



Facts

- About 200000 Indians develop ESRD each year. A large number of these patients are treated by dialysis at home.
- Home monitoring using IT-based solutions will allow early recognition of problems, reduce morbidity, hospitalisation and death.

Partners:

Postgraduate Institute of Medical Education & Research (PGIMER), Chandigarh

Sanjay Gandhi Postgraduate Institute of Medical Sciences (SGPGI), Lucknow

The George Institute, University of Oxford

Supporters:

Baxter International Health Inc.

Background:

- End-stage renal disease (ESRD) is a major cause of morbidity and mortality worldwide.
- Dialysis is a lifelong therapy for ESRD requiring medical supervision, but repeated hospital visits reduce quality of life and drive costs.

Aims:

- The SUPPORT PD study will use innovative technologies and methodologies to develop an integrated, patient-centred, affordable and sustainable system for proactive management of patients undergoing dialysis.

Methods:

- The study will develop a user-friendly, and functional IT supported system for education and monitoring of patients undergoing dialysis in their homes.
- Information on physiological measures will be collected through different sensors in order to be able to compare the methods and ascertain which methods are most acceptable to patients and providers. The study's primary outcome measure is the usability of the system.



Impact:

- The study will highlight that innovative models of care delivery that make better use of health information technologies and enable the remote capture and processing of data are likely to provide a more sustainable and affordable alternative to the prevailing labour-intensive models of ESRD care.
- Better management of home dialysis could lead to reductions in healthcare utilization and expenditures by reducing unnecessary travels to dialysis centres and avoiding specialist care in hospitals.

Contact

To find out more about the SUPPORT-PD study and its principal investigator Prof. Vivekanand Jha or The George Institute for Global Health, please contact:

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The George Institute For Global Health

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