6-5.0 x N	5.1-20.0 x N	>20.0 x N
HEPATIC	Alk Phos/5'Nucleotidase	WNL	< 2.5 x N	2.6-5.0 x N	5.1-20.0 x N	>20.0 x N
HEPATIC	Clinical	--	--	--	Precoma	Hepatic coma
RENAL/BLADDER	Creatinine	WNL	< 1.5 x N	1.5-3.0 x N	3.1-6.0 x N	>6.0 x N
RENAL/BLADDER	Proteinuria	No change	1+ or <0.3 gm% (<3 gm/L)	2-3+ or 0.3-1.0 gm% (3-10 gm/L)	4+ or >1.0 gm% (>10 gm/L)	Nephrotic syndrome
RENAL/BLADDER	Hematuria	Neg.	Microscopic	Gross, no clots	Gross + clots	Requires Tx.
ALOPECIA	Alopecia	No loss	Mild hair loss	Near or total hair loss	--	--
NEUROLOGICAL	Cortical	None	Mild somnolence, agitation	Moderate somnolence, agitation	Severe somnolence, agitation, confusion, disorientation, hallucinations	Coma, seizures, toxic psychosis
COAGULATION	Fibrinogen	WNL	0.99 - 0.75 x N	0.74 - 0.5 x N	0.49 - 0.25 x N	< 0.24 x N
COAGULATION	Protrombin time	WNL	1.01 - 1.25 x N	1.26 - 1.5 x N	1.51 - 2.0 x N	>2.0 x N
COAGULATION	Partial thromboplastin time	WNL	1.01 - 1.66 x N	1.67 - 2.33 x N	2.34 - 3.0 x N	>3.0 x N