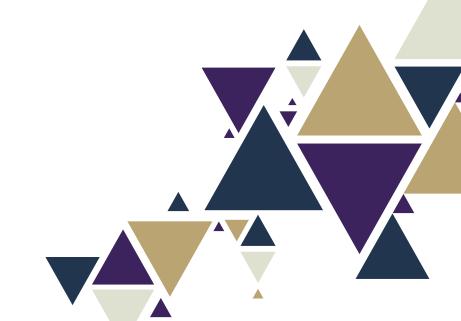
aero therapeutics

Every breath matters.





Aero Therapeutics

Leadership



Jamison Langguth MPH, MSED CEO & Co-founder









Alex Woods MD, MPH, BSE VP Business & Clinical Dev.





Scientific and Clinical Advisory



Anjelica Gonzalez PhD Co-founder







Sten Vermund MD, PhD, DRPH









Wally Carlo MD



Team

Regulatory Advisory



Brian Harvey MD, PhD







Jun Chen MBA **Business Development**



THOMSON REUTERS



Teresa Saraswati **Business Development**



McKinsey & Company



Vatsal Patel M.Sc Engineering Team Lead





Nathanial Boyd Preprocessing Intern



Respiratory Distress Treatment Options in the Neonatal Setting



Full Mechanical Ventilator



CPAP



Our Intended Device

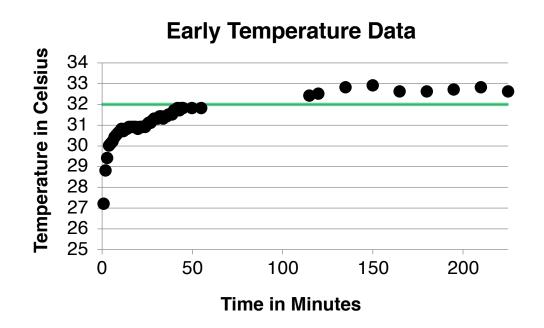
Intellectual Property:

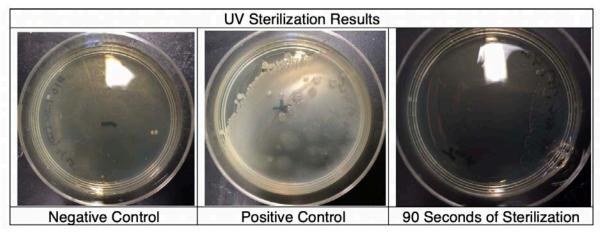
PORTABLE AND COMPACT SYSTEM FOR DELIVERY OF HUMIDIFIED HIGH FLOW NASAL CANNULA (HHFNC) THERAPY IN NEONATES AND INFANTS" Docket Number PCT Filed 23Aug2019: 047162-5227-P3US

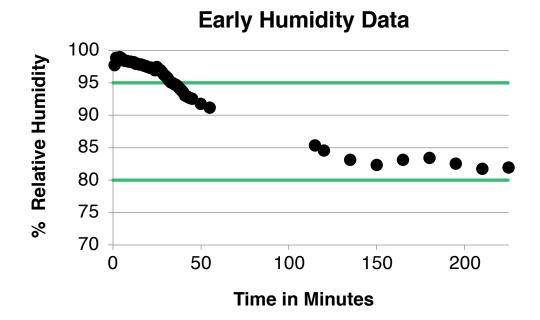


Earlier Design Testing

- Data collected over N=37 tests of an earlier prototype signal that our device is comparable to commercially available high-flow devices in many aspects: it can warm, humidify, oxygenate and selfsterilize.
- Upgraded design since these tests were run.







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Accelerators, Awards, Funding & Partners

Offered San Diego JLABS Slot

Johnson Johnson

INNOVATION

JLABS







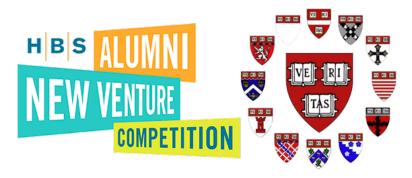




Yale Institute for Global Health



HARVARD | BUSINESS | SCHOOL
Alumni Angels Association





Relevant Market Data: Pre-pandemic



There is a sizable market for this kind of technology that is growing.



