"Ich hab' noch einen Koffer in Berlin" **NextKidney: Portable Hemodialysis**





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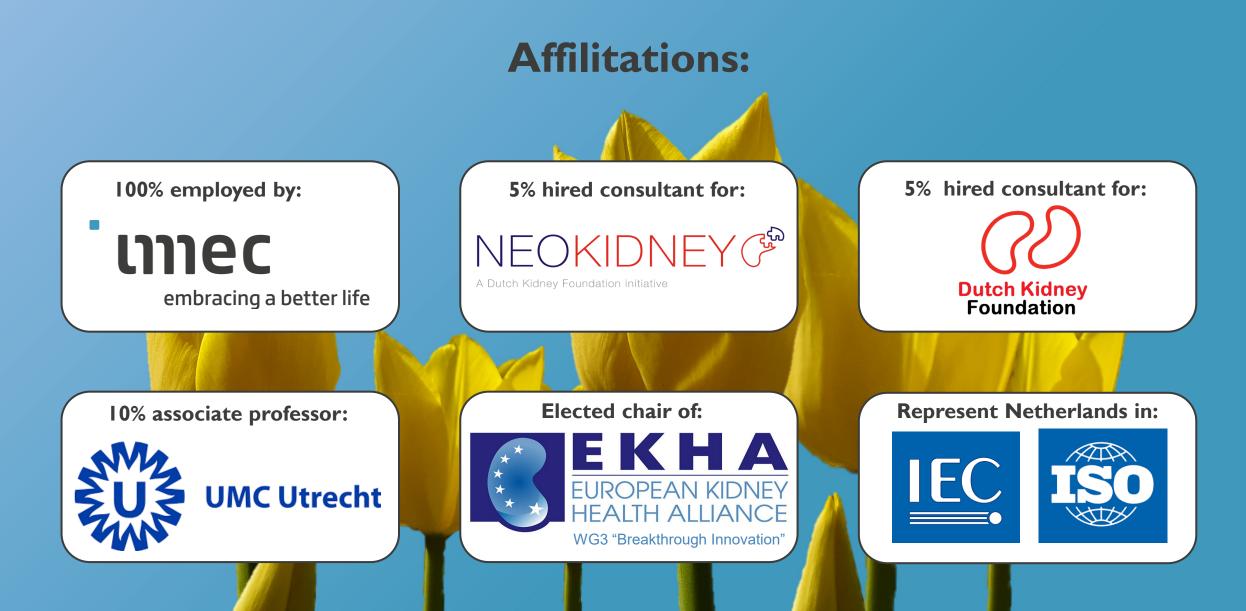
Potential conflicts of interest declaration

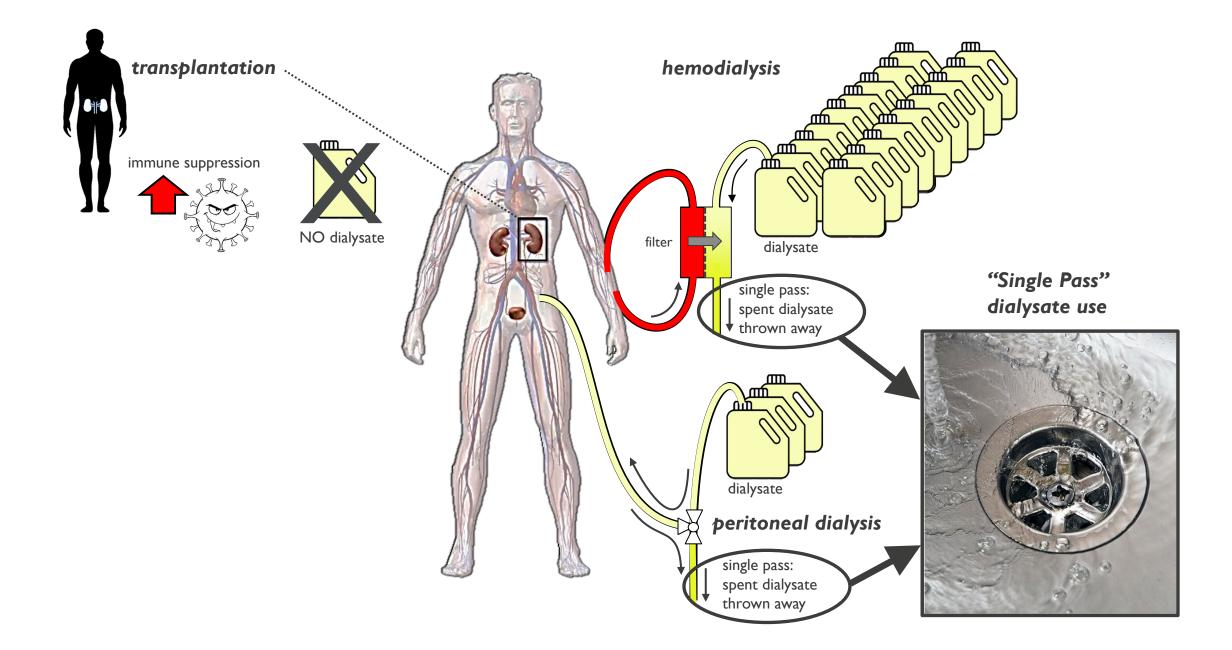
The content of the following speech is the result of efforts to achieve the maximum degree of impartiality and independence.

