## Appendix I – Study Forms

## Non-obese Vancomycin Nomogram Monitoring Form

Place Patient Label:			

Age:	
Height:	
Sex:	
Patient Study Number:	
*Find on randomization sheet	

	Column 1		Column 2
1	Enter Indication —		
2	Enter target trough range (10-15 OR 15-20)	<b>→</b>	
3	Enter ABW (kg) from randomization sheet ***Use for dosing calculations***	<b>→</b>	
4	Enter IBW (kg) from randomization sheet	-	

	Target Trough 10-15 mg/L		
5	Loading dose (check one):  Already given = record dose in Box A below  OR  Calculate loading dose and record in Box A below  LD = 22mg/kg x (ABW)		
6	Maintenance dose: Calculate and enter in Box MD = 13mg/kg x (A	·- <del>-</del>	
7	Enter initial serum creatinine	(mg/dL) in Box C	
8	Calculate creatinine clearance (mL/min) and enter in Box D $CrCl = \underbrace{(140 - age)(IBW)^*}_{72 \text{ x Scr}} (0.85 \text{ in females})$ * use ABW if the patient weighs less than calculated IBW		
	Select appropriate dosing interval based on calculated creatinine clearance and enter in Box E		
	CrCl (mL/min)	Dosing Interval (hrs)	
	>100	8	
9	71-100 46-70	12	
9	31-45	24	
	21-30	36	
	15-20	48	
	11-14	72	
	! 10	prn	

	Target Trough 15-20 mg/L			
5	Already given = record OR			
	LD = $24 \text{mg/kg x}$ (A	nd record in Box A below ABW)		
6	Maintenance dose:  Calculate and enter in Box B  MD = 13mg/kg x (ABW)			
7	Enter initial serum creatinine	(mg/dL) in Box C		
8	Calculate creatinine clearance (mL/min) and enter in Box D $CrCl = \underbrace{(140 - age)(IBW)^*}_{72 \text{ x Scr}} (0.85 \text{ in females})$ * use ABW if the patient weighs less than calculated IBW			
Select appropriate dosing interval based on calcular creatinine clearance and enter in Box E				
	CrCl (mL/min)	Dosing Interval (hrs)		
	>80	8		
9	56-80	12		
	36-55	18		
	26-35	24		
	15-25	36		
	! 10	prn		
	. 10	pin		

A	Loading Dose	
В	Maintenance Dose	
C	Initial Scr	
D	Creatinine Clearance	
E	Dosing Interval	

## Obese Vancomycin Nomogram Monitoring Form

Place	Patient	Lahel	
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	Age:	
	Height:	
	Sex:	
	Patient Study Number: *Find on randomization sheet	

	Column 1		Column 2
1	Enter Indication -		
2	Enter target trough range (10-15 OR 15-20)	-	
3	Enter DW (kg) from randomization sheet  ***Use for calculations***	<b>→</b>	

	Target Trough 10-15 mg/L				
4	Loading dose (check one):  Already given = record dose in Box A below OR  Calculate loading dose and record in Box A below LD = 22mg/kg x (DW)				
5	Maintenance dose: Calculate and enter in Box B MD = 13mg/kg x (DW)				
6	Enter initial serum creatinine (mg/dL) in Box C				
7	Calculate creatinine clearance (mL/min) and enter in Box D $CrCl = \underbrace{(140 - age)(DW)^*}_{72 \text{ x Scr}} (0.85 \text{ in females})$				
Select appropriate dosing interval based on calculat creatinine clearance and enter in Box E					
	CrCl (mL/min) >100	8			
	71-100	12			
8	46-70	18			
	31-45	24			
	21-30	36			
	15-20	48			
	11-14	72			
	! 10	prn			

	Target Trough 15-20 mg/L			
	Loading dose (check one):			
4	Already given = record OR	dose in Box A below		
	Calculate loading dose a LD = 24mg/kg x (I	nd record in Box A below DW)		
5	Maintenance dose: Calculate and enter in Box B			
	MD = 13 mg/kg x (	DW)		
6	Enter initial serum creatinine (mg/dL) in Box C			
	Calculate creatinine clearance (mL/min) and enter in Box D			
_	7 CrCl = $\frac{(140 - \text{age})(DW)^*}{72 \text{ x Scr}}$ (0.85 in females)			
7				
	Select appropriate dosing inte creatinine clearance and enter			
	CrCl (mL/min)	Dosing Interval (hrs)		
	>80   8     56-80   12			
8 36-55		18		
	26-35	24		
	15-25	36		
	11-14	48		
	! 10	prn		

A	<b>Loading Dose</b>	
В	Maintenance Dose	
C	Initial Scr	
D	Creatinine Clearance	
E	Dosing Interval	

## Traditional Dosing Vancomycin Monitoring Form

Place Patient Label:		
	Age:	
	Height:	
	Sex:	
	Patient Study Number: *Find on randomization sheet	

Please check one: Kinetic Dosing Global Rph  $\ \square$  Other (Fill out form below) (Print and attach Global Rph Form)

	Column 1	Column 2
1	Enter ABW (kg) from randomization sheet	
2	Enter IBW (kg) from randomization sheet	
3	Enter DW (kg) if calculated on randomization sheet	
3	Enter Indication —	
4	Enter target trough range (10-15 OR 15-20)	
5	Enter initial Scr (mg/dL) in column 2	
6	Calculate creatinine clearance (mL/min) and enter in column 2  CrCl = (140 - age)(1BW)* (0.85 in females) 72 x Scr  * use ABW if the patient weighs less than calculated IBW and DW if obese	
7	Calculate and enter $k_e$ ke = 0.00083(CrCl) + 0.0044	
8	Calculate and enter half life $T_{1/2} = 0.693/k_c$	
9	Calculate and enter Vd → Vd = 0.7L/kg x (ABW) or (DW) if obese	
10	Loading dose (check one):  Already given = record dose  OR  Calculate loading dose and record  LD = Vd x desired peak	
11	Calculate Dosing Interval and record $t = \frac{\ln\left(\frac{Cpk}{Ctr}\right)}{k}$	
12	Calculate Maintenance dose (MD) and record  MD = Cpeak x Vd X (1-e <sup>-kt</sup> )	
13	Calculate estimated peak and record  Cpk actual = Cpk desired x <u>actual dose</u> theoretical dose	
14	Calculate estimated trough and record  Ctrough = Cpk actual x e <sup>-kt</sup>	