

# SHARESOURCE CONNECTIVITY PLATFORM

## THE SHARESOURCE ADEQUEST PD ADEQUACY SOFTWARE APPLICATION

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### PERITONEAL EQUILIBRATION TEST (PET)

**Sharesource Adequest** software application, integrated into the **Sharesource** Connectivity Platform, includes several Peritoneal Equilibration Test (PET) options to assist you in defining your patient's peritoneal membrane's clearance and ultrafiltration.



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#### STANDARD PET (ADULT PET)

- A standard test used to clinically characterize peritoneal membrane transport of creatinine, urea, and glucose in order to measure the permeability and efficiency of a patient's membrane.
- The PET uses a series of dialysate and plasma samples to measure solute equilibration, rate of glucose absorption, and net ultrafiltration.
- The PET can also be used to identify residual dialysate volume after a full drain.
- Three dialysate samples (at 0, 2, and 4 hours) and one blood (serum) sample (at 2 hours) are taken during a standardized four-hour dwell using 2.50% glucose dialysis solution.

#### SIMULATED PET

- A test used to clinically characterize peritoneal membrane transport of creatinine, urea, and glucose in order to measure the permeability and efficiency of a patient's membrane.
- The simulated PET is automatically performed when time is  $\pm 10$  minutes from the recommended time and the fill volume and dextrose concentration used in the standard PET have been altered.
- The pediatric simulated PET is incorporated into **Sharesource Adequest** software application.

## MODIFIED PET NEW

- A test used to clinically characterize peritoneal membrane transport of creatinine, urea, glucose, and sodium in order to assess peritoneal membrane function, and specifically indicated to assist in the diagnosis of ultrafiltration failure.
- Similar to the standard PET, but uses 4.25% glucose solutions.
- Also, additional dialysate samples are taken.

## FAST PET NEW

- A simplified version of the standard PET used to clinically characterize peritoneal membrane transport of creatinine, urea, and glucose.
- Allows clinical screening of patients with suspected changes in peritoneal membrane function.
- Only one dialysate and one blood sample (at 4 hours) are required; otherwise, the fast PET follows the same procedures as the standard PET.

## MINI PET NEW

- A simple and fast method to assess free water transport in order to assess loss of peritoneal membrane ultrafiltration.
- Mini PET consists of a 1-hour dwell using 4.25% glucose dialysis solution.
- Serum sodium is measured at the beginning of the dwell, and dialysate sodium is measured in the infused solution and the effluent solution at 1 hour.

## PEDIATRIC PET

- A test used to clinically characterize the peritoneal membrane transport in pediatric patients of creatinine, urea, and glucose in order to measure the permeability and efficiency of a pediatric patient's membrane.
- The pediatric PET uses a series of dialysate and plasma samples to measure solute equilibration, rate of glucose absorption, and net ultrafiltration.
- The pediatric simulated PET can also be used to identify residual dialysate volume after a full drain.
- The pediatric simulated PET curves and transport classification are incorporated into **Sharesource Adequest** software application.

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**Sharesource Adequest** is stand-alone software (not an accessory), used in calculations for both Continuous Ambulatory PD (CAPD) and Automated PD (APD). Its use is not dependent upon any information from PD instrumentation and cannot determine whether a patient is receiving adequate therapy, and is not designed to be a tool to teach (train) healthcare professionals how to perform or prescribe PD. This product does not replace the clinical and professional expertise and decision-making by the trained intended user.

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