

# Experience Quantability™

Clinical,  
operational,  
and financial  
performance  
**on your terms.**



Quanta™  
Dialysis  
System

QUANTA



# Control



Kidney care today is antiquated and saddled with serious limitations. It's time to leave those old ways behind and take advantage of new technologies. At Quanta Dialysis Technologies® we empower you to adapt and flow to an always-changing treatment landscape. Take control of dialysis and optimize clinical, operational, and financial performance — on your terms.

**This is our unique  
Quantability™.  
Make it yours.**

**QUANTA™**

Introducing the  
**Quanta™  
Dialysis  
System**

# Take charge.

## Cost & Infrastructure

- Decrease spend on costly bagged dialysate and disposables<sup>1</sup>
- Operate a leaner device fleet with a single solution that can be used across multiple care settings
- Standardize dialysis care - from supply costs to labor inefficiencies - using an in-house service model

## On-Boarding & Staffing

- Optimize clinical and technical staff to deliver treatment in a time of increasing turnover and staffing difficulty
- Empowers your staff to spend more time focusing on direct patient care, and less time on on-boarding

## Labor & Resources

- Seamlessly transition between dialysis modalities in the critical care setting based on the patient's needs<sup>2</sup>
- Reduce device and consumables storage to optimize hospital space<sup>3</sup>



Simple setup and take-down coupled with easy to follow on-screen instructions makes dialysis accessible to a broad range of users.<sup>4</sup>

With the proprietary QDS™ dialysate cartridge, fluids never touch the device, eliminating the need for chemical disinfection.<sup>3</sup>

Integrate into any dialysate quality water infrastructure with the modular and mobile QDS water purification cart, available as is or with a standalone RO, that can easily be placed across the continuum of care<sup>3</sup>



The Quanta™ Dialysis System is the first and only device FDA-cleared device offering Trinal Kidney Therapy™ (TKT™). With TKT, acute settings can perform IHD, SLED or bagless CRRT<sup>2</sup> all with a single, easy-to-use and operationally efficient system, giving you the control you want, on your terms. That's Quantability™ — a quantifiable leap forward in kidney care.



# Trinal Kidney Therapy™

Triple your performance.

## IHD

Intermittent Hemodialysis

≤4  
HOURS

## SLED

Sustained Low Efficiency Dialysis

≤12  
HOURS

## CRRT<sup>2</sup>

24-hour Bagless Therapy

≤24  
HOURS

# Quantability.<sup>TM</sup> An unrivaled power trio.

A modular platform that will improve your treatment cost structure, hospital-wide efficiencies, and deliver powerful, quantifiable performance so you can focus on the business of optimized patient care.

**Flexibility**  
Maintainability  
Trainability

## Flexibility

The Quanta™ Dialysis System gives hospitals and their staff the versatility to perform Trinal Kidney Therapy™ on a single, modular platform. Patients can receive the proper therapy for their immediate clinical condition while reducing the labor and resource burden on healthcare providers and their staff.<sup>1</sup>



### Precise

1. FDA-cleared to deliver a high dialysate flow rate of 500 mL/min as well as longer, slower therapies at dialysate flow rates of 50, 100, 200 and 300 mL/min.<sup>2</sup>
2. Make adjustments mid-treatment while maintaining industry-leading fluid management accuracy – demonstrated flow balance (mL/hr) and UF accuracy of +/- 13mL/hr.<sup>5</sup>



### Efficient

1. Expand your staff's capabilities to perform various therapies and eliminate the need to bring multiple devices into the critical care unit.<sup>2</sup>
2. Generate dialysate on-demand and eliminate the need for post-treatment disinfection, with our proprietary single-use cartridge.<sup>3</sup>



# Quantability.<sup>TM</sup> An unrivaled power trio.

A modular platform that will improve your treatment cost structure, hospital-wide efficiencies and deliver powerful, quantifiable clinical performance so you can focus on the business of optimized patient care.

Flexibility  
**Maintainability**  
Trainability

## Maintainability

The Quanta™ Dialysis System changes the way dialysis is delivered in your hospital. Compact, and portable, it is the economical way to treat your patients.



### Portable

1. Optimize floor space with a single solution in your critical care unit<sup>2</sup>
2. Solve for infrastructure limitations and overcrowded treatment rooms<sup>2</sup>
3. Configurable and modular to meet the needs of your clinic<sup>3</sup>



### Economical

1. Requires a single weekly hot rinse saving your staff upwards of 14 hours / wk / device in daily cleaning time<sup>3</sup>
2. On-demand dialysate generation is >80% cheaper than CRRT<sup>2</sup> pre-mixed bags & pre-assembled cartridge/ filter sets<sup>1,3</sup>
3. Storage of acid concentrates requires ~95% less space compared to CRRT<sup>2</sup> bag storage.\*<sup>1</sup>



\*Assuming treatment time is equal

# Quantability.<sup>™</sup> An unrivaled power trio.

A modular platform that will improve your treatment cost structure, hospital-wide efficiencies and deliver powerful, quantifiable clinical performance so you can focus on the business of optimized patient care.

