

Peritoneal Dialysis

## **As individual as your patients**

PD therapy tailored to patients' needs



**FRESENIUS  
MEDICAL CARE**

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

## Important parameters for successful PD

Age

Weight

Residual renal function

Transporter type

Ultrafiltration

Kt/V urea

D/P creatinine

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*.



**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

# As individual as your patients

## Different patients, different settings

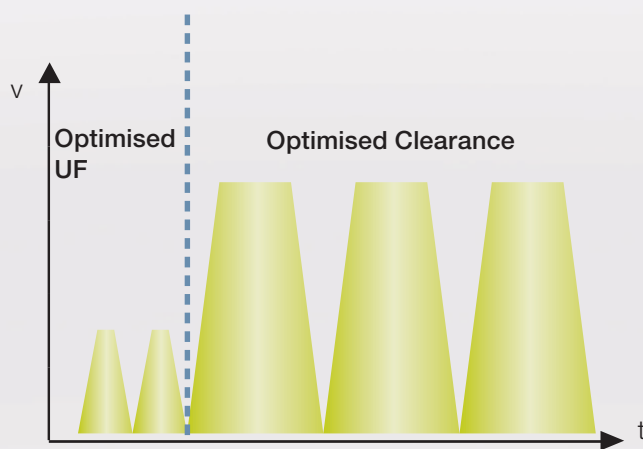
Adapted APD therapy with *sleep•safe harmony* enables you to combine sequences of short dwells and small fill volumes with long dwells and large fill volumes and varying glucose concentrations, Adapted APD is a new way of prescribing PD that optimises ultrafiltration (UF) and clearance within one PD session.

### A clinical study comparing aAPD to conventional APD showed:<sup>1,2</sup>

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

### *sleep•safe harmony* enables:

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

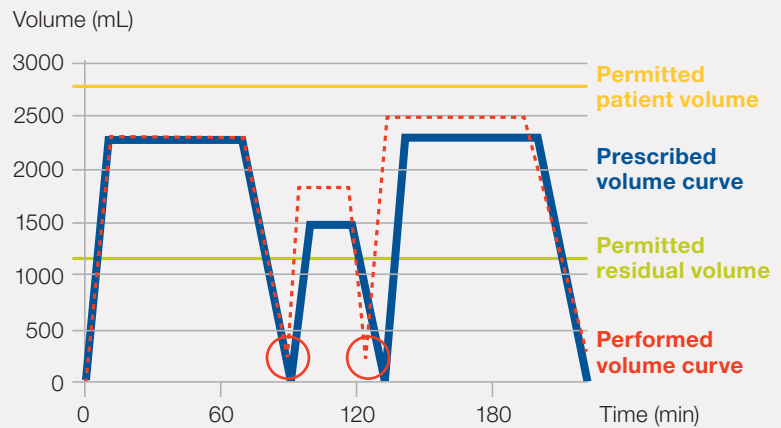


Graph adapted from Fischbach et al., PDI 2011<sup>1</sup>

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



Graph adapted from original treatment

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* cyclor

*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<sup>Plus</sup> 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<sup>Plus</sup> with more than 12 months capacity of treatment data

Experience *sleep•safe harmony* on  
**[www.sleepsafe-harmony.com](http://www.sleepsafe-harmony.com)**

<sup>1</sup> Fischbach M, Issad B, Dubois V, Taamma 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

<sup>2</sup> Fischbach M et al., Abstract poster presentation at ASN 2010 in Denver, US



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