

NephroPlus launches Renova™, first of its kind automated dialyzer reprocessing technology that will make hemodialysis an affordable option

~With the in-built cloud storage, the new patent-winning product from NephroPlus offers readable and simplified patient clinical reports~

Hyderabad, XY, July 2022: 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, NephroPlus aims to enhance the technology and equipment associated with dialysis procedures to improve the overall efficiency and offer the affordability of life-sustaining dialysis treatment for patients suffering from end-stage renal disease (ESRD) in the country. At present, that breakthrough innovation will start as a pilot project across four centers in Hyderabad, Chennai, and Bangalore.

Renova™ is a cloud-connected device. Using the power of the internet cloud, Biomedical Engineers can troubleshoot and fix issues remotely. Currently, if there's a problem with any Reprocessing Machine, a Biomedical Engineer must travel to the Centre. In an age of Dialysis centers being situated across the length and breadth of the country, it can be costly for Biomedical Engineers to travel to centers for every breakdown. With Renova™, they can log in to the machine using the Renova™ app, which allows them to see the machine's status, including observing the functioning of every valve in the device during operations to figure out what is wrong. After getting some information on the cause of the problem, they can decide if a part needs to be changed or some configuration parameter needs to be fixed. All this saves a lot of time to resolve the issue and saves on time, cost, and effort for Biomedical Engineers.

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.”*

*We at NephroPlus were unhappy with one critical piece of equipment used widely in Dialysis Centres in the developing world – the Dialyser Reprocessing Machine, which is an excellent way to save costs for the patient without compromising on the quality. Our team worked on this machine, building one from scratch, by solving many problems in the devices available in the Indian and international markets. It gives us immense pleasure to announce that Renova™ has been granted a patent for the several innovations we have introduced. We plan to make these machines available to other dialysis centers 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,” added **Mr. Vuppala***

A dialyzer, also called the artificial kidney, is an essential apparatus to filter out all the extra sugar, salt, waste, and fluid, leading 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 patient cross-infection. However, the automated reprocessing units currently available eliminate the scope of manual errors that ultimately lead to cross infections, residual chemical infusion, environmental contamination, and much more.

Speaking on the latest innovation, **Mr. Kamal Shah, Co-founder & Director of Guest Services, NephroPlus**, said, *"In the past, machines in the market had an archaic printing system where the results of each Reprocessing Cycle were printed on a piece of paper and then stapled to the Case Sheet of the patient. With Case Sheets also going online, it was ridiculous to have to print out the Reprocessing Status. Further, the quality of the printer was also poor resulting in replacement costs being incurred every few months. All these factors prompted us to shift the entire process to the cloud. We are an absolute delight to introduce our breakthrough innovation Renova™. Through this product, the reprocessed data will be stored on the cloud, enabling analysis and correlated with Clinical Outcomes, which will help improve the processes."*

"Furthermore, doctors will get access to reprocessing data which is stored online. Better data analysis 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," added **Mr. Shah**

Many studies have revealed that the provision of medical services for the treatment of end-stage-kidney diseases (ESRD) poses severe financial challenges because 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 brand plans to install the unit across its 270 centers nationwide.

About NephroPlus:

NephroPlus operates 270 dialysis centers 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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