As a speaker, I wish to point out that there are **personal connections** to companies whose products are of interest within the context of the following speech. The companies concerned and connections are listed below:

	Connections (Fee for activities associated with lecturing and in an advisory capacity expert reports and work as an author; fee for preparing training programmes; reimbursement for travel and accommodation costs; reimbursement of participation fees regarding training courses; patents; money from licences and royalties; fee for undertaking commissioned studies; receipt of research funds, etc.)
NextKidney	Consultancy fee for Technological & Regulatory issues

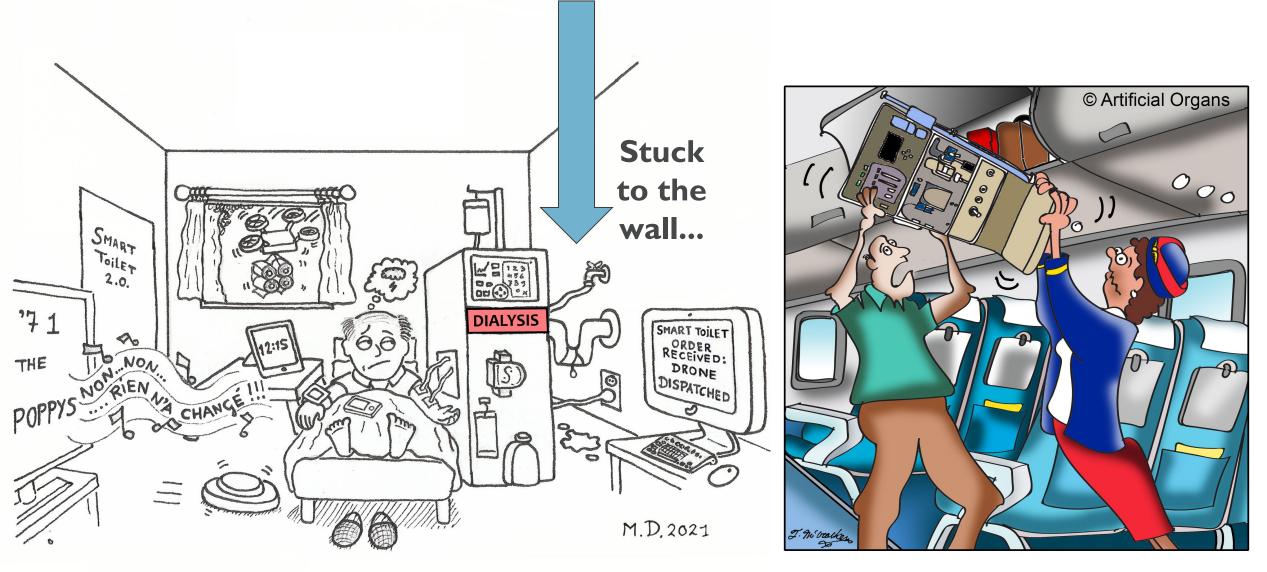
Fokko Wieringa, PhD, Medical Technologist (no medical doctor)



