

## Sustainability applications in healthcare: The case of water management in dialysis

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### Abstract

Chronic kidney disease is acknowledged as a global public health issue affecting about 10% of the population around the globe. More than 3 million patients are estimated to be on maintenance dialysis programs, most of them on hemodialysis. A very water-voracious technic in the time of water scarcity in Morocco.

A public hemodialysis center in Oujda, eastern Morocco, has implemented key strategies to combat water scarcity and ensure uninterrupted hemodialysis procedures during periods of hydric stress. These strategies include expanding water storage, upgrading infrastructure, employing innovative technology for monitoring, collaborating with local water authorities and considering water regeneration possibilities. The rising demand for clean water clashes with its increasing scarcity, presenting a significant hurdle for healthcare, particularly in hemodialysis. Innovative approaches to tackle water scarcity and hemodialysis are necessary, and green dialysis seems to be a new emerging concept with interesting outcomes.

Our presentation focuses on describing the water-saving strategy implemented in a hemodialysis center in our region.

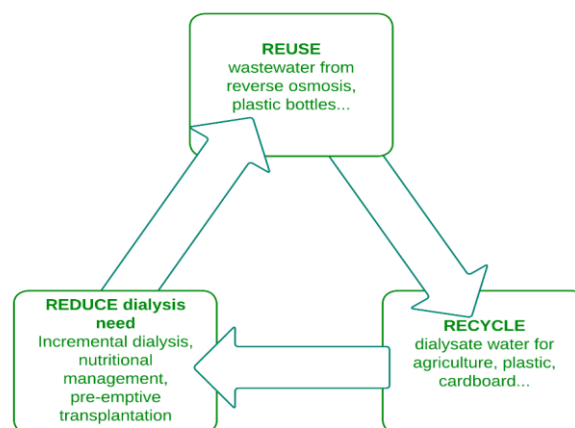


Figure: The water-saving strategy implemented in the hemodialysis center

### Recent Publications

1. **Haddiya I**, Valoti S. Current Knowledge of Beta-Blockers in Chronic Hemodialysis Patients. *Int J Nephrol Renovasc Dis.* 2023 Oct 12;16:223-230.
2. Boukabous S, Meftah H, Frikal K, Bentata Y, **Haddiya I**. Assessment of drug prescription practises in chronic hemodialysis patients: case series. *Ann Med Surg (Lond).* 2023 Sep 4;86(3):1441-1445.
3. Barmoussa O, Bentata Y, **Haddiya I**. Is There Gender Discrimination in Living-Donor Kidney Transplantation? *Saudi J Kidney Dis Transpl.* 2022 Jan-Feb;33(1):168-171.

### Biography



Intissar HADDIYA, MD, PhD is a nephrologist, full Professor of Nephrology at the faculty of medicine and pharmacy – Mohammed Premier University- Oujda, author, lecturer & reviewer for several international indexed medical journals, and president of kidney failure patients support association in Eastern Morocco, She graduated from the faculty of medicine - University Mohammed V- Rabat. During her residency, she also completed an internship period in in both Necker university Hospital (Paris), and Rangueil hospital in Toulouse (France). Furthermore, she holds a PhD in social responsibility in Health, and authored more than fifty scientific articles related to her specialty. She also published a book about social responsibility in health in Africa (Peter Lang ed. 2023).

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