

TRUEVUE ANALYTICS— Data Driven CRRT

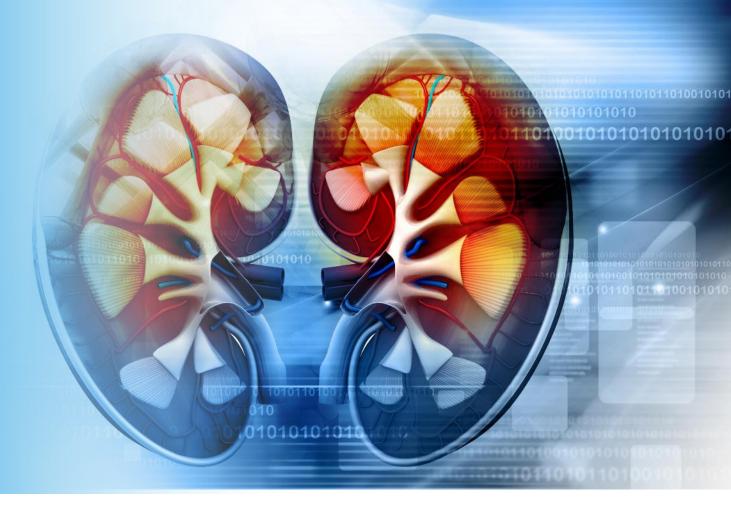
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It is no exaggeration to say that the composition of the blood is determined not by what the mouth ingests but by what the kidneys keep; they are the master chemists of our environment.

- Homer William Smith

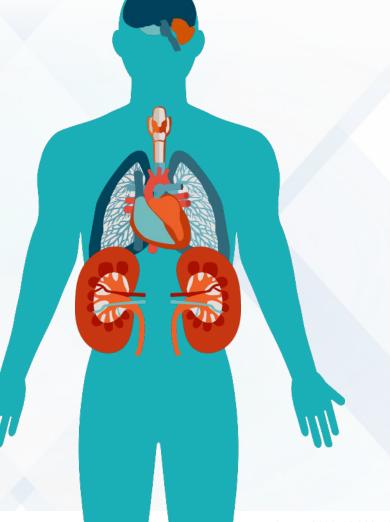


Learning Objectives Explore use of data to optimize your CRRT program

Managing Fluids in the ICU

AKI and the use of CRRT

- Acute kidney injury (AKI) may impact other organs, such as the brain, heart, and lungs¹
- Disturbances in fluids and electrolytes are a common challenge in ICU cases²
- Continuous renal replacement therapy (CRRT) delivers continuous
 24-hour treatment to restore balance³
- CRRT's gentle removal of fluids and solutes promotes hemodynamic stability⁴



When to Use Which Therapy

Intermittent Hemodialysis (IHD)

- Patient is stable and capable of tolerating rapid removal^{1,2}
- Short duration, 3-4 hours every 48 hours¹
- Rapid solute and volume removal¹
- Increased risk of systemic hypotension and hemodynamic instability^{1,2}

Continuous Renal Replacement Therapy (CRRT)

- Preferred modality for managing hemodynamically unstable patients³
- AKI patients less stable and unable to tolerate IHD therapy^{1,2}
- Performed continuously over 24-hour period with gradual removal of solutes and fluids¹
- Hemodynamic tolerance improved due to gradual removals^{1,2}





Key CRRT Challenges

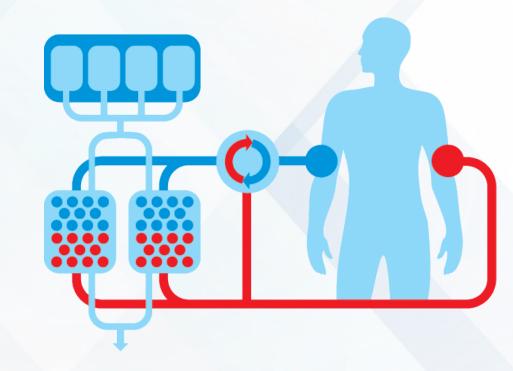
Considerations for your ICU program

- Ensuring CRRT proficiency, education, and experience
- Establishing and managing optimal therapy plan and its execution
- Balancing cost considerations

Managing the Optimal CRRT Program

Delivering successful therapy with CRRT depends on multiple factors:

- Filter "set" life
- Treatment time/treatment time lost
- Dose delivered relative to target
- Fluid removal rate
- Access/return blood flow rate







The Starting Point



The PRISMAFLEX System Gather data that your device captures

- Your device captures non-PHI data:
 - Modality
 - Duration of therapy
 - Non-identifiable patient attributes (ie. age, weight)
 - Alarms
 - Consumption of filters and fluids
- Establish a method for systematic collection of data
- Create a plan for regular analysis and review









Leverage Available Vendor Support

Device and clinical expertise

- Assist in establishing and supporting a successful CRRT program
- Support device and related software platforms
- Assist in the identification of procedural gaps
- Ongoing customer support



Software Tools

Powerful analysis tools are available through your vendor support experts



The Big Picture

How it works









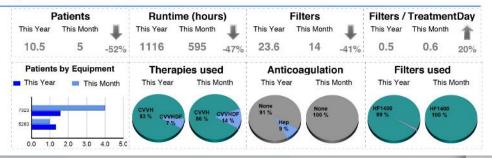
Report generation

Dashboard Review

High level look vs. customized targets

- Q. 1) What is our average filter life?
- Q. 2) How much treatment time is lost?
- Q. 3) How are we tracking toward our dosing target?
- Q. 4) How much fluid was removed per TreatmentDay?
- Q. 5) How many access/return (AR) alarms do we have?

