

Vascular access is a key component of successful dialysis in the ICU



20–60% of all intensive care unit patients suffer from acute kidney injury¹⁻³

Dialysis efficiency may affect morbidity and mortality in the critically ill⁴

Dialysis efficiency can be influenced by:

- > Circuit life⁵
- > Filtration rate⁴

The benefits of longer and uninterrupted dialysis sessions are well documented:

- > Reduced circuit life leads to adverse patient consequences⁶



The BD® Power-Trialysis™ Short-Term Dialysis Catheter is indicated for use in attaining short-term (<30 days) vascular access for hemodialysis, hemoperfusion, and apheresis treatments⁷

- > The distal (purple) lumen is completely independent from the two dialysis lumens and may be used for intravenous therapy, power injection of contrast media, and central venous pressure monitoring⁷
- > Oval catheter design resists kinking⁷
- > Made of thermosensitive polyurethane, which softens when exposed to body temperature⁷
- > Symmetrical tip allows for 2% recirculation on average in forward and reverse⁷



In two US hospitals (n=1,037), switching to Power-Trialysis™[†] resulted in improvement in several factors known to impact dialysis efficiency:⁸

↑
31%

Increase in circuit life[‡]

20%
↓

Decrease in vascular access-related interruptions[‡]

↑
3%

Increase in blood flow rate[‡]

58%
↓

Decrease in non-elective treatment terminations[‡]

[†]Before the switch, the hospitals used: Mahurkar Elite IC Catheter Kit, 12 Fr x 13 cm, Curved, 3-Lumen Medtronic, Fridley, MN; Covidien Mahurkar Elite 12F Dual Lumen Catheter 16cm, curved, Kit Medtronic, Fridley, MN; High-Pressure Triple Lumen Acute Dialysis Catheter IC Tray, 20cm, Curved Extensions, 12 Fr, Cardinal Health, Dublin, OH. Post-switch the hospitals utilized a single catheter: BD Power-Trialysis Short-Term Curved Extension Dialysis Catheter in full procedure trays, 15 cm and 20 cm Insertion lengths[‡]

[‡]p<0.05



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