

Hi Anya and team,

Question 1:

"Prevent any maintenance doses > 4500 mg/day from showing as options on the maintenance dose table?"

- For the doses greater than 4500 mg/day, I had been thinking about ways to cue the user that 4.5g/day was a threshold. It looks like there are 6 possible dosing regimens that could be selected that pass that threshold.
- I'm not sure if it should be a `hard stop` vs. a `soft stop`. For a hard stop, the pharmacist would not be able to select a regimen > 4.5g/day. I was thinking there may be valid cases where that type of regimen is the appropriate regimen, so I was trying to figure out a soft stop way.

Thoughts

- Changed font of regimens > 4.5g/day to red instead of the normal black color.
- Alert in red becomes visible when a dose that is greater than 4.5 g/day is presented to the pharmacist in the maintenance dose table.
- Total daily dose in grams is always presented to pharmacist even if checkbox isn't selected.

Maintenance Dose Table

Maintenance Dose Table

Infusion Rate: 1000 mg/hr * Target: AUC/MIC range 400-600 MIC: 0.1 - 1.0

	750mg	1000mg	1250mg	1500mg	1750mg	2000mg	
	0.8 hrs	1 hr	1.2 hrs	1.5 hrs	1.8 hrs	2 hrs	<input checked="" type="checkbox"/> infusion times
Q6H		400 13	510 17 5 g				mg h / L mg/dL
Q8H				460 14	550 16 5.2 g		mg h / L mg/dL
Q12H						420 10	mg h / L mg/dL
Q18H							mg h / L mg/dL
Q24H							mg h / L mg/dL
Q36H							mg h / L mg/dL
Q48H							mg h / L mg/dL

PK Parameters
Population-based
Vd: 91 L
Ke: 0.116
t1/2: 6 hrs
CLVanco: 10.6 L/hr

☒ Estimated trough
☐ Total Daily Dose (TDD)
☐ dosing in mg/kg

☐ Show all values
[*View AUC Calculation Steps](#)

* AUC calculations are estimated and rounded to nearest 10's.
** Total daily doses > 4.5 g have been correlated with a higher incidence of AKI

* Click inside the blue box to view steps!

1 For the dosing regimens that exceed 4.5g per day, changed the font to red.

2 Added red font alert to display if any of those values are presented to the pharmacist

3 Total daily dose in grams is always presented to pharmacist even if checkbox isn't selected.

Question 2:

"Add Skin and soft tissue infections (ABSSSI), Enterococcal infections, Staphylococcus Epidermidis infections,

- Updated Landing Page

Cerner (Default)

Default Settings: Add/Edit Profile

*Clinical calculators similar to this one are to assist healthcare professionals in making complex decisions. This calculator is a tool to be used in combination with clinical judgement, not as a stand alone one-size-fits all depot for dosing

Vancomycin AUC Calculator

New Consult

Post-Levels

Patient View

Patient List

AUC

MIC

Exclusions

- Hemodialysis, CRRT, AKI/Unstable Renal Function (Renal)
- UTI, Skin and soft tissue infections (ABSSSI), Surgical Prophylaxis (non-AUC)
- Enterococcal infections, Staphylococcus Epidermidis (non-MRSA Infections)

Question 3:

"I wanted to clarify, we should the user hit "save". Will the calculator intermittently save the information without "saving"?"

1. Each time the pharmacist presses the "Next" button, information about the patient is written into the database.
2. The "Save" button manually saves the patient information.

Cancel << Back Next >> Save

Load Patient Information

+ Load

2

The "Save" button saves the patient's information manually.

1

Each time the pharmacist presses the "Next" button, information about the patient is saved.