

Q2 WHAT IS THE BEST NEXT STEP?

- A. Add a 1.5L, 1.5% dextrose, last fill
- B. Increase cycle fill volumes to 2.4 L
- C. Add a 5th evening cycle and increase total time to 11 hours.
- D. Inquire about diuretic use

The correct answer is B.

The purpose of this question is to assess the best next step to increase small solute clearance. Although A, B and C will all increase small solute clearance, B will have the least effect on his overall routine. As a rule of thumb, fill volumes should be optimized first before adding additional exchanges or cycles. The major caveat is ensuring the fill volume does not cause discomfort, ideally limiting nighttime and daytime volumes to < 3L, and < 2.5L, respectively.

It is important to inquire about diuretic use especially since his urine volume has been decreasing. However, he remains euvolemic, and diuretics do not augment solute clearance.

Further reading:

<https://journals.sagepub.com/doi/epub/10.1177/0896860819898307>

https://qxmd.com/wp-content/uploads/2017/10/USMP_76_14-00012_2-PD-Prescription-Management-Guide_FINAL.pdf

<https://www.kidneywi.org/wp-content/uploads/2020/11/AM-4-The-PD-Prescription.pdf>