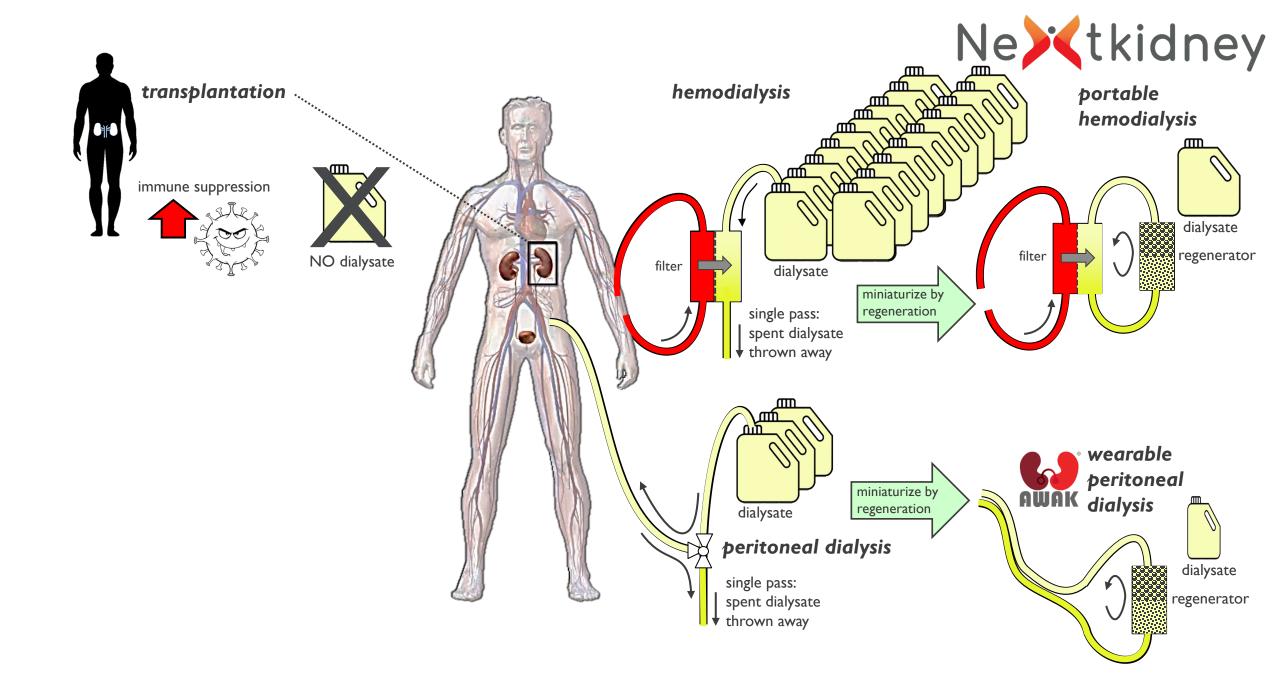




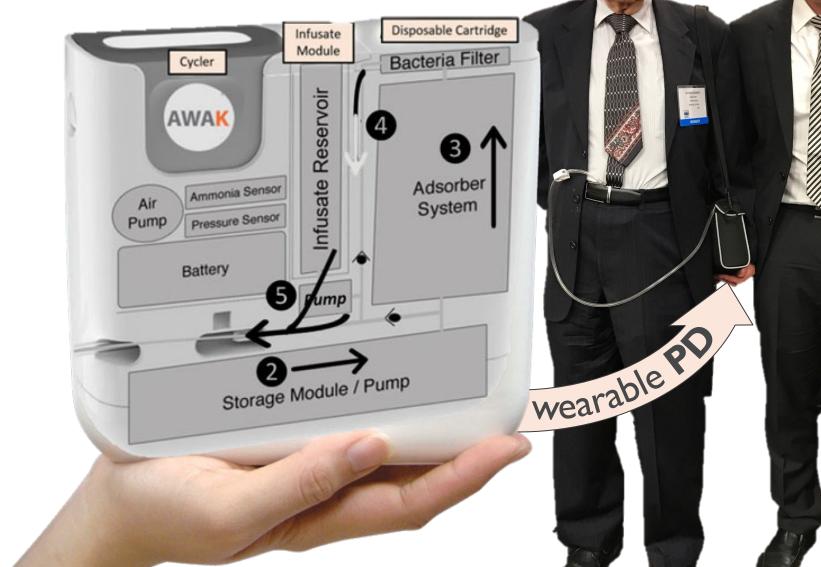
Single Pass machines dump dialysate: limits miniaturization



