6/23 Follow-up

Tasks

- ☑ Change trough to AUC in monitoring form
- ☑ Denote maintenace dose in Post Levels maintenance dose table
- ☐ Add "Transfer to DMC Calculator" for New Consult userform =/

Update summary

- 1. Updated Monitoring Form
- 2. Updated MDTable for New Consult
 - Added patient context bar to the top of maintenance table userform
 - Separated PK paramaters into two frames
- 3. Updated MDTable for Post Levels
 - Added percent change, triangles with colors to denote significant changes > 5% from population-based PK parameters
 - Highlighted dosing regimen in maintenance dose table if patient already has a selected regimen

Update Details

1. Updated Monitoring Form

- Monitoring form now copies sheet from workbook and makes a new workbook (I'm trying to keep the actual excel file from containing any patient information)
 - Patient information will be stored in db.accdb database
 - Monitoring form with patient information will pop up with new workbook

Identifiers	Characteristics			Diagnosis			
MRN: 12345 Name: Smith, Jane Location: 2W 214	Age: Ht: Wt:	41 F 157 cm 88.9 kg		Provid Indicatio Targ	on: Osteo	hn Jones omyelitis	
Anthropomorphics	Kidney Function			Loading Dose			
TBW: 88.9 TBW/IBW: 1.79 IBW: 49.7 BMI: 36.1 AdjBW: 65.4	SCr: 0.5 Bun: 0 CrCl: 152.8 mL/min Drugs:			Dose: 0 mg over 0 hrs Scheduled: Sat, 12/30 00:00 mg/kg 0 mg/kg			
Day of Therapy /Date	Day 1 6/23	Day 2 6/24	Day 3 6/25	Day 4 6/26	Day 5 6/27	Day 6 6/28	Day 7 6/29
Maintenance dose	1000 mg q	8h					
Administration times per MAR							
Total Daily Dose (TDD)	3 g						
AUC							
Population Estimate	480						
Patient-Specific							
Levels							
Peak Level Ordered for: (date/time)	6/24 17:30						
Peak Level/Time Drawn							
Trough Level Ordered for: (date/time)	6/24 22:30						
Trough Level/Time Drawn							
Labs							
SCr (daily for adults)	0.5						
BUN (daily for adults)							
CrCl estimate (ml/min)	152.8						
WBC							
Procalcitonin							
Other nephrotoxic drugs: NSAIDs, ACE Inhibitor, diuretics, pip/tazo, vasopressors, etc.							
Culture & Sensitivity results / MRSA PCR results for respiratory and sepsis indications:	Nasal MRSA Blood cultu Resp cultur Other:	re organism e; organism	n(s): (s):			inal Date final Date	: :: ::
Evaluate for de-escalation		[] MRSA PCR follow up if applicable	[] Action on culture information if applicable				
	1			•	'	'	
Comments:							

Maintenance Dose Table X

Provider: Dr. John Jones SCr: 0.5 mg/dL Name: Smith, Jane Location: 2W 214 CrCl: 152.8 mL/min Indication: Osteomyelitis djBW: True DOT: Day 1 Ht: 157 cm Wt: 88.9 kg Using AdjBW: True TBW/IBW: 1.79 BMI: 36.1 Maintenance Dose Table Infusion Rate GlobalRPh * Target AUC/MIC range 400-600 MIC 0.1 - 1.0 ▼ ▼ PK Parameters Population-based 750mg 1000mg 1250mg 1500mg 1750mg 2000mg Vd: 57.8 L infusion times Ke: 0.1144 1.5 hrs 1.5 hrs t1/2: 6.1 hrs CLVanco: 6.5 L/hr mg h / L 480 ^ Using for table Q6H 16 mg/dL PK Parameters Patient-Specific Vd: mg h / L 600 Q8H mg/dL Ke: t1/2: CLVanco: mg h / L mg/dL 490 570 Legend -Q12H AUC/MIC trough mg h / L 450 TDD mg/dL dosing Q18H Options mg h / L Q24H mg/dL ▼ Estimated trough Total Daily Dose (TDD) mg h / L mg/dL dosing in mg/kg Q36H mg h / L mg/dL Show all values Q48H *View AUC Calculation Steps * AUC calculations are estimated and rounded to nearest 10's. Exit * Click inside the blue box to view steps!

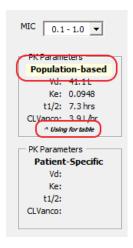
2a. Added patient context to top of userform

MRN: 56789
Name: Test, Patient1
Location: Med/Surg

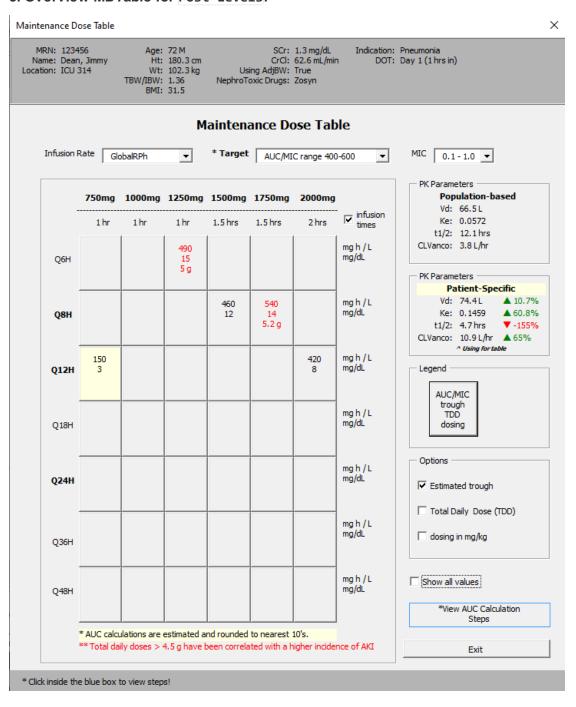
Age: 59 M
Ht: 180.3 cm
Wt: 63.3 kg
TBW/IBW: 0.84
BMI: 19.5

2b. Separated PK parameters into two frames

- highlighted the pk parameters, population-based or patient-specific that are being used for the table
- added label saying ^ using for table



3. Overview MDTable for Post Levels.



3a. Added percent change, triangles with colors to denote significant changes > 5% from population-based PK parameters



3b. If there is a maintenance dose or dosing regimen already selected, that option will be highlighted in dosing table

	750mg	1000mg	1250mg	1500mg	1750mg
	1 hr	1 hr	1 hr	1.5 hrs	1.5 hrs
Q6H	480 16				
Q8H		480 14	600 17		
Q12H				490 11	570 13