Time/Dose Effects in Acute Radiation Syndrome -Acute Clinical Effects of Single-Dose Exposure of Whole-Body Irradiation

Symptoms/Signs for Dose Range 30.0 to 45.0 Gy in Free Air

			Days					Weeks								
Symptoms/Signs	4 8	12	16 2	0 24	2	3	4	5	6	7	2	3	4	5	6	7
Nausea			****	****	w	W	~~		100%							_
Vomiting (retching)	XXXXX	XXX	XXXXX	XXXX	XXX	XXX	XXX		100%							
Anorexia	DXXX	XXX	www	XXXX	***	XXX	XXX	1	100%							
Diarrhea (cramps)	KXX	30%	í.			ex.	XXX		100%							
Fatigue	EXXX	XXXX	(XXXXX	XXXX	XXXX	(XXX	XXX		100%							
Weakness	XXX	x	****	****	· · · · ·	***			100%							
Hypotension	80000	XXX	~~~	·	***	000	***	1	100%							
Dizziness	****	~~	www	·	~~	W	W		100%							
Disorientation	0000	<u> </u>	XXXXX	XXXX	·	XXX			100%							
Bleeding																
Fever				ш	50-	90%	(a)									
Infection						XX	XXX	×	(b)							
Ulc eration																
Fluid loss/electrolyte imbalance		***	*****	****	***	***	XXX	3	100	%						
Headache		~~~	·	····	· · ·	·	·	2	100	%						
Fainting					~~	~~~	· · ·	9	100	%						
Prostration					ooo	·	***	2	100	r						
Death									100	n n						
Severity Scale mild to m	oderate	100000	roderate to severe				Colors used to improve						l tion :	only.		
unspecified or mild moder					seve		1									
C	Mar	nagen	nent an	d Trea	tment	ĕ										
Performance: DT:PD from 6 to 20 minutes; PD from 20 to 9 UT:PD from 30 minutes to 3 hours; CI from 3 Hospitalization Per centage/Duration At 6 hours to 1-2 days medical care for 100% Symptomatic medical care will be required with Therapy Supportive treatment.	hours to ; 100% :	death deaths	n. sat2to			eath.										
(a) Granulocyte count drops to zero. (b) Lymphocyte count drops to zero.					PD:		form mand	ance ling T	Deg Fask	gràde	s thar d (25					

Adapted from NATO Handbook on the Medical Aspects of NBC Defensive Operations AMedP-6(B), Chapter 6, General Medical Effects of Nuclear Weapons: Diagnosis, Treatment, and Prognosis, 1 February, 1996.

