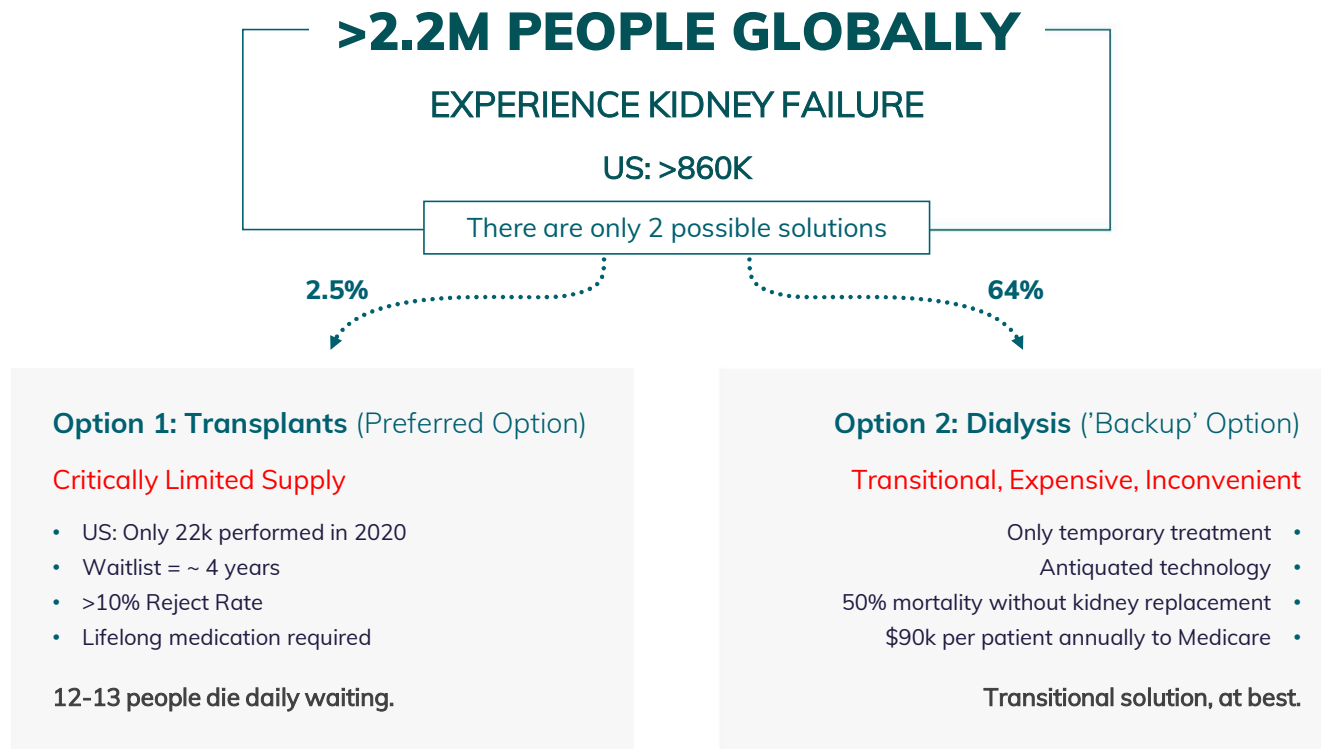




The World's FIRST
Artificial, Implantable
Kidney



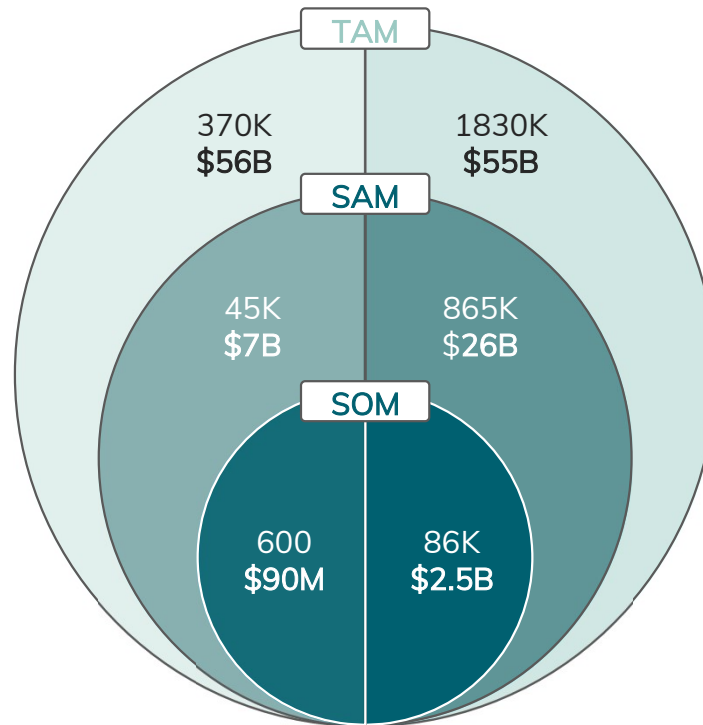
Scope of the Problem



The remaining ~33% of kidney patients either haven't qualified for treatment yet,
or in other countries may never receive it.



Kidney Failure Market Size



Implantable Market

Our market reach grows geometrically based on the number of specialists we can train, who will then train others.

Wearable and Tabletop Device Market

Our immediate customers are patients whose lives are most severely impacted and impaired by their kidney failure (End Stage Renal Failure).

Market size will increase 5% / annum due to aging population, increasing incidence of diabetes and hypertension.



