

Spray-on burn wound for rapid healing

Saiprasad Poyarekar

Pacify Medical Technologies Pvt. Ltd. saiprasad@pacifymedical.com | +91-95519 99642 www.pacifymedical.com

Burn wound becoming more common

Infection is major reason of death and disabilities

According to WHO, More than 10,00,000 Burn injured each year







7 out of 10 deaths in burn victims are due to infection

Lack of skin increases the risk of burn wound infection

Grafting is Painful, Expensive and Time Consuming

Inadequate Options for Burn Patients







Major Shortcomings



Large donor area required



Pain during and post procedure



Extended hospitalization and costs



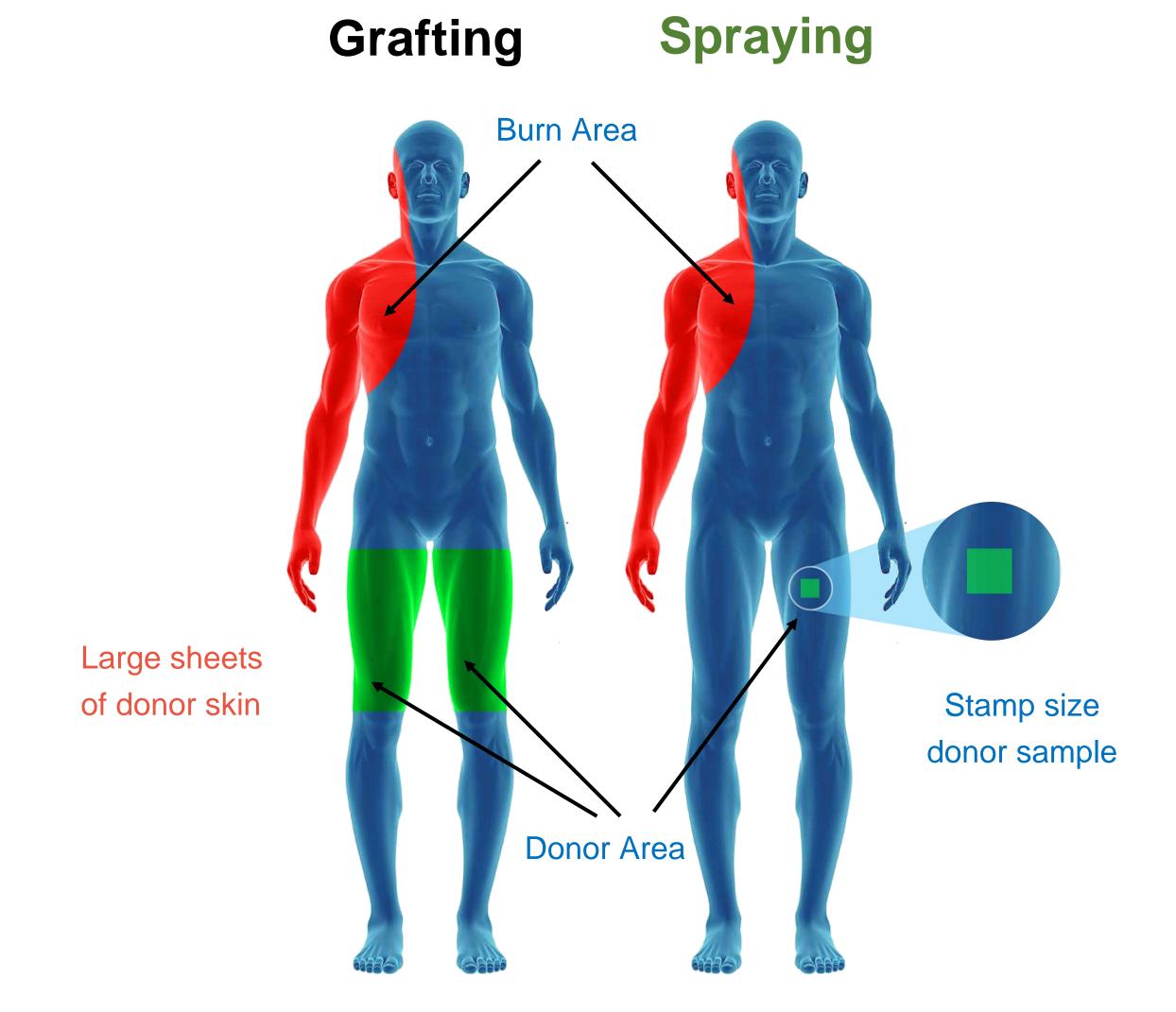
Multiple times surgery



Risk of infection.

