

Transforming Dialysis | Transforming Lives

Introducing SC+

May 2018

Confidential

Transforming Dialysis | Transforming Lives

- Quanta developed a **game-changing personal dialysis system** helping to solve the increasing demand for haemodialysis
- **Small & simple to use** by patients and healthcare professionals
- **Powerful and flexible** – from 3 to 7 treatments per week
- Clinical performance demonstrated in >1,500 treatments
- Launching in the UK in late 2018 before expanding in Europe and entering the US



The Dialysis Delivery Model is Broken



Burdensome For Patients

- Typically in-centre, 3 times a week, 4 hours a session
- High dependency on others
- Feeling “washed-out’ after intensive treatment



Labour Intensive and Costly

- Staff/nursing costs account for c.60% of total direct cost of HD treatment¹
- Model highly dependent on skilled labour
- Insufficient skilled labour to service future demand

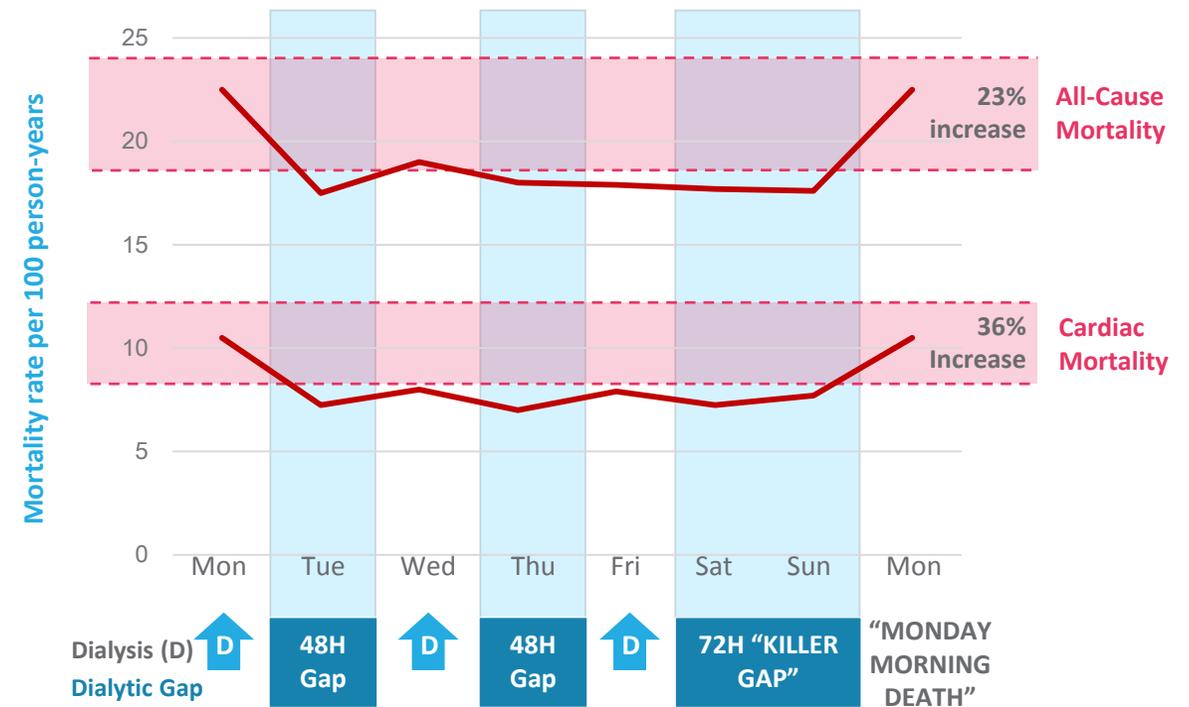


Suboptimal Outcomes

- 5 year survival 42% in the US²
- Worse than most forms of cancer³⁻⁵
- Not physiological
- “Killer Gap”

“Killer Gap”

Pronounced spike in mortality of HD patients on Mondays – associated with the 72 hour gap between dialysis treatments over the weekend as dialysis centers typically closed on Sundays



Adapted from Foley RN, et al. NEJM 2011; 365: 1099–107; normalized for the day of the week

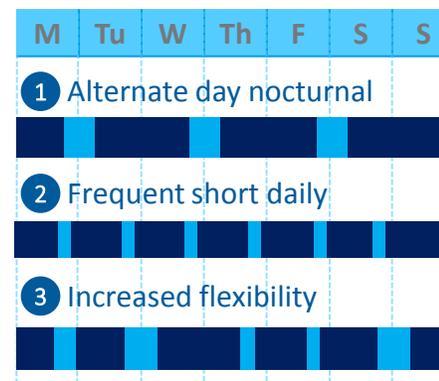
SC+ Empowers Patients to Treat Themselves

Patient Benefit: Flexibility & Choice

- Maximises choice – timing, duration, location and frequency
- Fits dialysis around real life
- Flexibility to minimise patient burden and improve outcome
- Maintains independence and develops confidence
- Supports learning at the patient's own pace
- Keeps the patient on track (treatment adherence)
- Keeps the patient connected

