As individual as your patients
PD therapy tailored to patients’ needs
As individual as your patients

Because patients are different

Your patients have a chronic kidney disease in common, but they differ in many ways: age, height, weight, stage of illness, residual renal function etc. These differences have a decisive impact on the required PD treatment:

Patients’ needs are different.

Tina
Age: 57
Weight: 82 kg
Residual renal function: 3.4 mL/min
Ultrafiltration: 1250 mL
Kt/V urea: 1.9
Opera buff
Fresenius Medical Care now offers you the chance to easily adjust your patients’ treatments according to their individual needs – with adapted automated peritoneal dialysis (aAPD) and the sleep•safe harmony.

<table>
<thead>
<tr>
<th>Important parameters for successful PD</th>
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<tbody>
<tr>
<td>Age</td>
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<tr>
<td>Weight</td>
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<tr>
<td>Residual renal function</td>
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<tr>
<td>Transporter type</td>
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<tr>
<td>Ultrafiltration</td>
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<tr>
<td>Kt/V urea</td>
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<td>D/P creatinine</td>
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**Pipat**
- Age: 73
- Weight: 58 kg
- Residual renal function: 4.3 mL/min
- Ultrafiltration: 360 mL
- Kt/V urea: 1.8
- Enjoys cooking

**Jack**
- Age: 43
- Weight: 79 kg
- Residual renal function: 3.8 mL/min
- Ultrafiltration: 1750 mL
- Kt/V urea: 2.9
- Loves travelling

**Carmen**
- Age: 47
- Weight: 63 kg
- Residual renal function: 3.0 mL/min
- Ultrafiltration: 850 mL
- Kt/V urea: 2.2
- Passionate dancer
Adapted APD therapy with \textit{sleep\textsuperscript{safe harmony}} enables you to combine sequences of short dwells and small fill volumes with long dwells and large fill volumes and varying glucose concentrations. Adapted APD is a new way of prescribing PD that optimises ultrafiltration (UF) and clearance within one PD session.

\textbf{A clinical study comparing aAPD to conventional APD showed:}\textsuperscript{1,2}

- Increased ultrafiltration
- Optimised clearances
- Better peritoneal sodium and phosphate removal
- Reduction of mean blood pressure

\textit{sleep\textsuperscript{safe harmony} enables:}

- Complete individualisation for a fully personalised treatment
- Guided prescription on the cycler or via PatientOnLine software

Graph adapted from Fischbach et al, PDI 2011\textsuperscript{1}
Any therapy with sleep•safe harmony is supported by FlexPoint technology.

**FlexPoint intelligence combines settings like:**

- Permitted patient volume – which is the maximum individual fill volume
- Permitted residual volume – which is the maximum individual volume, which may remain in the patient’s peritoneal cavity

**The goal is to:**

- Achieve optimised treatment efficiency
- Keep the prescribed treatment time
- Minimise potential alarms
- Avoid overfilling for patients’ well-being and security
As individual as your patients

Key features of the sleep•safe harmony cycler

sleep•safe harmony offers advanced features aimed at improving patient care. It also contributes to the improvement of patient compliance and saves training time.

Training support:
- Guiding animations directly on the device
- Large touch screen

Guided prescriptions:
- Create prescriptions directly on the device
- On screen keyboard
- Optimised fluid usage – no extra volume for priming
- Prescriptions directly on the device
- Automatic connection, online heating and PIN technology
- Animations guiding through treatment steps
**Convenient handling:**
- Automatic connection and barcode recognition of bags
- Integrated handles
- PatientCard$^\text{Plus}$ with more than 12 months capacity of treatment data

**Simple installation:**
- Plug & use – no transformer needed due to double insulation

- Large touch screen
- Integrated handles
- PatientCard$^\text{Plus}$ with more than 12 months capacity of treatment data
Experience sleep•safe harmony on
www.sleepsafe-harmony.com

1 Fischbach M, Issad B, Dubois V, Taamra R. The beneficial influence on the effectiveness of automated peritoneal dialysis of varying the dwell time (short/long) and fill volume (small/large): randomized controlled trial. Perit Dial Int 2011; 31(4):450-8
2 Fischbach M et al, Abstract poster presentation at ASN 2010 in Denver, US