

This Exam Outline was developed to help you prepare for the knowledge exam.

This Exam Outline is not meant to cover all aspects of the knowledge exam, but to guide your preparation for questions that may occur in the knowledge exam.

Review:

- Vascular access devices:
 - Fistula and graft exam
 - Needle rotation
- Definitions:
 - Dialysate, characteristics
 - Solution
 - Solute
 - Solvent
 - Pyrogenic reactions
 - Dry weight
- Dialysis treatment goals, complications
- Types of dialysis
- Infection control techniques
- Hemodialysis machines
 - Priming
 - Clot prevention
 - Hemolysis prevention
 - Semipermeable membranes
- Sharp injury prevention
- Reverse osmosis operating parameter check intervals
- State and Federal agencies regulating hemodialysis standards
- Characteristics of soft/hard water
- Arterial and venous pressures in circuit
- Complications of dialysis
 - Air embolus
 - Hemolysis
 - Infections
- Air emboli prevention techniques
- AAMI water standard
 - Level of chloramines
 - Testing requisites for chlorine