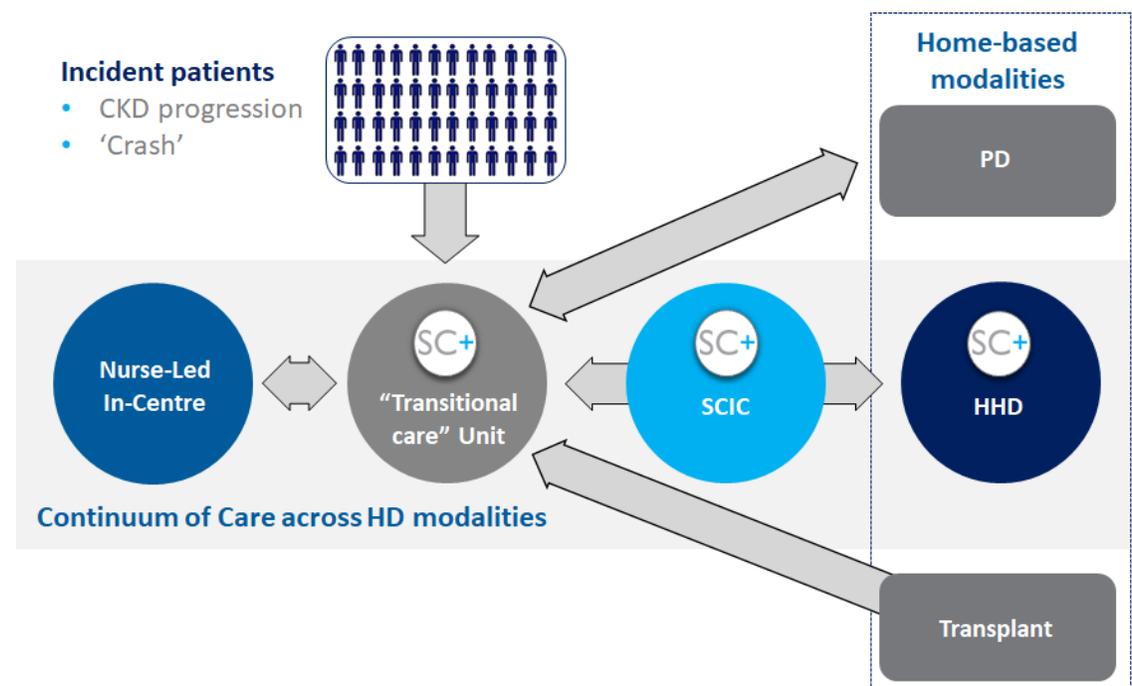
HCP Benefit: Choice and Efficiency

- Balances resources and reduces total cost of ownership
- Single solution across the entire 'continuum of care'
 - Flexible patient journey without wasting resources on separate training units and teams
 - Improves cross-functional interaction and knowledge transfer of teams
 - Enables effective risk management
- Maximises opportunity for improved clinical outcome
- Flexibility and ease of use have the potential to reduce early drop out



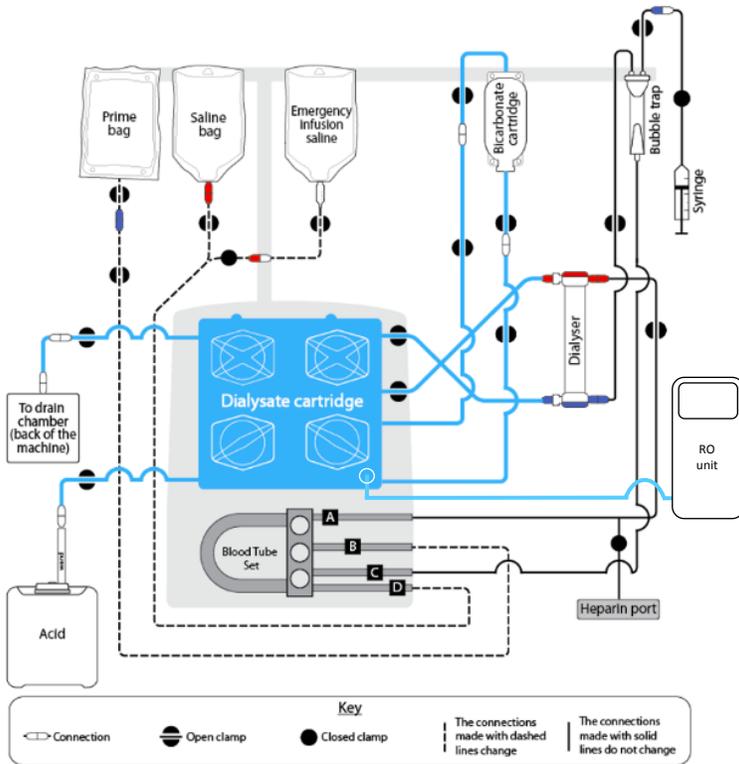
Full flexibility over frequency and duration

- 3–7 treatments per week
- Short daily treatments with high dialysate flows
- Extended treatments with low dialysate flows



How SC+ Works

Changing how dialysate is made –
NOT how dialysis is achieved:



