CRASH (Chemotherapy Risk Age Scale for High Risk Patients) Scoring Analysis

Chemotherapy risk___(see table)		
Hematologic risk factors		
Diastolic blood pressure (greater than 72 = 1)		
IADL (less than 26 = 1)		
LDH (greater than 459 = 2)*		
Non-hematologic risk factors		
ECOG PS (1-2 = 1; 3-4 = 2)		
MMS (less than 30 = 2)		
MNA (less than 28 = 2)		
Heme score (incl. chemo risk)		
Non-heme score (incl. chemo risk)		
Combined score (count chemo risk only once)		

Individual risk

	CRASH score (points / % with severe toxicity)			
Sample	Heme subscore	Non-Heme subscore	Combined score	Risk Category
Derivation (n=347)	0-1: 7%	0-2: 33%	0-3: 50%	Low
	2-3: 23%	3-4: 46%	4-6: 58%	Int-Low
	4-5: 54%	5-6: 67%	7-9: 77%	Int-High
	Greater than 5: 100%	Greater than 6: 93%	Greater than 9: 79%	High
Validation	0-1: 12%	0-2: 42%	0-3: 61%	
	2-3: 35%	3-4: 59%	4-6: 72%	
	4-5: 45%	5-6: 66%	7-9: 77%	
	Greater than 5: 50%	Greater than 6: 100%	Greater than 9: 100%	

Ref: Extermann et al., ASCO 2010

Warning: This score is for use by oncologists familiar with chemotherapy administration. It is aimed at supporting clinical decision making and should in no way supersede it. It is to be used in addition to drug-specific dose adaptations. Further individual or treatment plan characteristics might lead the oncologist to depart from these risk estimates.

* Moffitt ULN = 618

_____   _____ _____
Physician's Signature   Time   Date

_____   _____
Printed Name   Pager Number

PATIENT NAME:
_____

MR#: _____