



Regency Superspecialty Hospital, Lucknow gave new life to 12-year-old Siddharth Nagar boy with end stage of chronic kidney disease during lockdown

- The team of doctors at Regency Superspecialty Hospital took immediate steps for treating the critically-ill patient despite various challenges of the coronavirus pandemic lockdown
- The boy had profound weakness, drowsiness, recurrent vomiting, swelling over body and was critically ill when he was admitted
- The patient couldn't reach earlier to the hospital because of lockdown, he came with very high level of creatinine of 41.49 mg/dl (normal being < 1 mg/dl) which is life threatening especially for a child of his age.

Lucknow, June 29, 2020: Regency Superspecialty Hospital Lucknow, known for performing multitude of advanced renal procedures, gave a new lease of life to a critically ill 12-year-old boy, who had very poorly functioning kidneys with acute urinary retention as he was suffering from Posterior urethral valve (PUV) which is a disorder present since birth. The team of doctors led by Dr Deepak Dewan, MD, DM (Nephrology), Director Renal Sciences, Regency Superspecialty Hospital, showed their extraordinary skills and took immediate step in treating the critically-ill Patient despite the various challenges of the coronavirus pandemic lockdown here.

The boy, Master Ritik Dubey, upon his hospitalization was immediately sent for hemodialysis through femoral access (two sessions) followed by IJVC (neck line) insertion, blood transfusion Erythropoietin injection (hormone that stimulates bone marrow to make red blood cells) and other symptomatic treatment. Hemodialysis uses a special filter called a dialyzer to remove wastes and extra fluid from the blood. The dialyzer is connected to a hemodialysis machine. Blood is pumped through a tube into the dialyzer to filter out the wastes and extra fluid. The filtered blood then flows through another tube back into the body. It helps to control blood pressure and helps in maintaining the proper balance of important minerals, such as potassium, sodium, calcium, and bicarbonate.

“Ritik was admitted with a series of health conditions that includes severe weakness, drowsiness, recurrent vomiting, not eating, and swelling over body and breathlessness. As the patient couldn't reach earlier to the hospital because of lockdown, his condition had deteriorated and he came to us with very high level of creatinine of 41.49 mg/dl (normal being < 1 mg/dl) that is life threatening. But after the hemodialysis his condition improved. He was



discharged with an instruction of twice per week Hemodialysis. His AVF (Arteriovenous Fistula-Access for permanent dialysis) was constructed as an emergency procedure with urology team. So, we advise every chronic kidney disease patient to have regular checkup with the doctor and those on hemodialysis are advised to continue their dialysis as per the schedule otherwise they can land up in emergency situations in critical condition” said **Dr Deepak Dewan, MD, DM (Nephrology), Director Renal Sciences, Regency Super specialty Hospital.**

“Sometimes rapid changes in the body’s fluid, electrolyte, waste products and mineral balance during treatment may cause other problems with hemodialysis treatments. Muscle cramps and hypotension—a sudden drop in blood pressure—are two common side effects. Hypotension can make a child feel weak, dizzy, or nauseous with headache We can treat these problems with adjustments to the dialysis prescription and the speed at which blood flows through the dialyzer. A parent or a guardian can help prevent the development of many side effects in the child by making sure that the child maintains a proper diet, limits liquid intake, and takes all medications as directed besides sticking to the dialysis schedule. Read about how the right food choices can help a person on hemodialysis improve quality of life & prevent development of complications,” **Dr Dewan added.**

Children with kidney failure, need treatment for complications such as anemia, infection and most importantly growth retardation & bone problems (Renal osteodystrophy). These complications are caused by the inability of the damaged kidneys to produce hormone that helps body to make red blood cells, decreased immunity and imbalance of nutrients, minerals and hormones besides acidosis which prevents normal growth and bone development. These issues can be addressed through holistic treatment of 4 Ds, quality **D**ialysis, proper **D**iet, compliance to **D**rugs and regular **D**octors consultation.

Chronic kidney disease, which can lead to end stage (Stage V) of kidney failure, is widely prevalent in India. In fact, according to the NCBI (The National Center for Biotechnology Information), almost 220,000 people require kidney transplantation in India. Against this, currently, approximately only 7500 kidney transplantations are performed at 250 kidney transplant centers. Regency Superspecialty Hospital, Lucknow being one of the largest tertiary care center in Uttar Pradesh, has been serving numerous patients with kidney failure on a daily basis, including those who require renal transplant.

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About Regency Health

Regency Health is a group of hospitals operating in Uttar Pradesh. It is promoted and was conceptualized by Dr. Atul and Dr. Rashmi Kapoor. It operates in three verticals – Multi Super Specialty, Renal Care, and Oncology. It currently manages 650 beds across 5 facilities in Kanpur and Lucknow employing close to 3000 people and treating 3 lakh patients per year. Regency is funded by FDI investments from IFC World bank Group, Kois Invest (Belgian Entity), and Healthquad. Regency aspires to be the largest regional healthcare player in Uttar Pradesh over the next five years. It aims to own and manage 1500 beds in the next 5 years across 4 cities in Uttar Pradesh.

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