Cartridge-Based Design Enabling
Ease of Use

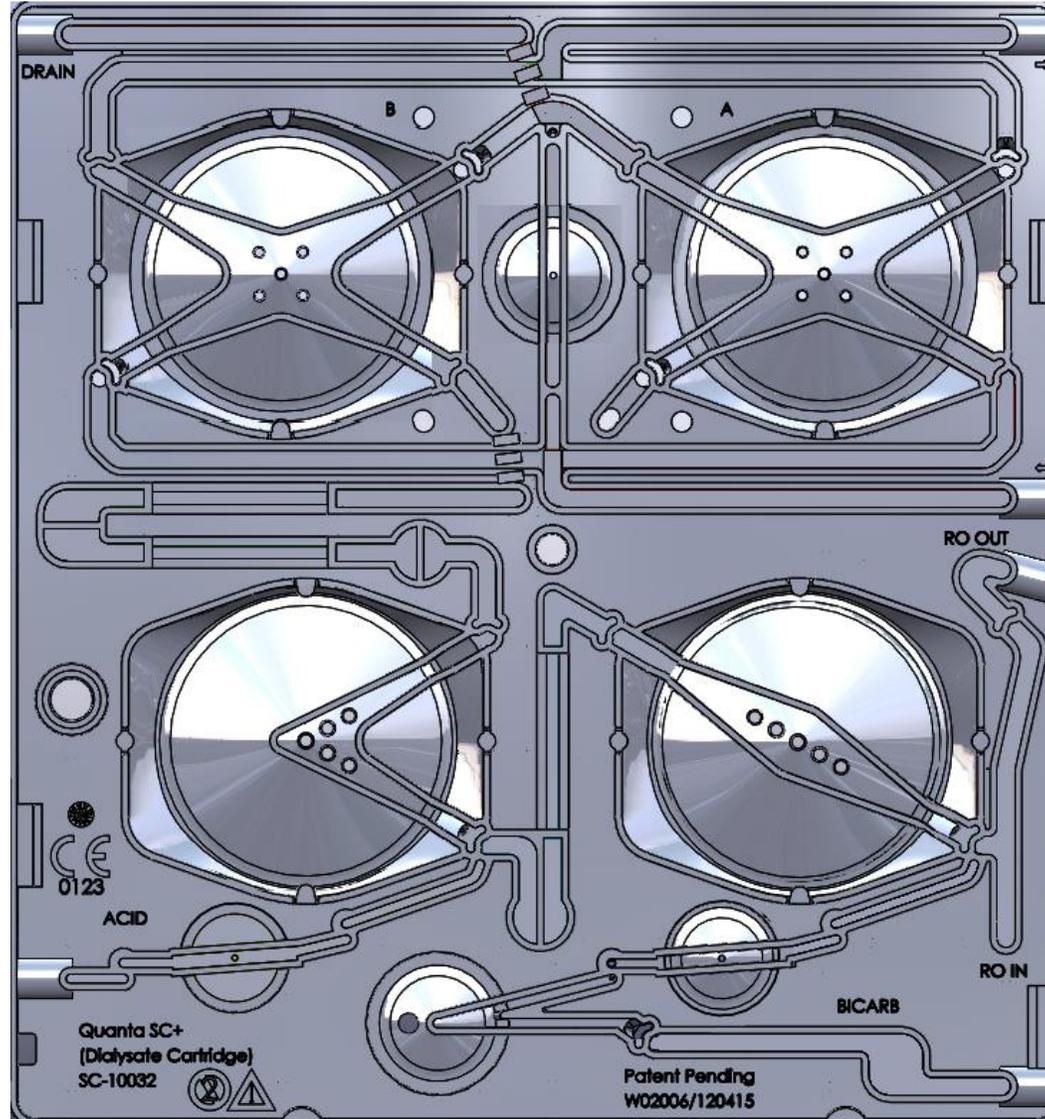
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Innovative Approach to
Fluid Handling

- Eliminates need to de-scale
- Lightweight membrane-based pumps replace heavy, traditional plumbing
- Enables compact form-factor
- Industry standard dialysate fluid, generated on-demand at high volume

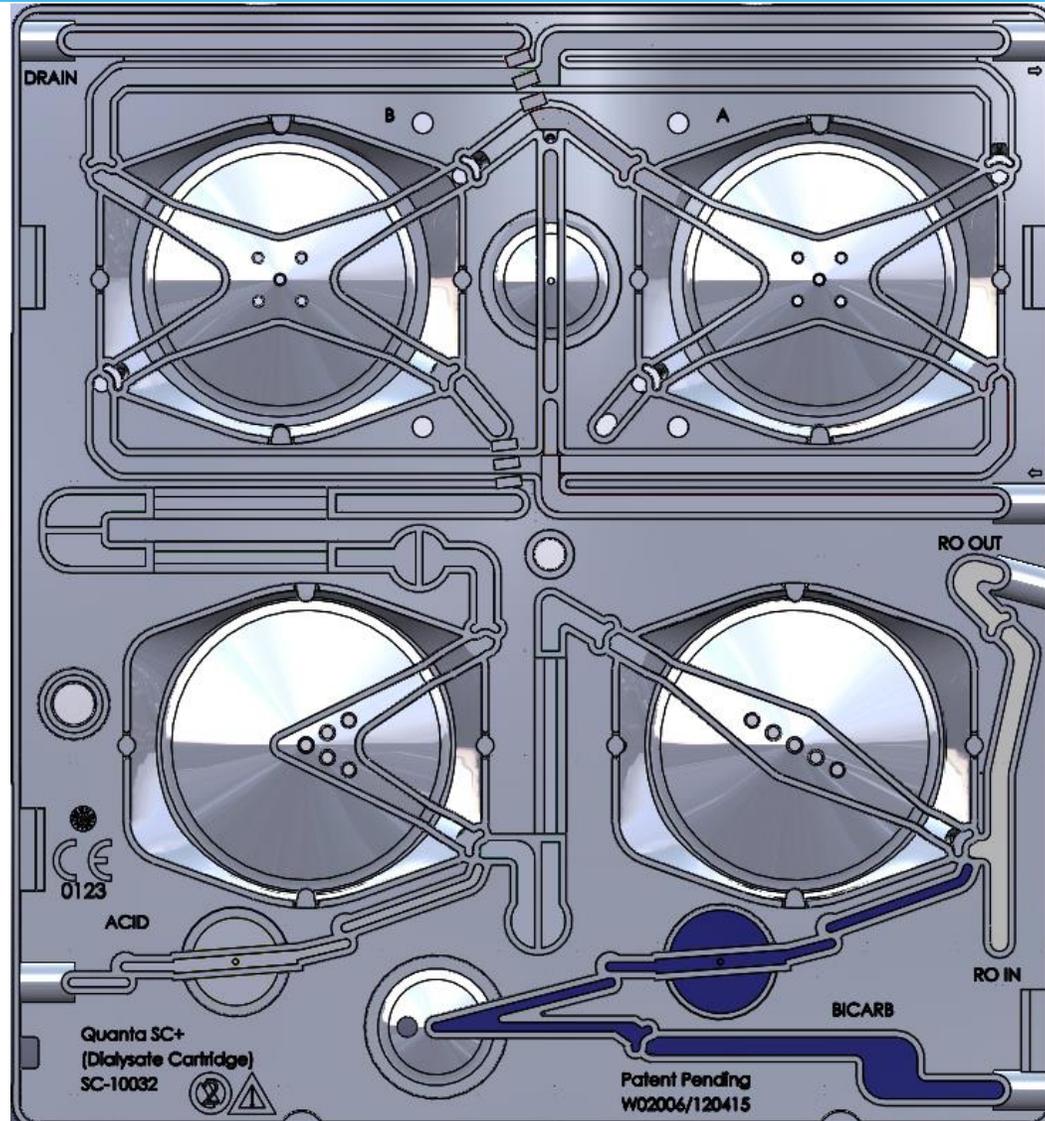
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Small, Simple and Powerful

