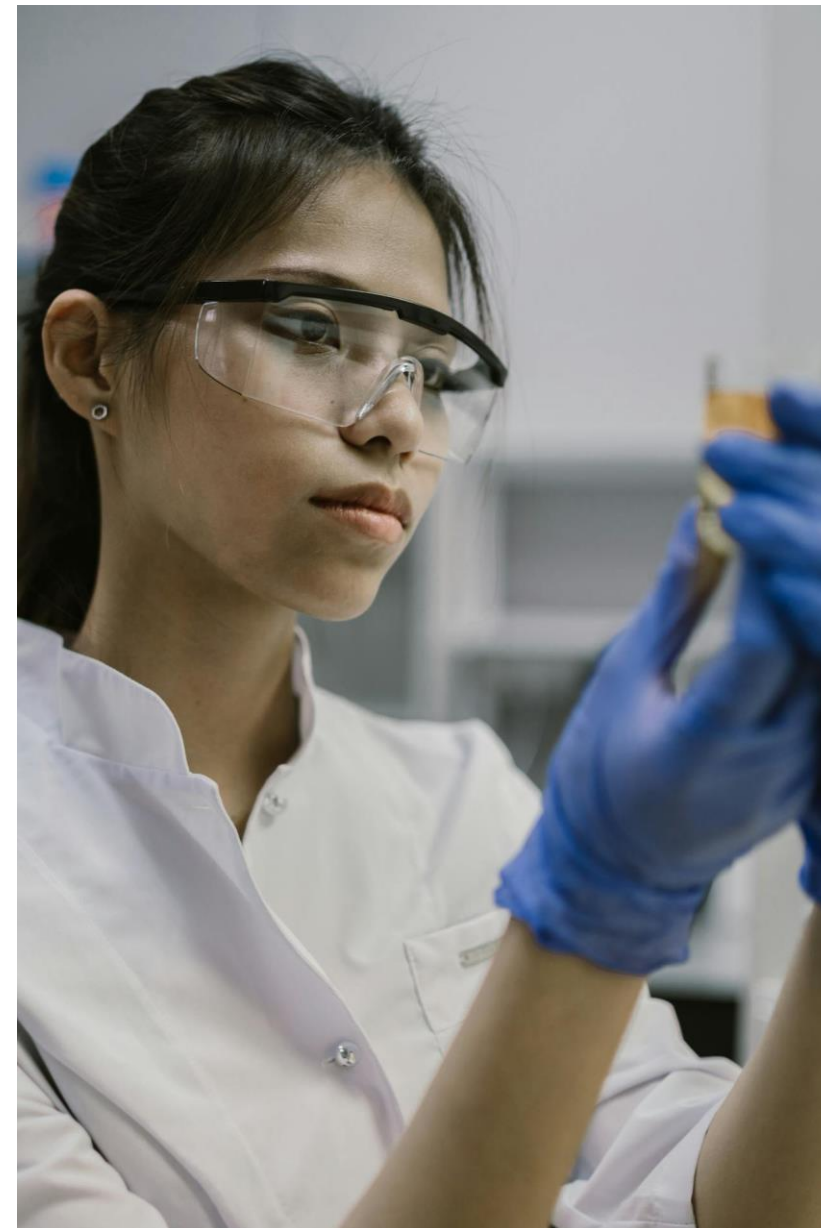




Affordable Quality Care for CKD patients

Quito-Ecuador, +593997331641, ventas@quantum.med.ec
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What we do

Chronic kidney disease (CKD) is a progressive condition that affects 800 million individuals worldwide. In the **USA is estimated that more than 37 million people have CKD** and will eventually need either a transplant or dialysis. Yet, **access to dialysis remains uneven**. Furthermore, **use of more advanced treatments such as hemodiafiltration remain limited**. Quantum Medical has developed an **adaptation to enable hemodiafiltration by retrofitting standard dialysis machines**.



How we do it

80% of dialysis machines around the world are conventional equipment which do not provide access to hemodiafiltration. We reconfigure existing hemodialysis machines to perform hemodiafiltration as it has been shown to provide advantages over conventional hemodialysis, including various clinical advantages and an overall improvement of chronic kidney patient survival.



QUANTUM Conversion system

Without reconfiguring (hardware or software) in one-pump dialysis machines, we place a “**replacement**” filter between the machine and the blood dialysis filter.

This allows the machine to provide fluid substitution to the blood (one of the main characteristics of **hemodialfiltration**), and provide additional filtering which prevents unnecessary contamination and fouling.



QUANTUM Conversion system

Our business model is based on an anual **licensing fee** per machine. The Quantum Conversion System allows independent dialysis clinics **to convert their existing hardware into hemodialfiltration equipment**, without having to buy new machines.



TOTAL ADDRESSABLE MARKET

There are an estimated number of **495 independent dialysis centers in the USA**, with an average of 10 machines per center, which translates into a **15 USD million market for our conversion system.**



Price per conversion USD 3000 licencing fee per year, per machine.

Market expansion: China, India, Colombia, Peru.



QUANTUM Team

Who we are:

Dr. Irene Torres-CEO

A well known researcher with great experience in health and education studies. (<https://orcid.org/0000-0002-0516-3090>)



Bernardo Cañizares-COO

A social entrepreneur, who has managed projects and institutions in Ecuador, Colombia, Denmark and the Netherlands.



QUANTUM Conversion system

Where we are at

The Quantum Conversion System is a patent-pending technology, registered in The Intellectual Property National Service in Ecuador, awaiting for the patentability examination. An in-vitro validation has been conducted by the Center for Bioengineering at the University of Waterloo-Canada with promising results.

We have received non-dilutive investments from National Secretary of Higher Education/Republic of Ecuador, and the Center for Bioengineering University of Waterloo-Canada. We are looking for a 500,000 USD capital investments that will allow us to carry out clinical trials for FDA approval.



QUANTUM Conversion system

Quantum Medical SAS

- We have our production plant in Quito-Ecuador and incorporated Company in Ontario, Canada.
- We have received funding from National Secretary of Higher Education/Republic of Ecuador
- We have passed the proof of concept, and have health permits in Ecuador. We are working for FDA approval.
- We are planning on participating in international congresses, and direct sales with dialysis centers in target markets.



More info

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