UNIEC Holst Centre

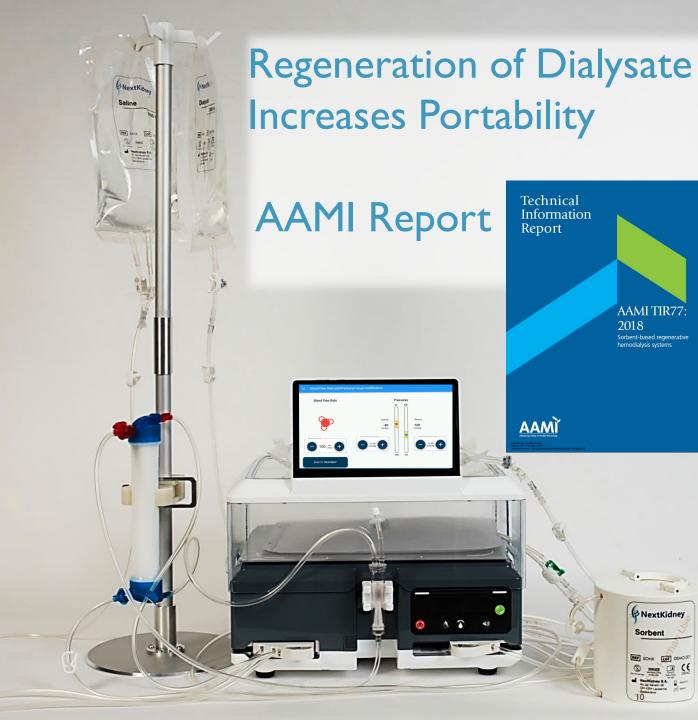


Martin Roberts [†] Sorbent for AWAK PD



Christian Blüchel Ne tkidney Sorbent for Portable HD







- Suited for various HD regimes: frequent short daily to nocturnal
- Dialysate: 5L for short daily
- Double Isolated (110/220V) Full Cardiac Floating (no earth)
- No electrician or plumber needed to modify the home
- **Telecommunication & monitoring**
- Efficiency comparable with existing HD machines
- Fits in carry-on trolley!