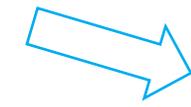


Quanta SC+
(Dialysate Cartridge)
SC-10032

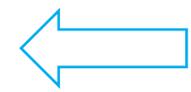
Patent Pending
W02006/120415

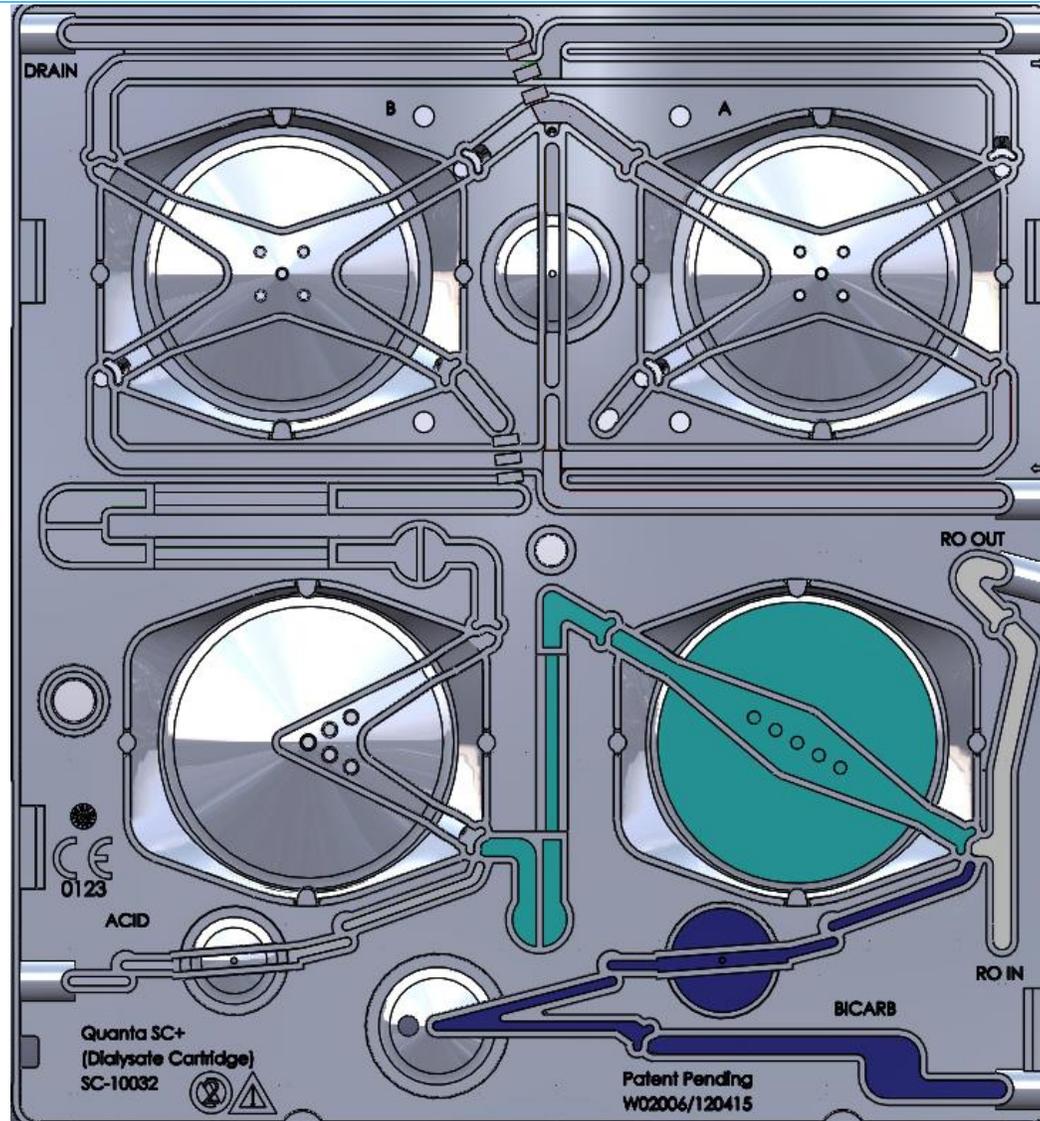


RO Water



Saturated Bicarbonate

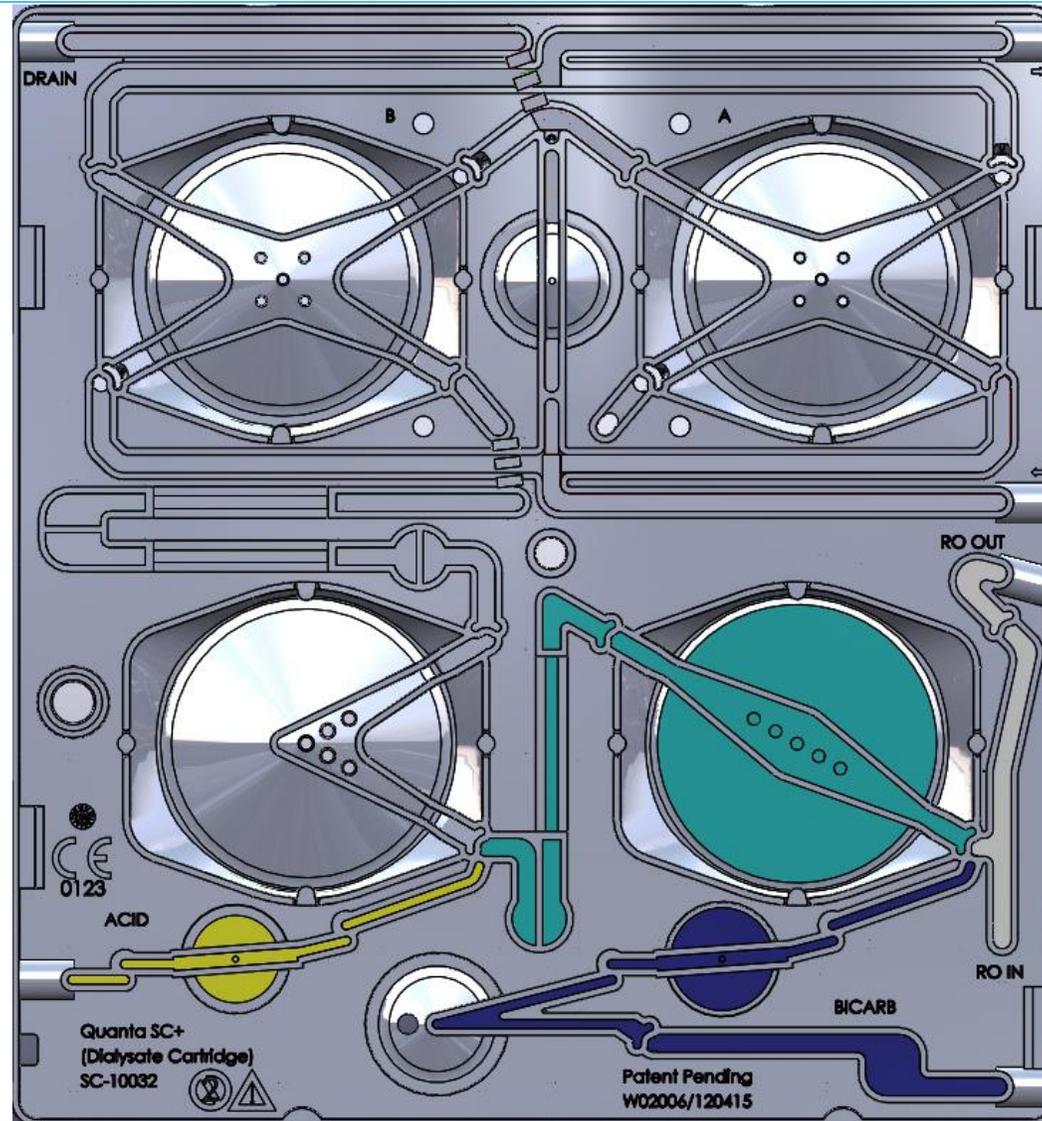




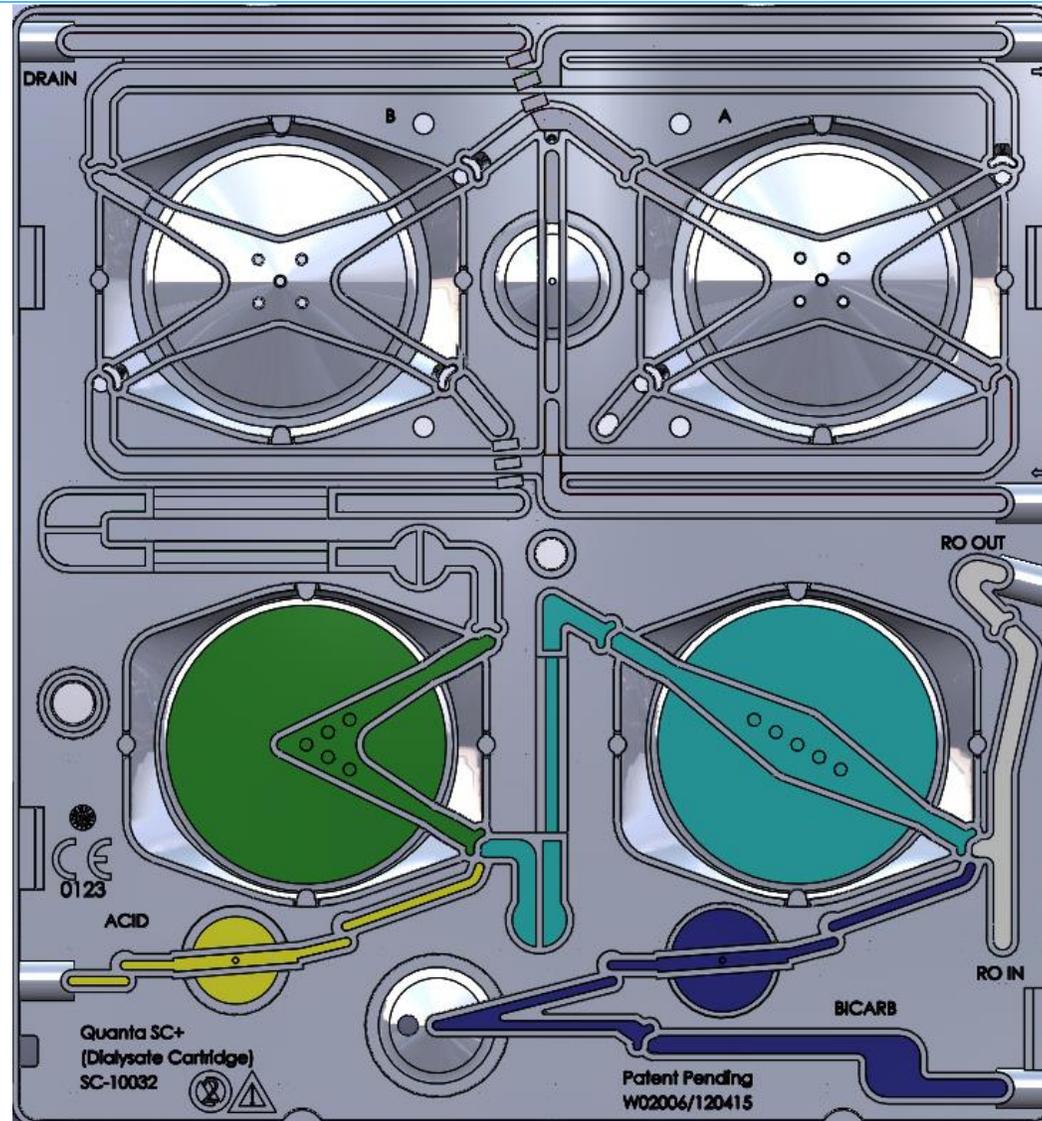
Bicarbonate
Mixing