Core Technology



Advanced Nanotube filtration technology



Novel chemical separation method



More efficient than standard dialysis



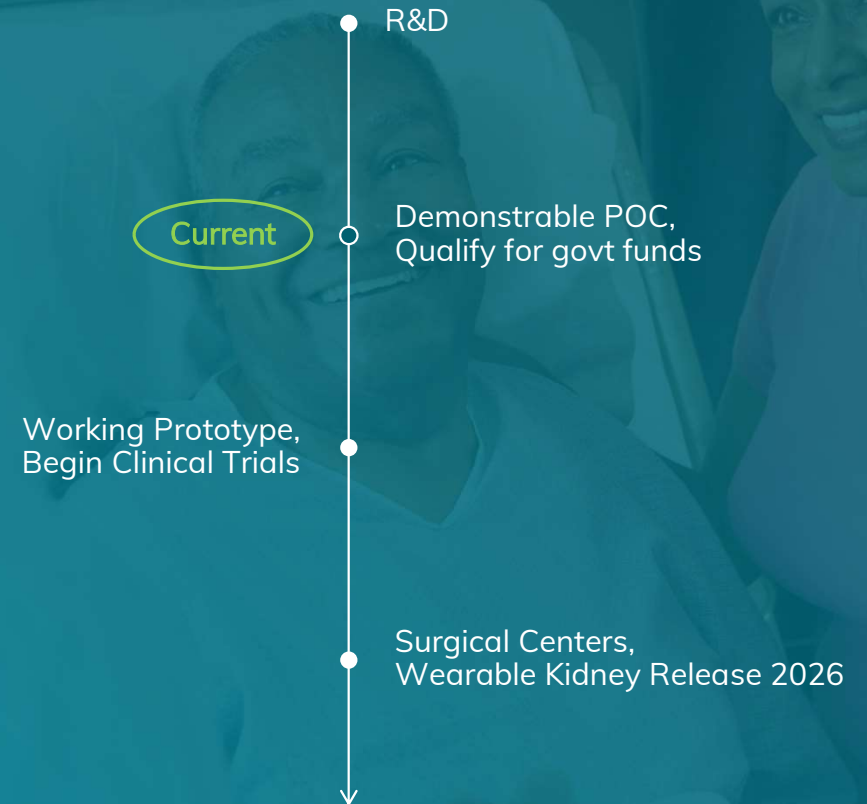
Patented Technology



Highly Scalable



Development Timeline



One Core Technology Solving Both Problems

1st Artificial Implantable Kidney

-  Off the shelf and ready immediately
-  No wait list (eliminates 3-5 year wait)
-  No dialysis needed

Wearable and Tabletop Kidneys for Home or Hospital Dialysis

-  Reduces patient misery
-  Used at home or work
-  Reduces dialysis cost: industry and patient
-  Facilitates Use in Remote Areas

All product versions vastly improve quality of life and liveability, and dramatically reduce costs. WE SAVE LIVES!



