

Bengaluru researchers develop cost effective dialysis machine

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Researchers at Renalyx Health Systems in Bengaluru have come up with a made-in-India dialysis machine, which is expected to reduce cost of the medical procedure.

The machine, RxT17, started undergoing clinical trials recently at the JSS Medical College Hospital, Mysuru.

The machine is cloud-enabled and can be connected to a mobile app, so that nephrologists can monitor its functioning and the patient's response from anywhere.

The company has patents and active collaborations with premier institutions, including IIT Kharagpur, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR) and PESIT in Bengaluru.

The company intends to take the new dialysis machine to rural areas too, given its ability to connect seamlessly and its capacity to run on solar power. Such features are not available in dialysis machines imported from Japan, the US and Germany.

Dialysis machines are imported from Germany, Sweden and China at a cost of Rs 10-11 lakh a piece. A dialysis session costs between Rs 2,500 and Rs 4,000. The new machine is likely to be priced at Rs 4 lakh and it could reduce the cost of dialysis to Rs 1,000.