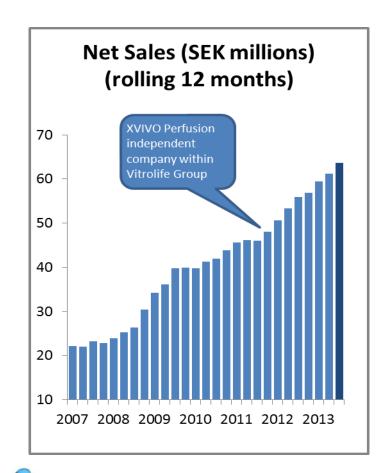


XVIVO Perfusion

- Founded in 1998
- Profitable since 2002
- Experienced organization with Dr. Joel Cooper* as Medical Advisor
- Perfadex®
 → 90% market share in cold lung perfusion
- STEEN Solution™ and XPS™
 → Patented solution and machine for warm organ perfusion

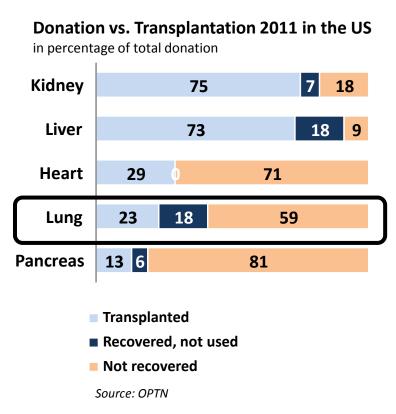


* First surgeon in the world to perform a lung transplant



The Problem - shortage of lungs

- COPD is the 4th leading cause for death in the US ~120,000 deaths per year*
- Few donated lungs
- Only ~20% of donated lungs are used
- → High mortality on the waiting list ~20%





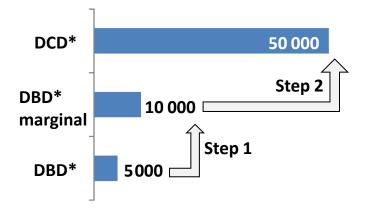


The Solution - Reconditioning of lungs with STEEN Solution™ and XPS™

→ Step 1 Recondition marginal lungs for transplantation (x2)

→ <u>Step 2</u> Recondition DCD* lungs (x10)

Number of possible lung transplants per donor group today



^{*} DBD = Donation after Brain Death

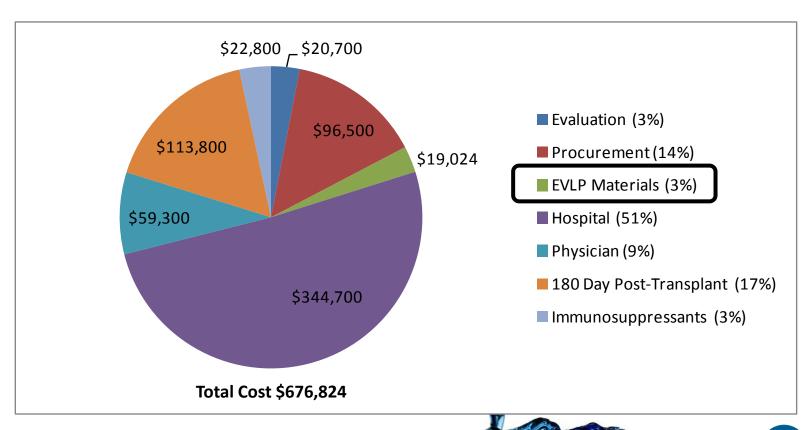
DCD = Donation after Circulatory (or Cardiac) Death





The Solution is cost effective

 To increase the amount of lungs for transplantation 10x will only cost 3% extra per transplant



