

## **NephroPlus launches first of its kind automated dialyzer reprocessor, Renova to cut down the cost of hemodialysis for kidney patients**

*With the in-built cloud storage, the new patent-winning dialyzer reprocessor offers readable and uncomplicated patient clinical reports of dialysis processes*

NephroPlus, a leading dialysis network and a trailblazer in redefining dialysis care in India, announced the launch of the revolutionary all-digitalized dialyzer reprocessor, Renova™. With the launch of this first-ever product innovation implemented by the brand's in-house R&D team, NephroPlus is aiming to enhance the technology and equipment associated with dialysis procedures to improve the efficiency and affordability of life-sustaining dialysis treatment for patients suffering from end-stage renal diseases (ESRD) in the world.

A dialyzer, also called the artificial kidney is the most important apparatus used in the dialysis procedure; it draws out unclean blood from the patient's body, filters out all the extra sugar, salt, waste, and fluid, and leads the cleaned blood back to the patient's body. It is also the most expensive consumable in the dialysis procedure given its paramount functionality. The traditional dialyzer reprocessor requires manual cleaning which can lead to cross-infection in patients, however, there are many dialyzer processors available with automated reprocessing which eliminates the scope of manual errors that ultimately leads to cross infections, residual chemical infusion, environmental contamination, and much more.

NephroPlus has been granted patents for several innovations in the making of Renova™. What makes the product unique is - remote troubleshooting and cloud-based storage features. With the remote troubleshooting feature enabled, a biomedical engineer can simply access the machine's operations by logging in to the device to check the functioning of every valve and fix any sort of bugs or malfunctions in operational configuration parameters, thereby saving the time to resolve the issue and the cost attached to the device maintenance. Cloud-based data storage for the dialyzer is the major breakthrough in dialysis management solutions. Initially, the dialyzers were built with an archaic printing system which gave a printed copy of the reprocessing status after patient use. The copy, however, gave poor-quality print, making it difficult for the doctors to study the reprocessing status and patient reports.

On announcing the launch of Renova, **Mr. Vikram Vuppala, Founder and CEO, NephroPlus** said, *"Over time, a lot of advances have been seen in medical treatments, yet they can be ineffective, inefficient, and consumer-unfriendly. These shortcomings arise due to a range of problems due to medical errors. Such problems beg for innovative solutions involving all aspects of healthcare from technology to treatment delivery. With the introduction of NephroPlus's debutant product innovation, we aim at reshaping dialysis care in Indian and beyond."*

*“Apart from remote troubleshooting and linking the reprocessor to a cloud-based storage unit, several other hardware improvements have been made which fix many problems with the machines in the market. We plan to make these machines available to other dialysis centers as well to promote accessibility. We hope this will improve the efficiency of dialysis centers in the developing world and help to provide safe, effective dialysis to all patients.”*, adds **Mr. Kamal Shah, Co-founder & Director of Guest Services, NephroPlus**

As part of pilot testing, Renova was installed at 4 NephroPlus centers across Chennai, Bengaluru, and Hyderabad to test its performance, fallibility, and technical drawbacks. *“Doctors will get access to reprocessing data which is stored online. Better analysis of the data will be possible including correlating reprocessing data with clinical outcomes. Patients will benefit as they will get access to a very safe and efficient reprocessing machine which will deliver better outcomes.”*, opines **Dr. Suresh Sankar, Senior Vice-President of Clinical Affairs, NephroPlus.**

Many studies have revealed that the provision of medical services for the treatment of end-stage-kidney diseases (ESRD) poses serious financial challenges on account of well-equipped modalities related to dialysis services. By introducing the revolutionary reprocessing technology, NephroPlus has offered a way to save costs of dialysis care services without compromising the quality. Mass manufacture of Renova™ is in progress as the installation is programmed within a month.

#### **About NephroPlus:**

NephroPlus operates 270 dialysis centres in 166 cities across 23 states in India and is known for its quality focus and patient-centricity. The company was established 11 years back with a vision to enable people on dialysis across the world to lead long, happy, and productive lives. The company treats 18,000+ patients per month and has performed 60+ Lakh treatments to date. For further information: <https://www.nephroplus.com/>

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