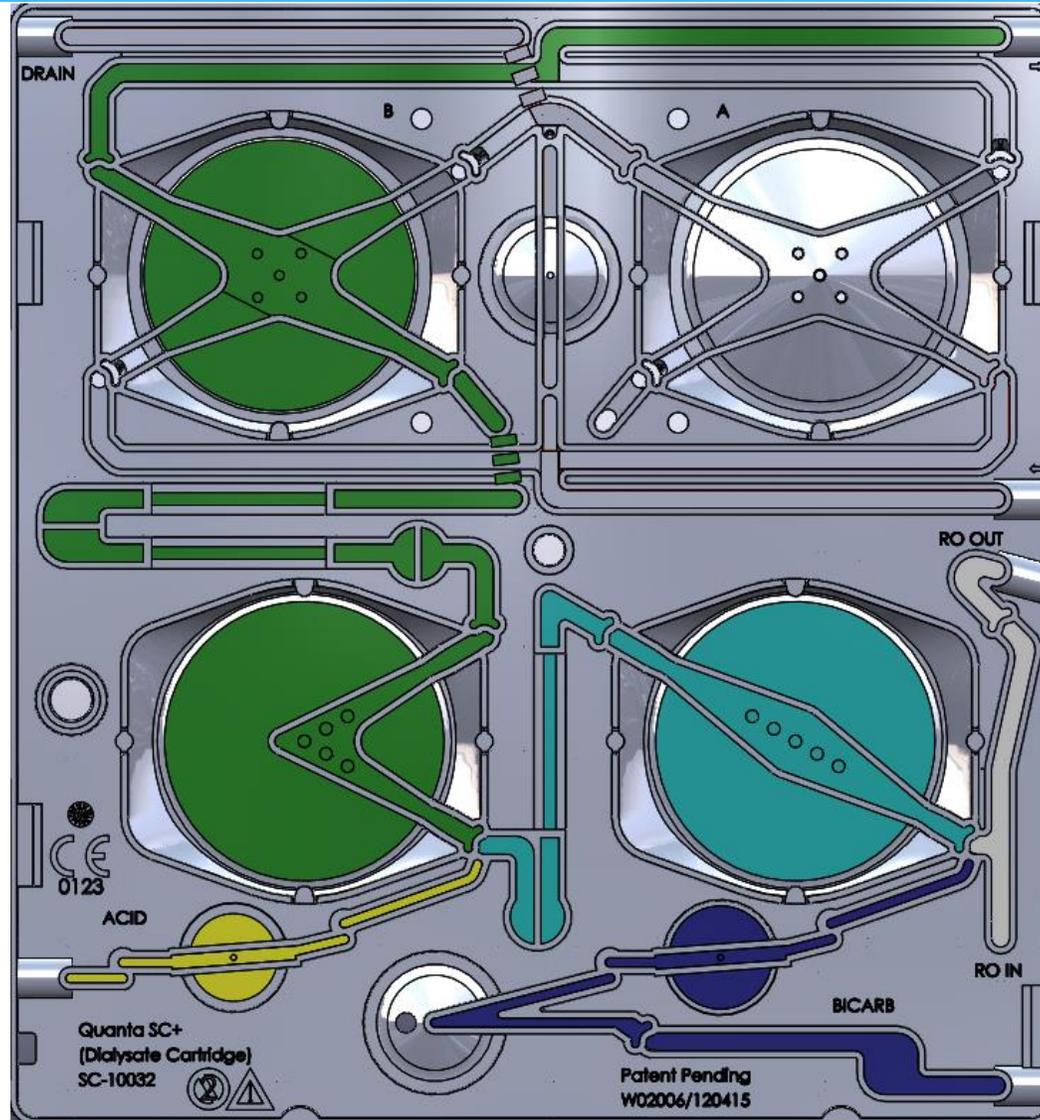
Acid Intake



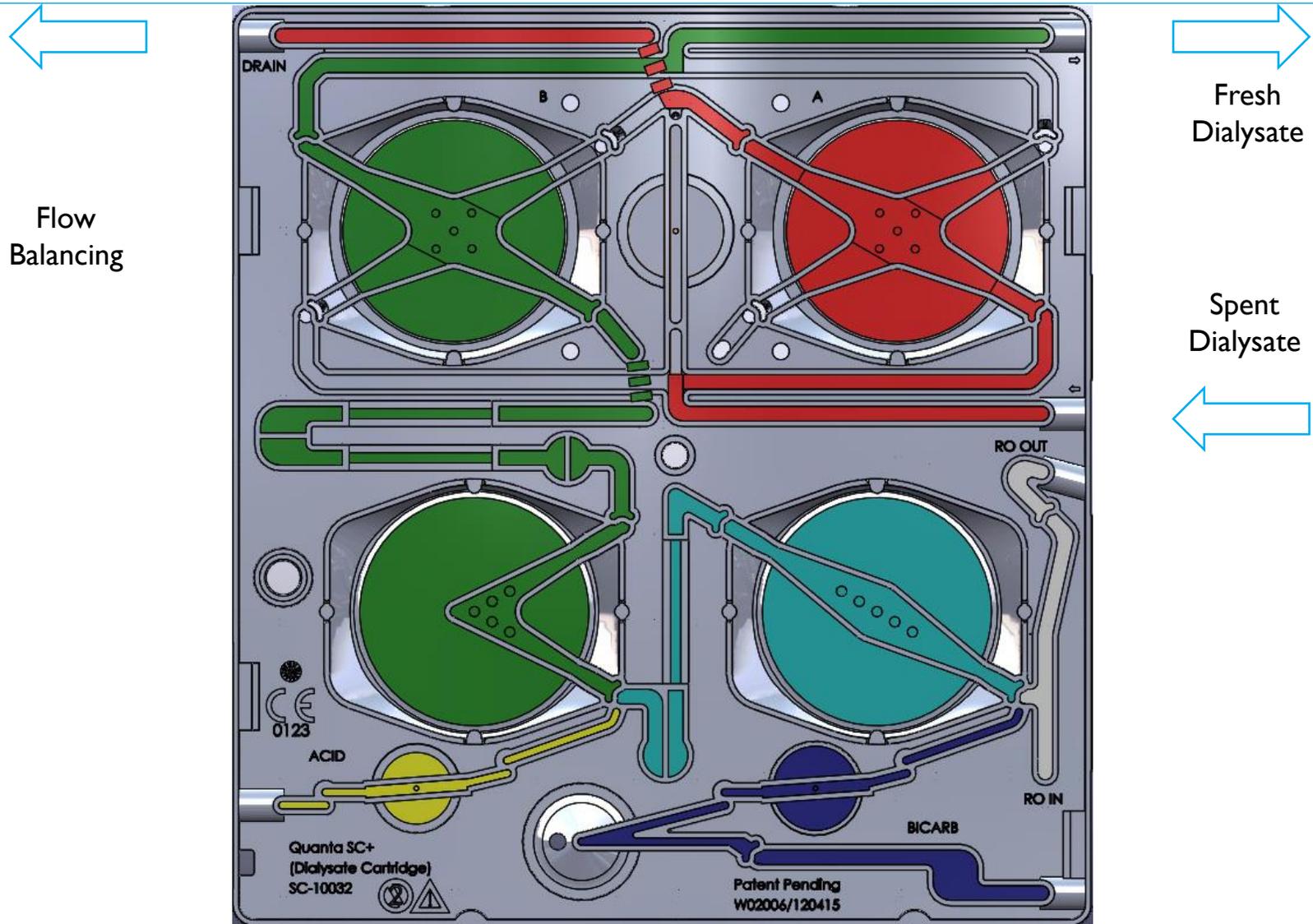
Dialysate



Flow
Balancing

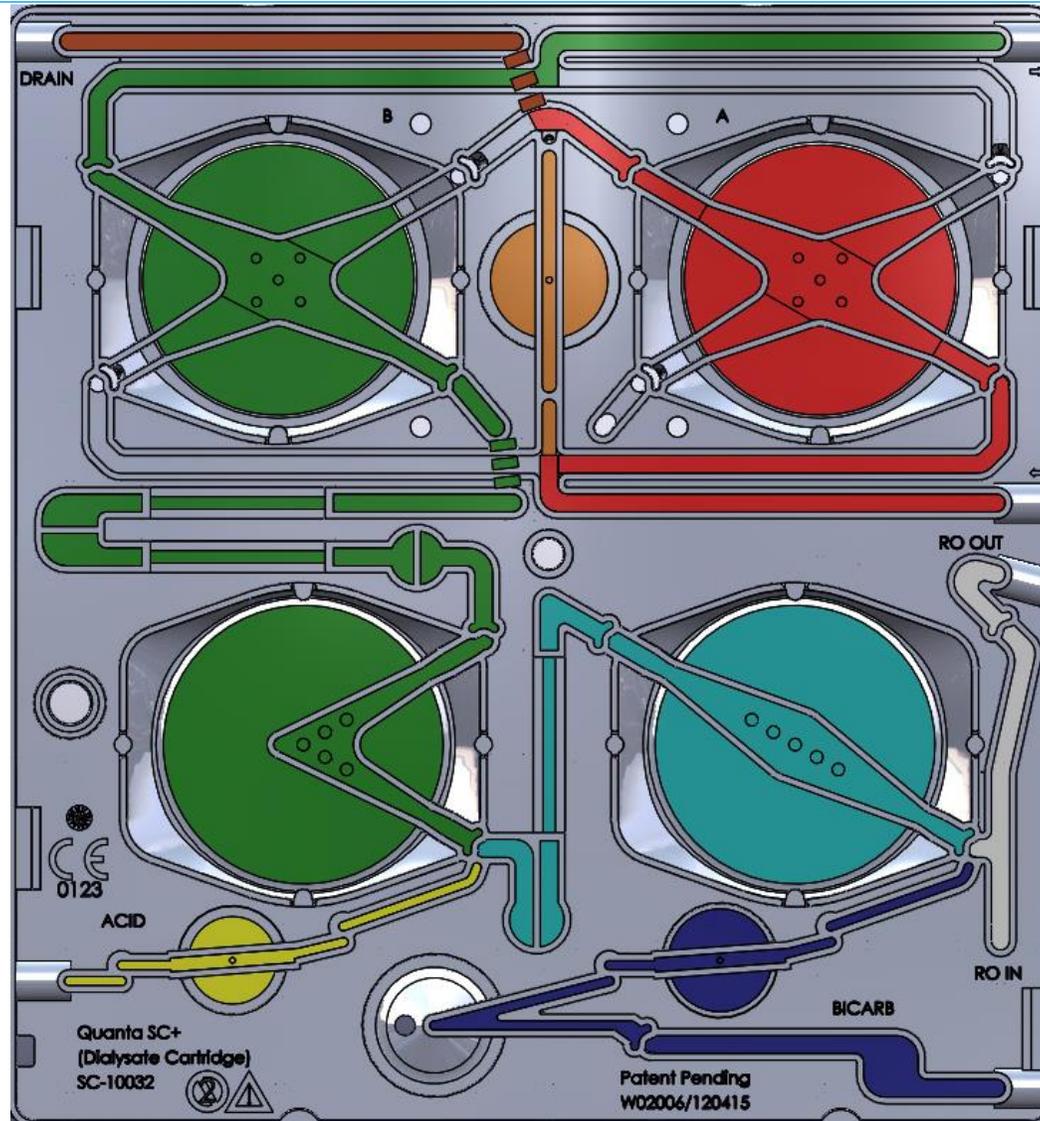


Fresh
Dialysate





UF
+
Flow
Balancing

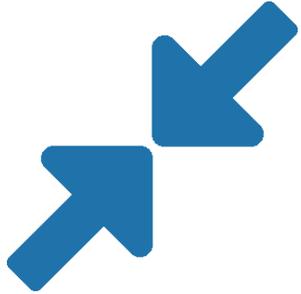


Fresh
Dialysate

Spent
Dialysate



Small, Simple and Powerful



Small

- Supports patient choice and confidence
