CME Questions and References — *Serratia marcescens* TPN outbreak

**CME Questions**

1. (True or False) Failure of compounding pharmacies to adhere to recommended practices have resulted in regional and national outbreaks.
   **Answer: True**

2. Which of the following could have contributed to contamination of total parenteral nutrition?
   a. Mixing the amino acids in water 24-48 hours prior to sterilization
   b. Failing to use a larger pore size filter upstream of the 0.2 micron sterilizing filter to trap particulate matter
   c. Changing the filter in the middle of the filter-sterilization step
   d. All of the above
   **Answer: D**

3. Outbreaks in compounding pharmacies can be problematic because:
   a. Outbreaks commonly occur on Friday afternoons just before the weekend
   b. Compounding pharmacies commonly distribute preparations to multiple facilities, making it sometimes difficult to identify clusters of infections at any one particular facility
   c. Regulatory control of compounding pharmacies varies from state to state as do regulations they are required to follow
   d. Both b and c
   e. None of the above
   **Answer: D**

**References**