National Cancer Institution (NCI) Toxicity Criteria

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Toxicity Grade	0	1	2	3	4					
Blood/Bone Marrow										
WBC	4.0	3.0 - 3.9	2.0 - 2.9	1.0 - 1.9	<1.0					
PLT	WNL	75.0 - normal	50.0 - 74.9	25.0 - 49.9	<25.0					
Hgb	WNL	10.0 - normal	8.0 - 10.0	6.5 - 7.9	<6.5					
Granulocytes/ Bands	2.0	1.5 - 1.9	1.0 - 1.4	0.5 - 0.9	<0.5					
Lymphocytes	2.0	1.5 - 1.9	1.0 - 1.4	0.5 - 0.9	<0.5					
Haemorrhage (clinical)	None	mild, no transfusion	gross, 1-2 units transfusion per episode	gross, 3-4 units transfusion per episode	massive, >4 units transfusion per episode					
Infection	None	mild	moderate	severe	life-threatening					
Gastrointestina	ıl			•						
Nausea	none	able to eat reasonable intake	intake significantly decreased but can eat	no significant intake						
Vomiting	none	1 episode in 24 hrs	2-5 episodes in 24 hrs	6-10 episodes in 24 hrs	>10 episodes in 24 hrs, or requiring parenteral support					
Diarrhoea	none	increase of 2-3 stools/day over pre-Rx	increase of 4-6 stools/day, or nocturnal stools, or moderate cramping	increase of 7-9 stools/day, or incontinence, or severe cramping	increase of 70 stools/day or grossly bloody diarrhoea, or need for parenteral support					
Stomatitis	none	painless ulcers, erythema, or mild soreness	painful erythema, oedema, or ulcers, but can eat	painful erythema, oedema, or ulcers, and cannot eat	requires parenteral or enteral support					

Foxicity Grade 0			1		2		3		4
Liver									
Bilirubin	WNL			ULN	ULN-1.5 x ULN		5 - 3.0 x ULN	>3.	.0 x ULN
Transaminase (SGOT, SGPT)	WNL	>UI	LN-2.5 X ULN	>2.5-5.0 X ULN		2.5-5.0 X ULN >5.0-20.0 X ULN		>20.0 x ULN	
Alkaline Phosphatase or 5'nucleotidase	WNL	>UI	.N-2.5 X ULN	>2.5-5.0 X ULN		>5.0-20.0 x ULN		>20	0.0 x ULN
Liver (clinical)	no change fro	om				precoma		hepatic coma	
Kidney, Bladder	Kidney, Bladder								
Creatinine	WNL	>UI	LN-1.5 x ULN	>1.5	>1.5 - 3.0 x ULN		>3.0 - 6.0 x ULN		.0 x ULN
Proteinuria	no change		or < 0.3 g% 3 g/L		s + or 0.3 - 1.0 or 3 - 10 g/L	4 + or > 1.0 g% or > 10 g/L		nephrotic syndrome	
Haematuria	negative	mic	ro only	gross, no clots		gross + clots		req	uires transfusion
Alopecia	no loss	mile	l hair loss	pronounced or total loss					
Pulmonary	none or no		mptomatic, with ormality in PFTs	dyspnoea on significant exertion		1	p noea at normal	dys	spnoea at rest

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Heart										
Cardiac dysrhythmias	no	one	transient, requiring		recurrent or persistent, no therapy required		requires treatment		requires monitoring or hypotension, or ventricular tachycardia, or fibrillation	
Cardiac function	no	ormal	decli eject less	ine of resting	asymptomatic, decline of resting ejection fraction by more than 20% of baseline value				Severe or refractory CHF	
Cardiac ischaemia	no	one		specific T-wave	asymptomatic, ST and T - wave changes suggesting ischaemia		angina without evidence of infarction			nte myocardial arction
Cardiac pericardial	nc	one	effus	nptomatic sion, no vention required			effu	_		nponade; drainage gently required
Blood Pressure										
Hypertension		ange	trans great Hg (>150 prev	ter than 20 mm D) or to 0/100 if iously WNL. reatment	y persistent increase		requires therapy l		hyj	pertensive crisis
Hypotension			thera trans	sient orthostatic	repla thera	acement or other apy but not oitalisation	hos	pitalisation; olves within 48 of stopping the	hos	quires therapy and spitalisation for >48 after stopping the ent

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Neurological					
Neuro sensory	none or no change	,	paresthesias	severe objective sensory loss or paresthesias that interfere with function	
Neuro motor	none or no change	subjective weakness; no objective findings	weakness without	objective weakness with impairment of function	paralysis
Neuro cortical	none	mild somnolence or agitation	moderate somnolence or agitation	severe somnolence, agitation, confusion, disorientation, or hallucinations	coma, seizures, toxic psychosis
Neuro cerebellar	none	incoordination,	intention tremor, dysmetria, slurred speech, nystagmus	locomotor ataxia	cerebellar necrosis
Neuro mood	no change	mild anxiety or depression	moderate anxiety or depression	severe anxiety or depression	suicidal ideation
Neuro headache	none	mild	moderate or severe but transient	unrelenting and severe	
Neuro constipation	none or no	mild	moderate	severe	ileus >96 hrs
Neuro hearing	none or no change	asymptomatic, hearing loss on audiometry only		hearing loss interfering with function but correctable with hearing aid	deafness not correctable
Neuro vision	none or no change			symptomatic subtotal loss of vision	blindness

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Skin	none or no change		scattered macular or papular eruption or erythema with pruritus or other associated symptoms	generalized symptomatic macular, papular, or vesicular eruption	exfoliative dermatitis or ulcerating dermatitis
Allergy	none	transient rash, drug fever <38°C, 100.4? F	urticaria, drug fever =38°C, 100.4?F mild bronchospasm	serum sickness, bronchospasm, req parenteral meds	anaphylaxis
Fever in absence of infection	none	37.1 - 38.0°C	38.1 - 40.0°C	>40.0°C for less than 24 hrs	>40.0°C (104.0°F) for more than 24 hrs or fever accompanied by hypotension
Local	none	pain	pain and swelling, with inflammation or phlebitis	ulceration	plastic surgery indicated
Weight gain/loss	<5.0%	5.0 - 9.9%	10.0 - 19.9%	20.0%	
Metabolic					
Hyperglycaemia	<116	116 - 160	161 - 250	251 - 500	>500 or ketoacidosis
Hypoglycaemia	>64	55 - 64	40 - 54	30 - 39	<30
Amylase	WNL	<1.5 x N	1.5 - 2.0 x N	2.1 - 5.0 x N	>5.1 x N
Hypercalcaemia	<10.6	10.6 - 11.5	11.6 - 12.5	12.6 - 13.5	13.5
Hyp ocalcaemia	>8.4	8.4 - 7.8	7.7 - 7.0	6.9 - 6.1	6 .0
Hypomagnesaemi a	>1.4	1.4 - 1.2	1.1 - 0.9	0.8 - 0.6	0.5

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Coagulation									
Fibrinogen	WNL	0.99 - (0.75 x N	0.74	- 0.50 x N	0.49	9 - 0.25 x N	0.2	4 x N
Prothrombin time	WNL	1.01 -	1.25 x N	1.26	5 - 1.50 x N	1.51	- 2.00 x N	>2.	00 x N
Partial thromboplastin time	WNL	1.01 -	1.66 x N	1.67	- 2.33 x N	2.34	4 - 3.00 x N	>3.	00 x N