AAMI TIR77: 2018

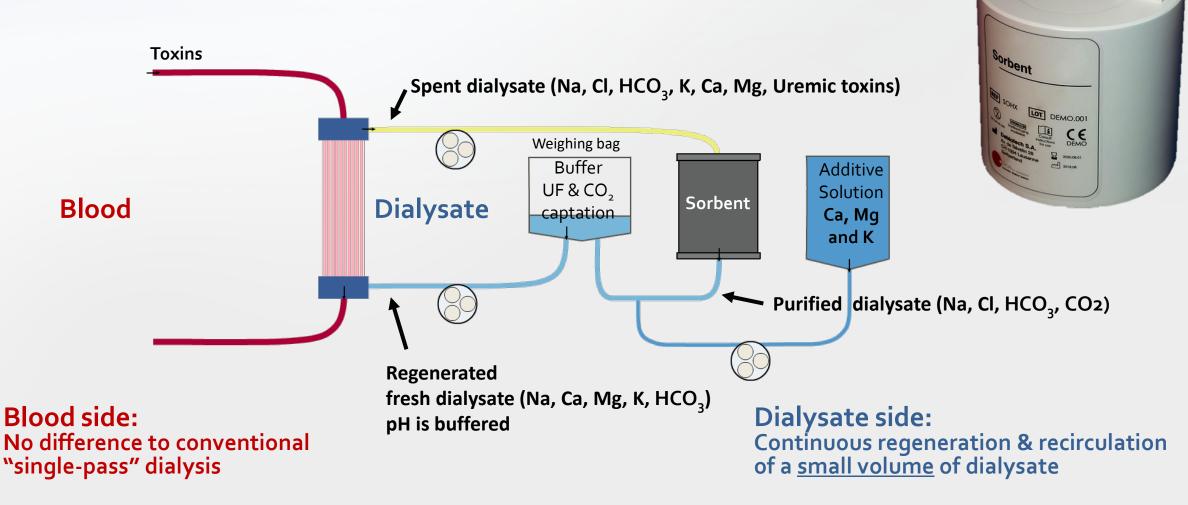
orbent-based regener

NextKidney Sorbent

Sorbent is the secret...

j.augustin@nextkidney.com

Sorbent dialysis: Principle

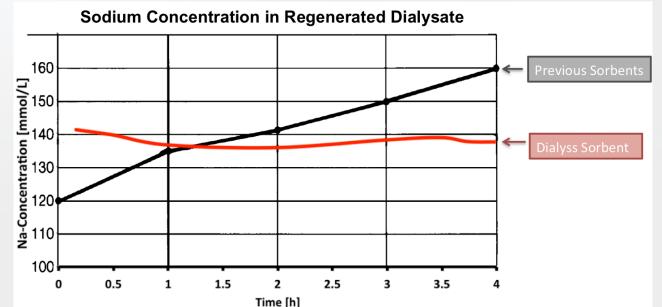


j.augustin@nextkidney.com

Unique New Sorbent System

Sodium-Neutral Sorbent Technology

- Previous sorbent systems showed undesired Na⁺ increase
- Dialyss sorbent is the first sorbent to overcome this historic limitation, thanks to unique ion exchange properties



Dialyss NeXtkidney

• This makes it the first **regenerative** hemodialysis system **complying to** the strict requirements of today's industry standard for HD devices, **IEC60601-2-16 + AAMI TIR77**



National University Hospital Singapore

Clinical investigators Sorbent Cartridges ← Dr.Titus Lau & Dr. Sabrina Haroon Wong Peixin →



NUH Singapore Sorbent test with patients

- Blood circuit: normal HD machine
- Dialysate circuit: supplied with Sorbent Regenerated Dialysate





University Hospital Caen (France)

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Illin

← Dr. Maxence Ficheux



Ocka III

University Medical Centre Utrecht (Netherlands) ← Dr. Karin Gerritsen

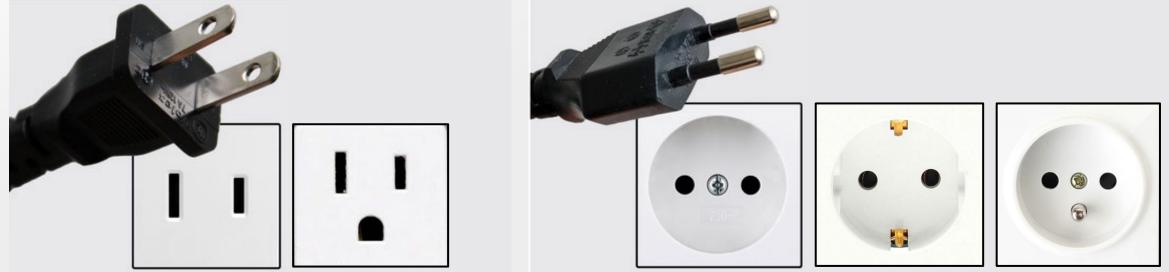


No Plumber or Electrician needed to modify home

Double isolated: Does not rely on grounding for safety

• Directly meets IEC60601-1-11 home care devices standard. Fully Cardiac Floating!