Competition

	Improvised Care	LMIC STANDARD Bubble CPAP Pumani	HIC STANDARD Humidified Nasal Cannulas: Vapotherm HVNI	PremieBreathe	
Humidified	X	X	✓	✓	
Warmed	X	X	✓	~	
Auto H2O Sterilization	X	X	X	✓	
Mixes O2	X	X	✓	~	
Price (USD)	Price (USD) Low		>\$1,500- \$5,000	\$500 (COGS~\$300)	



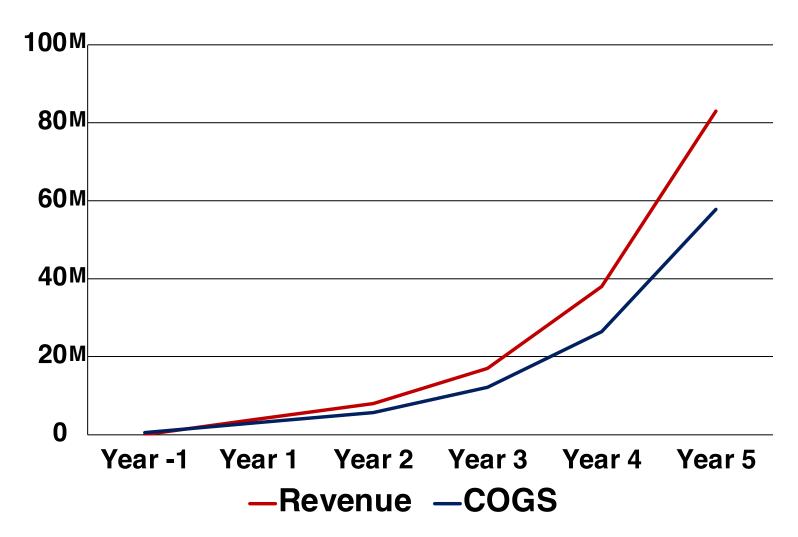
Deploying Our Self-Sterilizing Respirator Beachhead Market: Ethiopia and India

>3.5 million

premature births in our beachhead market every year.

20,200 Hospitals

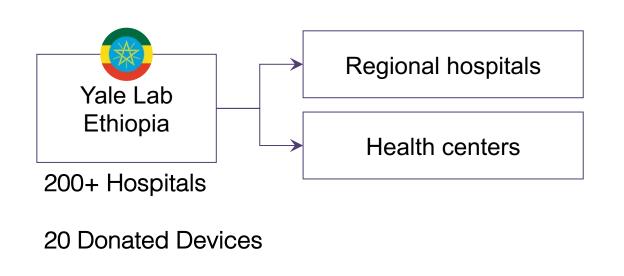
to sell 5+ respirators to.

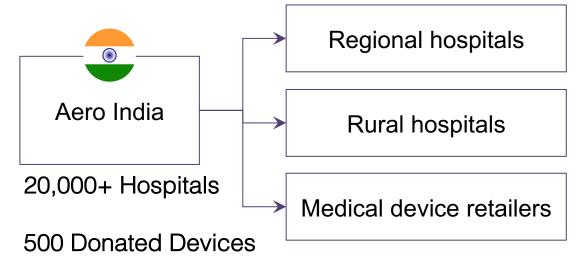




LMIC: \$50M in Revenue by Year 5

	Year -1	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Revenue (USD Million)	0	4	8	17	38	83	181
COGS (USD Million)	0.54	3.12	5.66	12.19	26.47	57.80	126.77
Devices Sold		892	1,618	3,483	7,562	16,515	36,219
Cume. Devices Sold		892	2,511	5,102	11,045	24,077	52,734
Devices Donated	520						





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Blavatnik Aims – Apply for 510k Approval

- Per FDA, we do NOT need to run in human clinical trials for regulatory approval.
- Only bench testing is needed.

AIM 1 – Evaluate Upgraded Design

- 1) assess the efficiency of the new reservoir
- 2) assess the reconfigured airflow path, and
- assess the new air pump.

Duration: Up to two months.

Cost: \$50,000

Agreements in place to outsource to the following:

Cadence / Synectic, & Tangible Design.

Criteria for acceptance: The design will prevent bacteria from being transferred into the humidified air, the design will mix up to 97% O2 in output air mixture, and the design will be able to deliver 10 L/min for 300 minutes.

