

Melomed Gatesville Hospital Leads with Innovative Citrate Anticoagulation in Renal Care & Introduces Groundbreaking Prismax Technology.



Melomed Gatesville Hospital has become the first private healthcare provider in the Western and Eastern Cape to introduce Citrate Anticoagulation technology as a standard of care in its acute renal care services.

Dr. Craig Arendse, a specialist physician/nephrologist at Melomed Gatesville Hospital, is thrilled to be part of this medical advancement. This technology is designed to support continuous renal replacement therapy (CRRT) for patients, allowing for safer, extended treatment sessions.

Citrate Anticoagulation is especially valuable because it minimises bleeding risks commonly associated with traditional heparin-based therapies. By binding calcium in the blood, citrate provides effective, localised anticoagulation within the dialysis circuit itself, reducing the need for systemic anticoagulation that can lead to complications in critically ill patients.

In another groundbreaking development, Melomed Gatesville has launched South Africa's first PRISMAX continuous kidney replacement therapy machines, setting a new benchmark in renal and critical care. The

Prismax system is a multiple-organ support machine, not only providing advanced renal replacement therapy but also offering respiratory extracorporeal carbon dioxide removal (ECCOR2)—a major advancement for critically ill patients requiring both kidney and lung support. This innovative technology enhances Melomed's renal care unit's ability to deliver state-of-the-art treatment, integrating seamlessly with the hospital's regional Citrate Anticoagulation protocol.

This pioneering step demonstrates Melomed's and our ICU team's unwavering commitment to delivering cutting-edge care, making Melomed Gatesville Hospital the leader in private renal services across the region and beyond.