September at a Glance

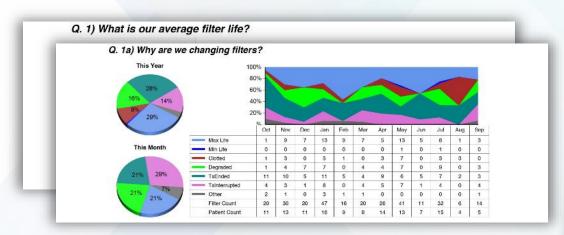


Provides a summary view with trending over time. Track against YOUR established targets.



Filter Set Life

Maximize clinical benefit; minimize cost



Understand your average filter life
Analyze reasons for filter changes
Explore opportunities to improve filter life



Clotting

Key contributor to reduced filter set life

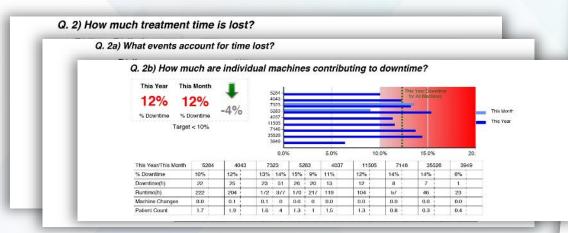


Examine flow rates, clotted vs. non-clotted filters

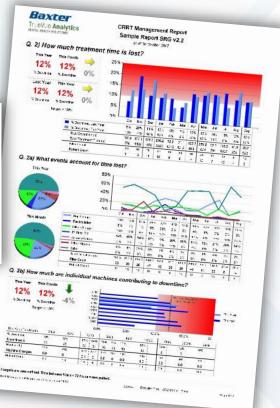


Treatment Time

Measure and manage lost time

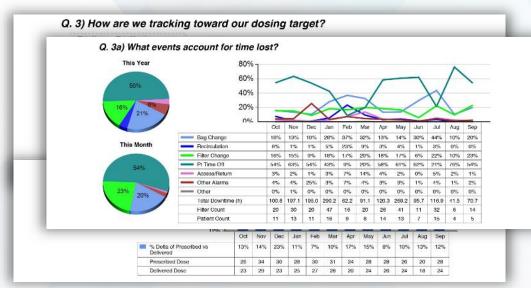


Trend treatment lost vs. target: annually, monthly Assess specific events causing downtime Isolate machines as key contributors of lost time



Dosing

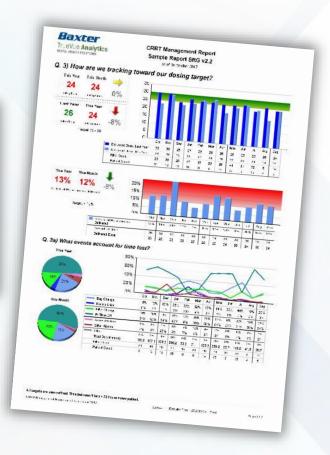
Track dose delivery relative to target



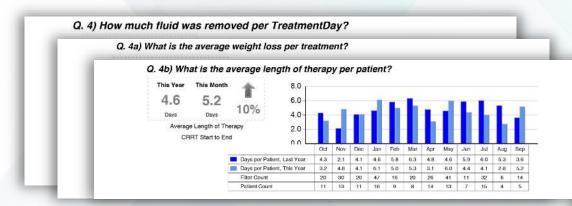
Track against dosing target range

Monitor variances to acceptable deltas

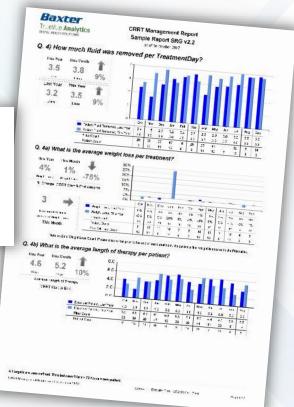
Evaluate delta variances vs. reasons for time lost



Fluid Removal Trend and track fluid removal data

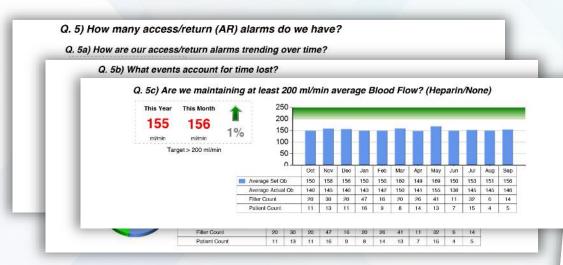


Understand fluid removal rate trends
Compare fluid removal to weight loss
Measure length of therapy, start to end



A/R Alarms

Monitor Access/Return blood flow rate



Track access/return alarm activity over time Assess A/R alarms contributing to time lost Trend blood flow over time vs. target



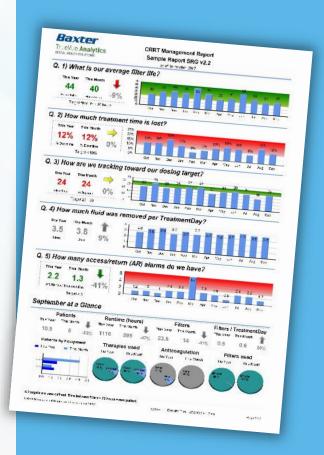
Recap

Use data to optimize your CRRT program

Recap

Use data to optimize your CRRT program

- Determine which therapy is right for each patient
- When using CRRT, leverage all resources available to you
- Mine the data from your device to establish an optimization plan
- Benchmark against targets and history



Learn More

Leverage online and professional resources



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Thank You

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