- Blends easily into a wide range of environments, including the home
- Addresses prevalent patients enabling scaling of patient-led treatments



Simple

- Easy to set up, train and use
- Empowers more patients to take control
- Shifts training emphasis to clinical technique which may reduce early drop out
- Digital health connects the patient to the clinic

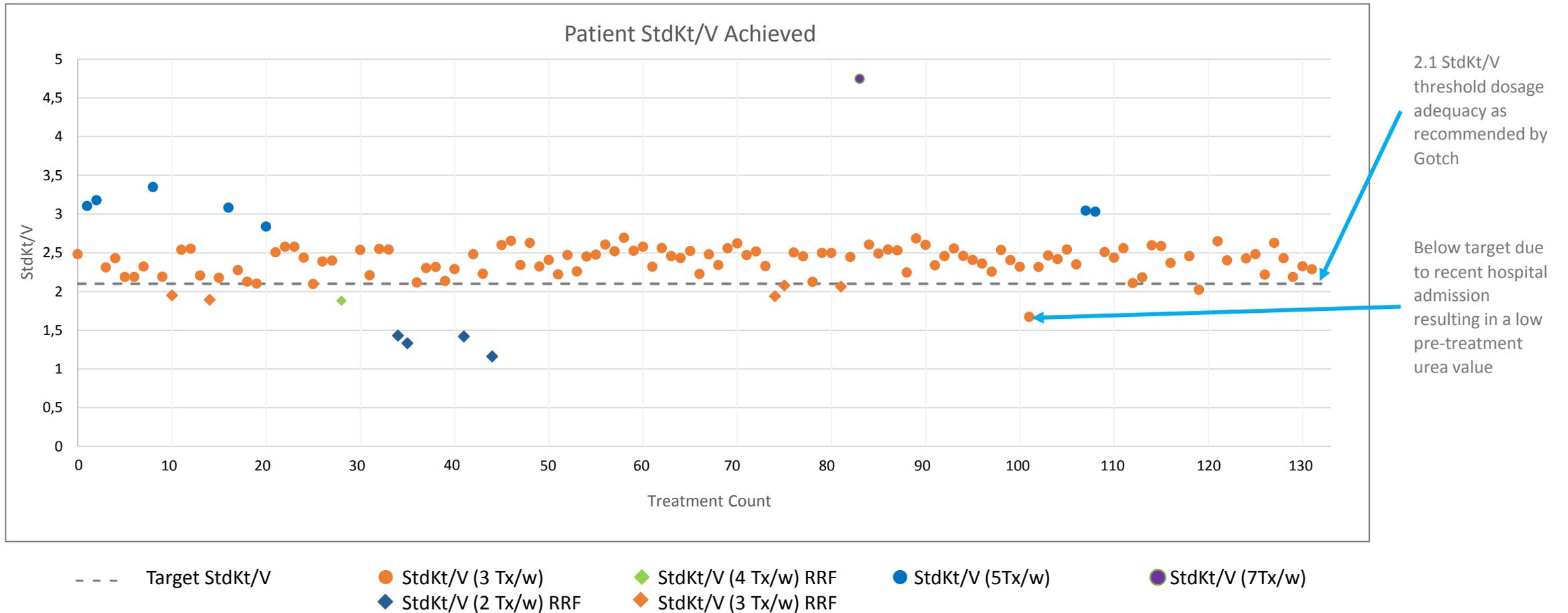


Powerful

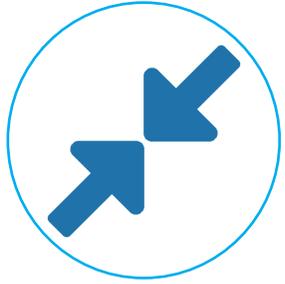
- Therapy choice maximises opportunity for improved outcome
- Flexibility fits dialysis around real life and has potential to decrease drop out
- Single solution across the entire continuum of care balances resource cost

SC+ Routinely Delivers High Clearance (n=1,346)

Results show that SC+ routinely delivers clearance above target dose for patients treated using standard, in-centre treatment regimens – delivering performance comparable to larger, traditional dialysis systems



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Small



Simple



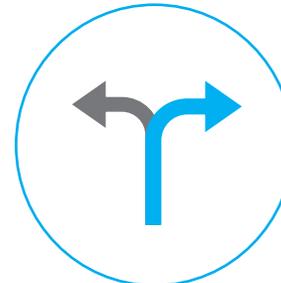
Powerful



Flexibility



Efficiency



Choice