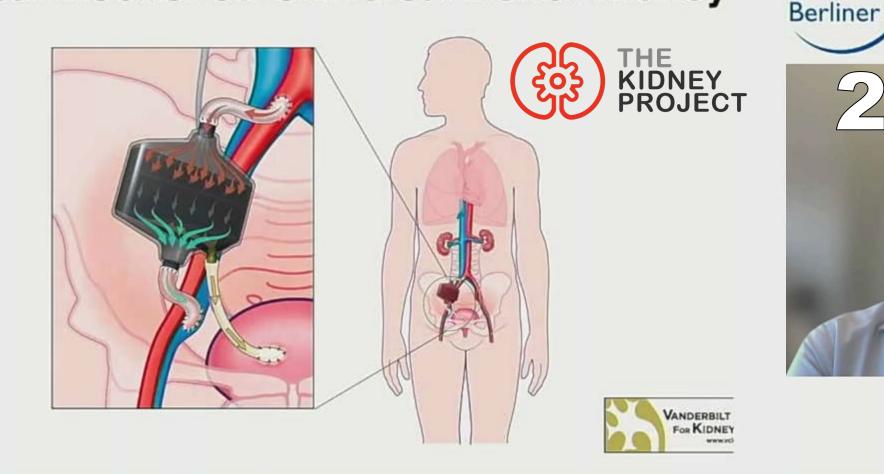
Always fits in US & Japan

Always fits throughout European Union

NextKidney Sorbent Technology also offers perspective on Implantable Artificial Kidney

EKHA

Medical Moonshot: Universal Donor Kidney



DialyseSeminar



William H. FISSELL (Nashville, USA)

Current Status in Wearable and Implantable Artificial Kidneys

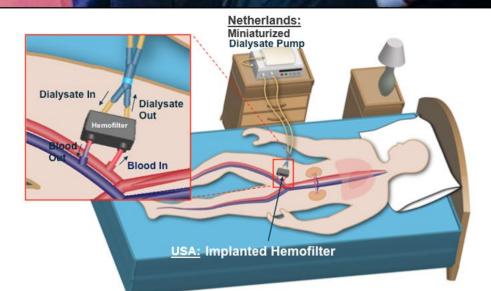
Dutch Queen visits "Kidney Project" San Francisco

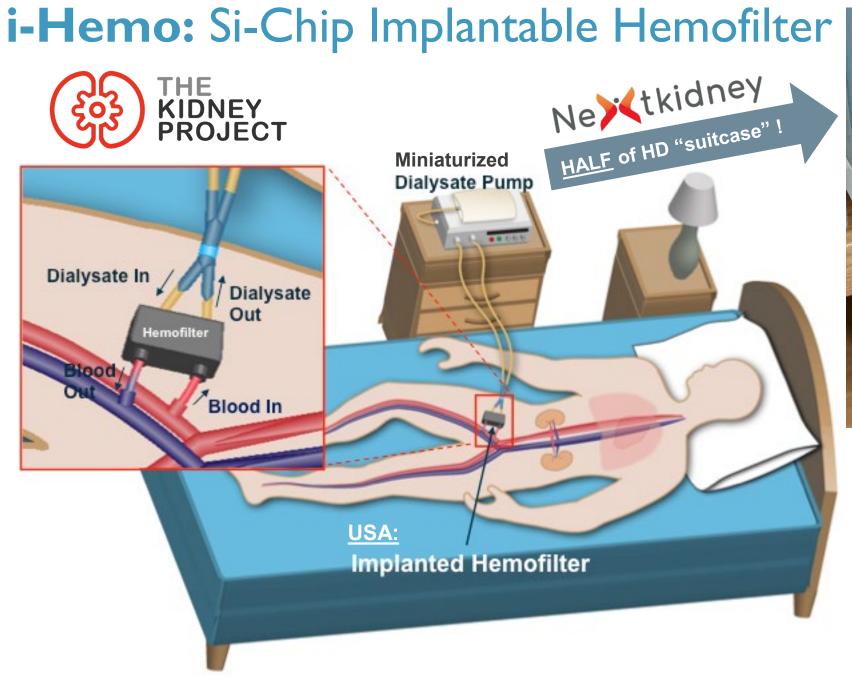




I would like to work with NeXtkidney

Silicon Chip Dialysis Filter









Proposal submitted to

INNOVATION ACCELERATOR