Flexibility  
Maintainability  
Trainability

## Trainability

The Quanta™ Dialysis System empowers staff to spend more time focusing on direct patient care, and less time on-boarding and performing routine maintenance.

### Simple

1. Intuitive display and touch screen user interface allow for effective training.<sup>1</sup>
2. Generates dialysate on-demand helping to minimize the disruption of clinical work practices for improved hospital throughput.<sup>3</sup>
3. Delivers a 97% success rate among HCP's with minimal training.<sup>6</sup>

### Efficient

1. Simplified design may reduce labor intensive tasks.<sup>2</sup>
2. Eliminate the need for bagged dialysate changes, which can occur 10+ times over a 24-hour shift, saving time and money.<sup>3</sup>





# Tap into a comprehensive support system.

## A Device Installation and Program Implementation

- Optional installation and maintenance from a Quanta™ field service engineer
- Partnership opportunity available with implementation consultant to develop guidelines, identify opportunities for staffing efficiencies and create protocol models for your departments

## B Initial Training and Support

- Flexible training programs from the Quanta clinical team and nurse staff
- Access to e-learning modules for on-demand training when you need it

## C Ongoing Technical Support and Maintenance

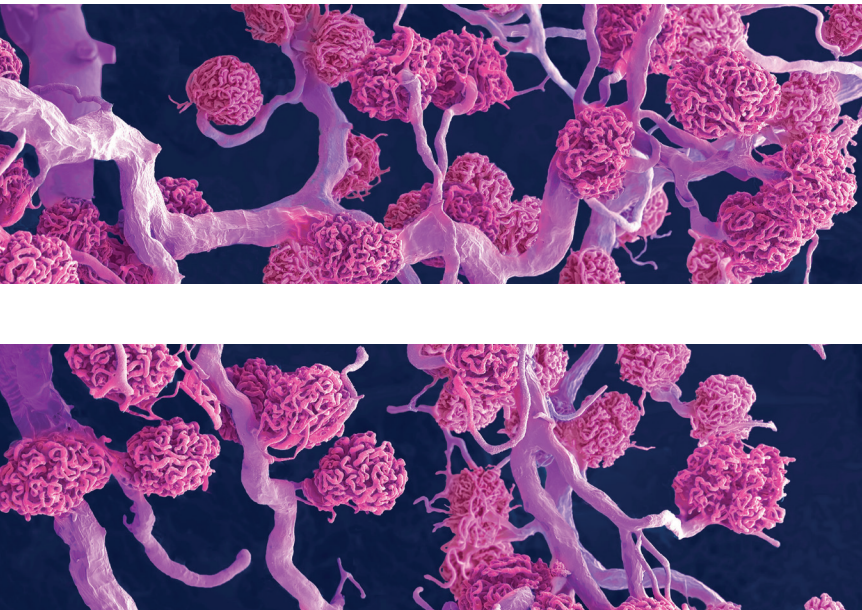
- 24-hour hot swap promise mitigates the risk of system downtime
- Leverages the QDS™ digital platform to monitor device health
- 24/7 customer care and technical support

*The Quanta™ Dialysis System has been safely installed and due to its ease of use, Quanta has been able to deliver training in under six hours enabling our ICU nurses to quickly, effectively and efficiently treat those people that need it most.*

**Dr. Emma Vaux**  
*Nephrologist and Physician*

*Berkshire NHS  
Foundation Trust*





# Flexibility. Trainability. Maintainability. **Quantability.**<sup>™</sup>

Learn how the Quanta™ Dialysis System with Trinal Kidney Therapy™ can deliver the control you need with best-in-class hardware and flexible therapy capabilities. This is our unique Quantability. Make it yours.

1. Data on file.
2. FDA 510(k) K222067
3. Quanta Dialysis System User Manual
4. Harasemiw O., et al. Human factors testing of the Quanta SC+ hemodialysis system: An innovative system for home and clinic use. *Hemodialysis Int.* 2019; 23:306-313.
5. Buckberry C., et al. Flow balance optimization and fluid removal accuracy with the Quanta SC+ hemodialysis system. *Expert Rev Med Devices.* 2020 Aug;17(8):835-843.
6. Compton K. et al., Human Factors Testing of the Quanta SC+ Haemodialysis System: Demonstrating Ease of Use in Healthcare Practitioners and Patients with Minimal Upfront Training. Poster presented at EDTA Conference 2020 Jun.

#### **Indication For Use: FDA 510(k) K222067**

The SC+ Hemodialysis System\*\* is indicated for use in patients with acute and/or chronic renal failure, with or without ultrafiltration, in an acute or chronic care facility. Treatments must be administered under physician's prescription, by a trained person who is competent in the use of the device. Treatment types available: Intermittent Hemodialysis (IHD), Sustained Low Efficiency Dialysis (SLED/ SLEDD), Prolonged Intermittent Renal Replacement Therapy (PIRRT), Isolated Ultrafiltration including Slow Continuous Ultrafiltration (SCUF) and Continuous Venovenous Hemodialysis (CVVHD).

\*\*SC+ is now known as the Quanta Dialysis System.

## **To learn more**

about the Quanta Dialysis System or to speak with a sales representative, contact us at (978)483-0669 or visit us online at [quantadt.com](http://quantadt.com)