Competitive Advantage

	Artificial Implantable Kidney	Wearable kidney	Desktop kidney
Capacity	Unlimited	Unlimited	Unlimited
Efficacy	Higher efficacy + eliminates rejection	Increases survivability + liveability	Increases survivability + liveability
Cost Savings	Large cost savings: \$443k → \$200k	Large cost savings: \$90k / year → \$50k 1x	Large cost savings: \$90k / year → \$50k 1x
Time Savings	Zero waitlist	Done at home and/or on-the-go; Zero hospital visits Treatment time 240 mins → 30-90 mins	Used in hospital or home Treatment time 240 mins → 30-90 mins

**NephFlo owns Patents across both its Implantable + External Products.
NephFlo's product suite dramatically reduces TCO, and,
Transforms mostly Inpatient Care to Outpatient/Home Care**



Competitive Landscape

	Qidni	Kidney Project	US Kidney	Dialysis	Transplant	Xenograft	 NephFlo
Implantable	X	X	X	X	✓	✓	✓
Wearable	X	X	X	✓	X	X	✓
Non Biological	✓	X	✓	X	X	X	✓
Cost Saving	X	X	X	X	X	X	✓
No Needed Dialysis	✓	✓	✓	X	✓	✓	✓
No Needed Reoperation	X	X	X	X	X	X	✓
Customizable Ion Selection	X	X	X	X	X	X	✓
Ideal for CHF patients	X	X	X	X	X	X	✓



Business Model

Main Revenue Stream

\$200k

Implantable Kidneys



\$50k

Wearable or
Tabletop Kidney

Additional Revenue Streams



Device Sales

Implantable,
Wearable, and
Desktop Kidneys



Disposables

Disposable waste
receptacles for external
Kidneys



Surgery Centers

Perform Implantation
surgeries, train transplant
specialists and nurses.



Reimbursement (HMOs)

Device, Implantation,
Follow-up care



Data Monetization

Treatment results
and other valuable
data

Go-To Market

Perfect procedure

Train & orient specialists

Negotiate Reimbursement

Get FDA approvals

- a. Release Wearable
- b. Release Implantable



The Team



Saul Orbach
CEO

Serial Entrepreneur, VC,
Business Education, Advisor,
Start-ups and successful exits



Vladimir Rassushin
CTO

Nanotech Product Developer,
Technology and Science Project
Management, Entrepreneur



Dr. Stuart Greenstein
Chief Medical Officer

Kidney Transplant
Specialist, Westchester
Medical Center, NY



Dr. Noa Lachman-Senesh
R&D Team lead

Department of Materials Science
and Engineering

The Advisory Board

Medical

Dr. Samuel Saltzberg

Kidney Care, Transplant
Care, Rush University

Medical

Dr. Karl Skorecki

Leading Nephrologist,
Kidney Care Specialist,
Rambam Hospital

Carbon Nanotubes

Prof. Daniel Nessim

Bar Ilan University,
Laboratory for the synthesis
of innovative nanostructures.

Reimbursement

Andrew Thorrens

Imprimis Rx

Medical Device
Industry Advisor

Alan Kholos

BD Biosciences

Regulatory

Janice Hogan

Hogan Lovells

US Clinical Trial
Coordinator

Tina Kholos



Investment Opportunity

Seed Round

Amount: \$2.6M

Time: 18 Months

Purpose/Use

- IP Development
- Key Personnel
- Prototype Development

Outcome/ Quantifiable Results

- Working Prototype
- Clinical Trials for Wearable kidney

A Round

Amount: \$5M

Time: 24 Months

Purpose/Use

- 3 path productization
- Regulatory preparation
- Develop Specialist training program
- Plan surgical/medical centers

Outcome/ Quantifiable Results

- Clinical Trials for implantable Kidney
- 1st Medical Research Center
- Initial wearable device sales

Your capital helps us further NephFlo's Mission to save Millions of Lives!

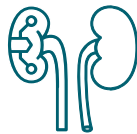


Summary

CKD is a death sentence for most people who get it!



NephFlo is disrupting the treatment landscape for kidney failure.



NephFlo offers the first artificial implantable kidney and both wearable and tabletop artificial kidneys.



Current transplant wait list is ~4 years. 12-13 people die every day in the US waiting!



NephFlo expects to *market* its wearable kidney within 3 years.

With NephFlo, no one has to die waiting for a transplant!





The World's FIRST Artificial, Implantable Kidney

Contact Us

Saul Orbach

+1 917 795 2582; +972-54-6273213

saulo@nephflo.com

www.nephflo.com