AIM 2 – Establish Performance & Safety Data

- 1) efficiency of humidification & temperature control
- 2) environmental impact (rainout testing), and
- 3) effectiveness of UVC components preventing pathogenic accumulation.

Duration: Up to two months.

Cost: \$100,000

Agreements in place to outsource to the following:

Ximedica & Tangible Design.

Criteria for acceptance: the design will humidify water up to 95% within 5 mins, output air temperatures will remain stable between 30-34 deg C, condensation will be prevented for environmental temperatures as low as 20 deg C, and UV-C components will eliminate bacteria from water solution within 90 seconds.



2021 Blavatnik Execution Timeline



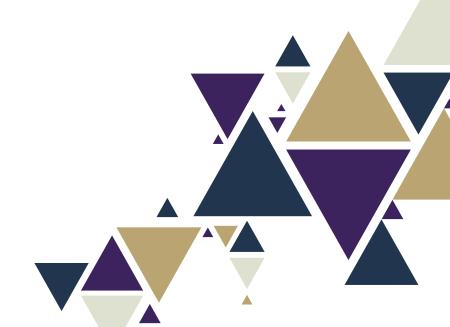
Preparation

AIM 1

AIM 2

Blavatnik Summary & Regulatory Application

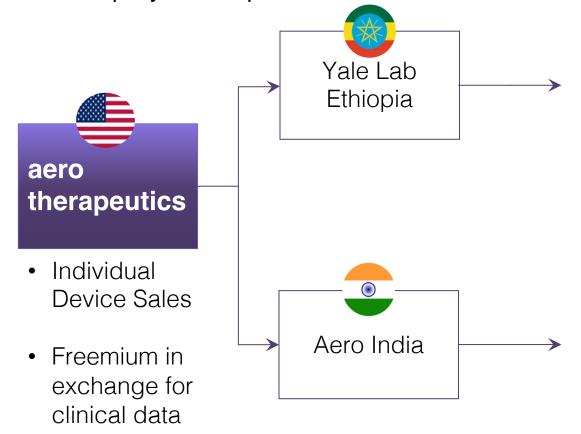
www.breatheaero.com





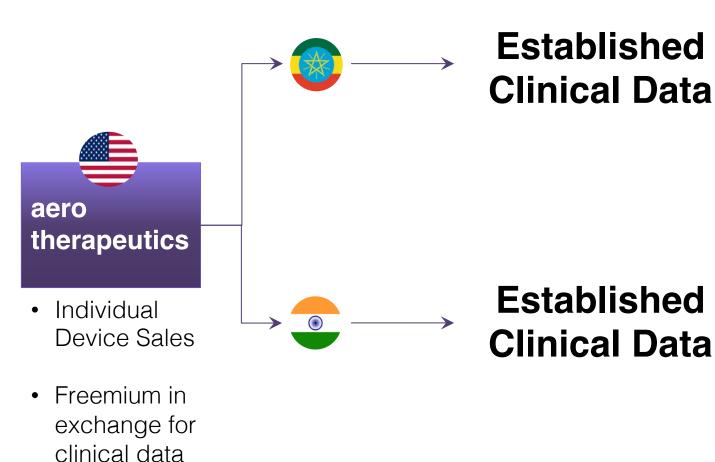
Beachhead Market Entry

- 1. Target overlooked segments of the global market: Ethiopia and India are neglected segments.
- 2. Gain a foothold: sell quality at a lower price than competitors.
- 3. Rapidly move up-market.





High Income Country Expansion



US/EU Expansion

Higher pricing = profitability

New revenue sources in HIC:

- 1. Direct / indirect customers
- 2. Consumables
- 3. Outcomes-based pricing
- 4. Licensing
- 5. Servicing agreements
- 6. Other indications

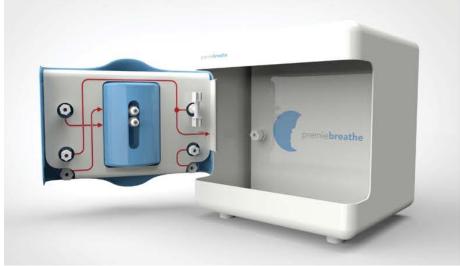


Earlier Generationsof PremieBreathe



Ver. 3.0





Ver. 4.0