

Renal services

Peritoneal equilibration test (PET)

Abbreviations:

CAPD – Continuous Ambulatory Peritoneal Dialysis

APD – Automated Peritoneal Dialysis

PD – Peritoneal Dialysis

What is a PET?

A Peritoneal Equilibration Test is a test performed in the PD unit to determine how your peritoneum membrane transports the glucose solution (PD fluid), excess fluid and toxins. This, combined with the Peritoneal Function Test allows the PD team to ensure that you are receiving the most adequate dialysis.

It categorises the type of transporter that you are and gives an indication of what modality would be better for your transporter type.

How often do I need to do a PET?

Routinely, this test is performed once a year. On initial completion of PD training, you should have a PET performed within 6 weeks of commencing dialysis.

The PD department will contact you before you are due each year to arrange the test.

How do I perform a PET?

If you are on APD, instead of using an icodextrin (purple/pink) bag as your last fill, for the longest dwell, the PD team will ask you to use a 2.27% (green) bag. If you do CAPD you will be asked to use the green bag at bed time.



Patient Information

The fluid must be in your abdomen for a minimum of 8 hours before the test. If you are on CAPD, you will be asked NOT to drain out or do an exchange the day of the test, but to attend the department with the green bag in your abdomen.

If you are on APD, you may need to go onto the machine slightly earlier, allowing for at least an 8 hour dwell by the time you come to your appointment in the afternoon.

Unlike the PFT, this is a longer test and you are required to be in the hospital for approximately 5 hours. On arrival, the team will perform an exchange and take a sample of your fluid. You will then need to have further samples at 2 hours, together with blood tests, and then at 4 hours. After the 4 hour sample is taken, you can go home.

What happens with my results?

The results of your fluid samples and blood tests will be collected and analysed by the PD team and the results of the test filed in your folder.

You will not be contacted with the results, unless there is a need to change dialysis modalities, or make adjustments to your current regime. All changes are discussed with the PD consultant.

What if I cannot make my appointment?

If, for any reason, you are unable to attend your appointment, please telephone the PD department to inform them and rearrange.

The Trust has access to interpreting and translation services. If you need this information in another language or format please contact the PD department on 02476 968308 and we will do our best to meet your needs.

The Trust operates a smoke free policy

Document History

Department:	Renal services
Contact:	02476968308
Updated:	March 2020
Review:	March 2023
Version:	1
Reference:	HIC/LFT/2418/20