

## Supplement 2 – Example of the structured dosing information of PDeDose

Substance		Vancomycin									
Indication		bacterial infection, severe									
Route of administration		IV, parenteral									
Calculated dose											
Age	Weight	PI	Application	Type of dose	Dose	Number of repetitions	Max individual dose	Max daily dose	Remarks	GR	Ref
5 wk	4.18 kg		IV		63 mg/dose	4 x daily			by inf	B	
You must enter the height to be able to calculate the BMI.											
6 Products in Switzerland matching the data set of the calculated dose											
General doses											
Age/PMA	Weight	PI	Application	Type of dose	Dose	Number of repetitions	Max individual dose	Max daily dose	Remarks	GR	Ref
< 30 wk		PI	IV	loading dose	25 mg/kg/dose				as a single dose, start the maintenance dosage 24 h after the loading dose; by inf	D	
< 30 wk		PI	IV	maintenance	20 mg/kg/dose	1 x daily			first maintenance dose 24 h after the loading dose; by inf	D	
30 wk - 34 wk		PI	IV	loading dose	25 mg/kg/dose				as a single dose, start the maintenance dosage 18 h after the loading dose; by inf	D	
30 wk - 34 wk		PI	IV	maintenance	20 mg/kg/dose	every 18 h			first maintenance dose 18 h after the loading dose; by inf	D	
34 wk - 38 wk		PI	IV	loading dose	25 mg/kg/dose				as a single dose, start the maintenance dosage 12 h after the loading dose; by inf	D	
34 wk - 38 wk		PI	IV	maintenance	20 mg/kg/dose	2 x daily			first maintenance dose 12 h after the loading dose; by inf	D	
38 wk - 40 wk		PI	IV	loading dose	25 mg/kg/dose				as a single dose, start the maintenance dosage 8 h after the loading dose; by inf	D	
38 wk - 40 wk		PI	IV	maintenance	15 mg/kg/dose	3 x daily			first maintenance dose 8 h after the loading dose; by inf	D	
0 D - 28 D			IV	loading dose	25 mg/kg/dose				as a single dose, start the maintenance dosage 8 h after the loading dose; by inf	D	
0 D - 28 D			IV	maintenance	15 mg/kg/dose	3 x daily			first maintenance dose 8 h after the loading dose; by inf (A)	(A)	
28 D - 18 Y and < 66 kg			IV		15 mg/kg/dose	4 x daily			by inf	B	
< 18 Y and ≥ 66 kg			IV		1 000 mg/dose	4 x daily			by inf	B	

**Figure:** Example of the vancomycin dosage information for severe bacterial infection to be administered intravenously. In the calculated dosage tab one can see the calculated dosage for a hypothetical preterm of 5 weeks of age (corrected age) with a weight of 4.18 kg analogous to item number 2 of the trial. In the general doses tab the basic dosing information can be seen.