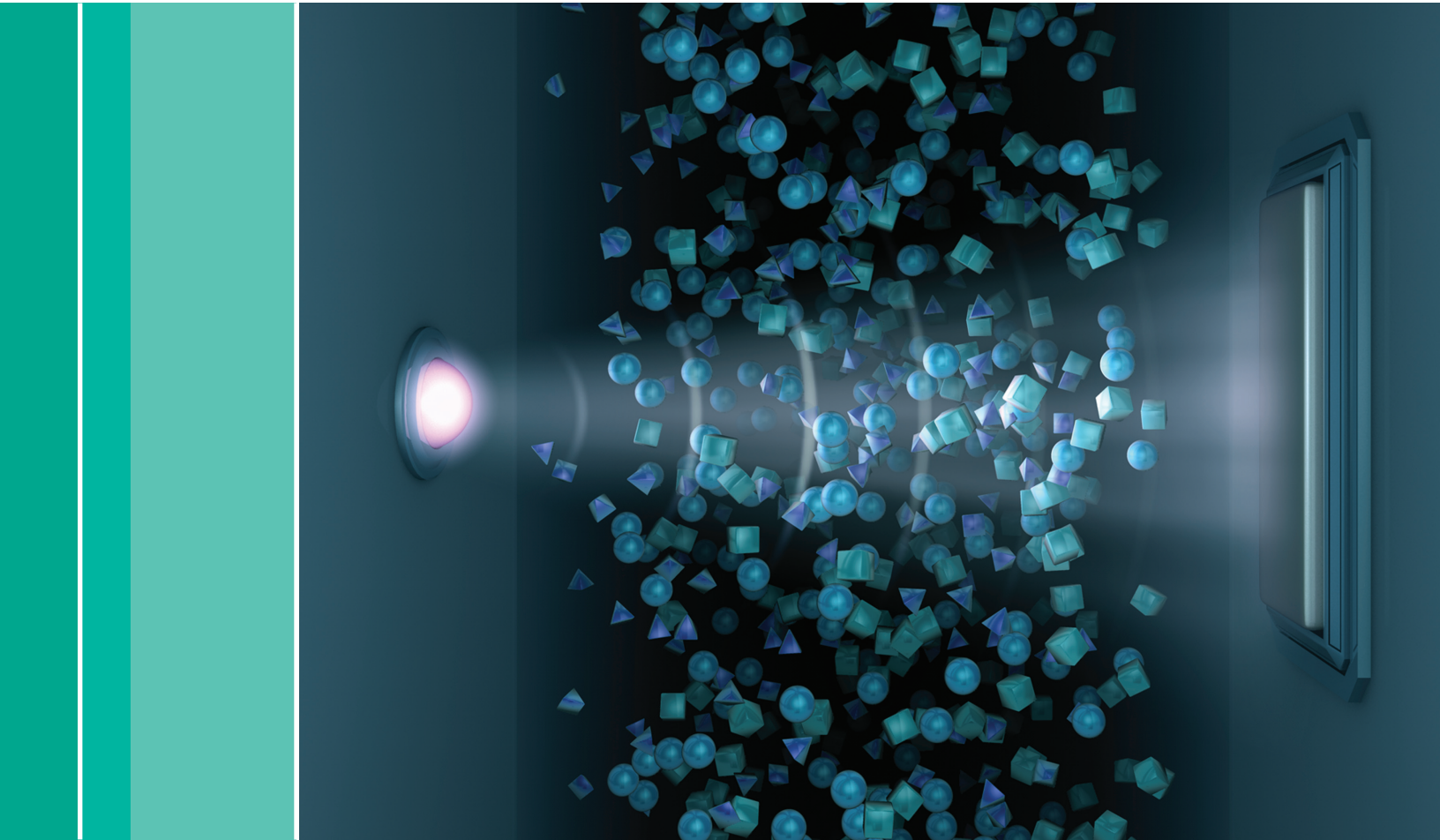


Adimea™

Real-Time Dialysis Monitoring

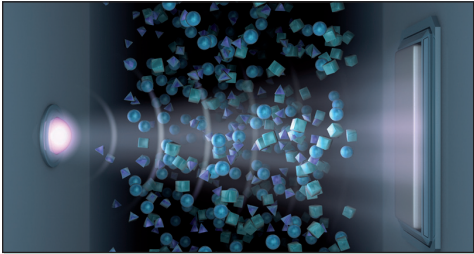
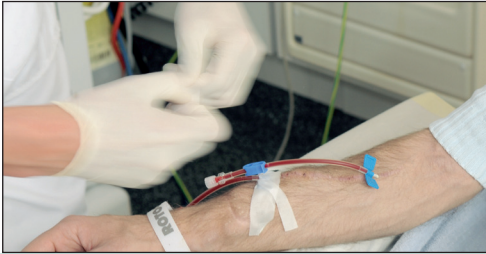
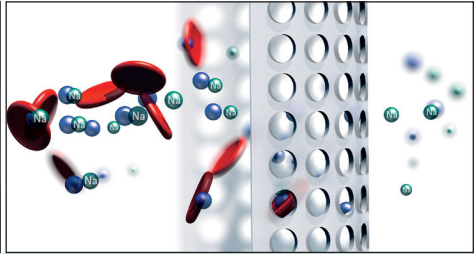
Continuous monitoring and display of the dialysis effectiveness (Kt/V or URR) during the patient's treatment.



Once activated, the Adimea monitoring system provides:

- Continuous display of URR and Kt/V
- Selection and monitoring of target Kt/V value
- Fast access to treatment parameters to influence outcome

The following is a comparison of Adimea's innovative approach to current methods used for monitoring dialysis dose.

Adimea	Blood Kt/V	DiaScan®/OCM
		
Principle		
Use of spectrophotometric measurement principles (UV light)	Pre- and postdialytic blood sampling	Determination of filter clearance "K" using sodium dialysance
Continuous measurement of waste products in the spent dialysate via UV-absorbance	Urea determination in the laboratory	2nd probe measures change in conductivity after the dialyzer
Changes in UV-absorption correlate with changes in urea concentration	Kt/V calculation based on lab values	Sodium Clearance correlates to urea clearance of the dialyzer
Innovative approach	Widely used	Not widely used
Characteristics		
Continuous measurement in every treatment	No real-time monitoring	Only periodic measurements during treatments
Alarm notifies user if the target will not be achieved	Results available after the treatment	Measures only the dialyzer clearance
Measures change in concentration	Measures absolute concentrations	Accuracy depends on precise determination of parameter "V" (by user)
High accuracy validated in clinical evaluation	Accuracy heavily influenced by blood sampling procedure	Parameters cannot be changed during measuring phases
Result can be seen directly on Dialog+ screen	Results are available on a monthly basis	No display of a realtime curve
Real time display of URR / spKt/V / eKt/V	Changes to parameters not possible until next dialysis session	Only one compartment Kt/V
No "V" determination required	Extra determination of URR / spKt/V/eKt/V	Manual "V" determination required (by user) with an external device
No additional costs for service or extra disposables	No "V" determination required	Frequent preventative maintenance required
Changes can be evaluated for several treatments to better assess treatment effectiveness	Blood sampling variability	