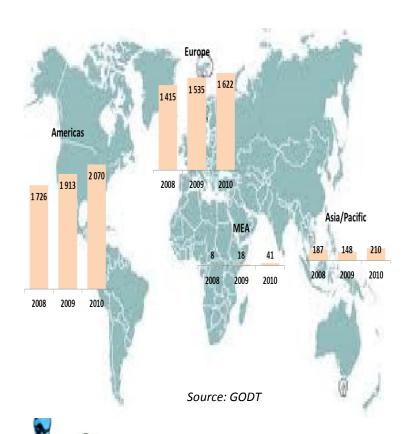


The lung transplant market today

- ~5000 lung transplants 2013
- Growth rate ~10% in no. of LTx
- Cold perfusion with Perfadex® is Gold standard (90% market share)
- STEEN Solution™ approved in all major markets outside the US

The Lung transplant market 2008-2010

in number of lung transplants per year





The lung transplant market tomorrow

- STEEN Solution™ and XPS™

	<u>Today</u>	Next step (step 1)	The future (step2)
Gold standard	Perfadex®	STEEN Solution™ and XPS™	STEEN Solution™ and XPS™
Possible usage of lungs	20% of DBD* lungs	40% of DBD* lungs	40% of DBD* and DCD* lungs
Market in no. of lung transplants	5'000	10'000	50'000
Sales per lung transplant	10'000 SEK	130'000 SEK	130'000 SEK
Market potential lungs	50 MSEK	>1'000 MSEK	>5'000 MSEK

^{*} DBD = Donation after Brain Death
DCD = Donation after Circulatory (or Cardiac) Death



Warm Perfusion with STEEN Solution™



STEEN Solution™ and XPS™ in the news













THE GLOBE AND MAIL *

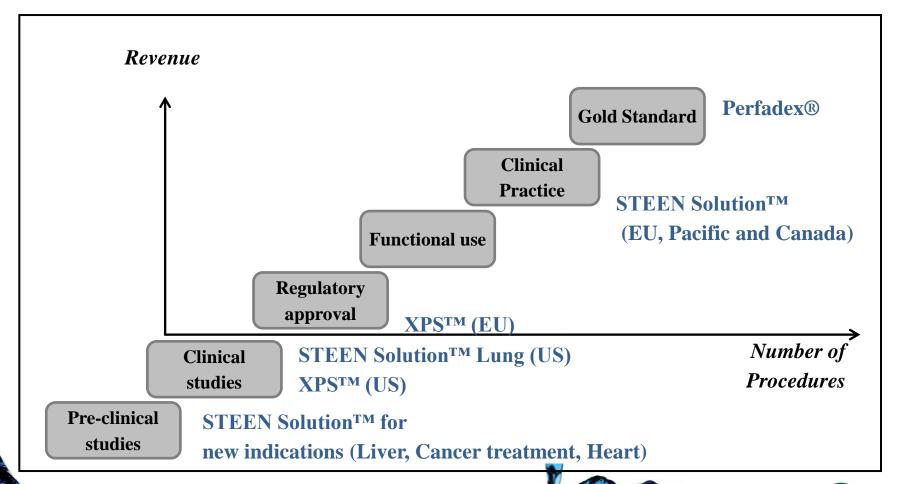
THE WALL STREET JOURNAL.







Market penetration





Focus next 12 months in mature markets

- USA: FDA approval process STEEN Solution[™] and XPS[™]
 - Advisory panel meeting to be held in quarter 1, 2014
 - Before FDA approval Accumulate clinical experience
 - After FDA approval Launch STEEN Solution™ and XPS™
- □ Europe, Canada and Pacific: Establishing the STEEN Solution™ method
 - XPS™ launch in Europe
 - Spread the STEEN Solution™ method to new centers
 - Increased use of STEEN Solution™ method at established centers





Focus next 12 months to build new markets

- □ Geographical Build Asian market with STEEN Solution™
 - Asian market small today but is estimated to grow faster than the rest of the world
 - Chinese market will open up in 2014 due to new resolution to stop using organs from executed prisoners
 - First EVLP with STEEN Solution™ in Asia in October 2013
- □ Indication STEEN Solution™ method for other organs.
 - Go to clinical phase in liver perfusion
- □ Application STEEN Solution™ method for cancer patients.
 - Pre-clinical stage: Use STEEN Solution™ as a drug delivery system for cancer drugs