Our Solution

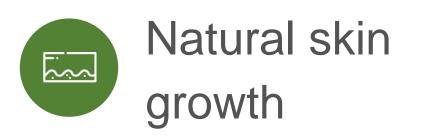
The Skin Spraying Device



Skin

Skin







Reduces hospitalisation cost

Comparison

Advantages over the competition



Feature	Mesh grafting devices	Skin cell spray device	Proposed skin spray gun
Procedure time	> 2 hour	1.5 hour	< 20 Min
Burn Area (Total body surface area TBSA)	< 50%	> 50%	> 50%
Expansion ratio	1:9	1:60	1:30
Skill required	Medium	High	Low
Healing time	40 days	20 days	30 days
Selling Price	> ₹ 3 lac	> ₹10 lac	< ₹ 50 k

Addressable burn market

Number of burn patient

700,000
Burn Patients
Treated Annually

in the India



400,000

In-patient Burn Treatments



75%

In-patient
Burns are Treated
in Burn Centers



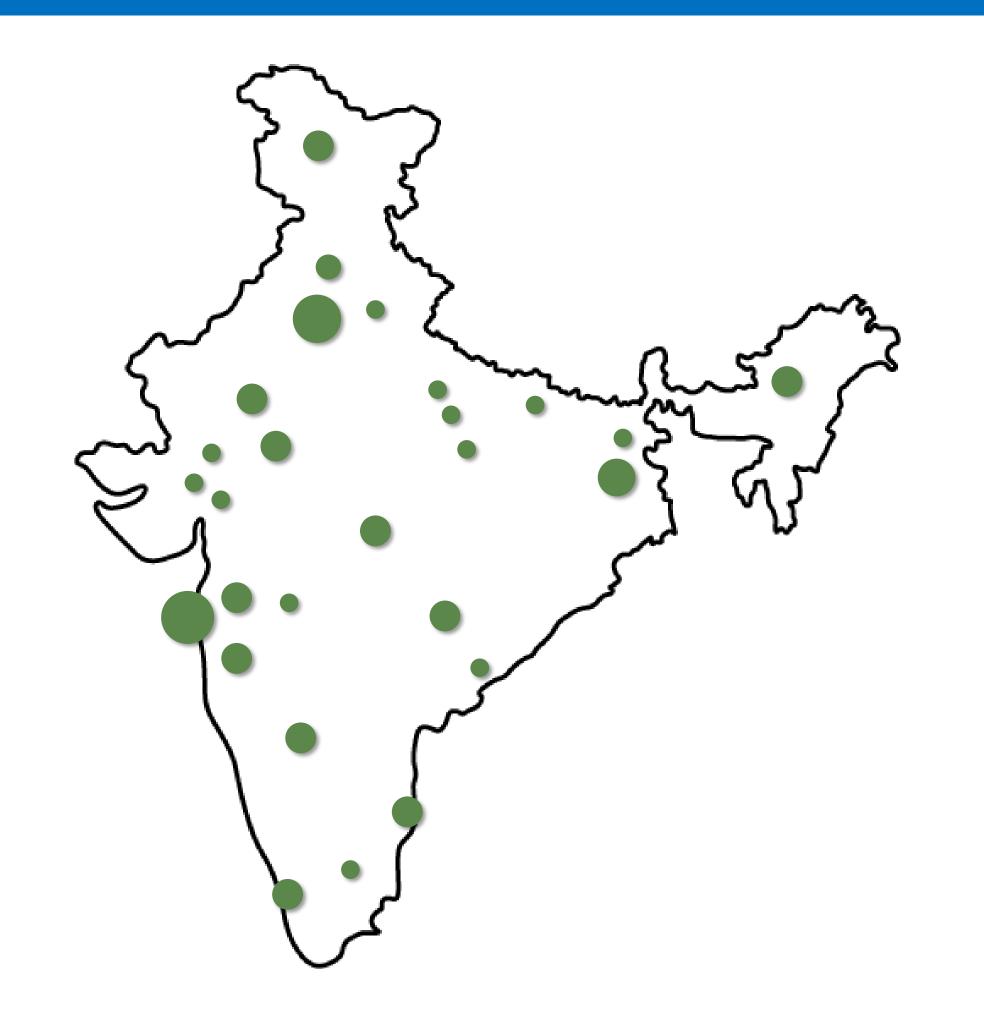
150,000

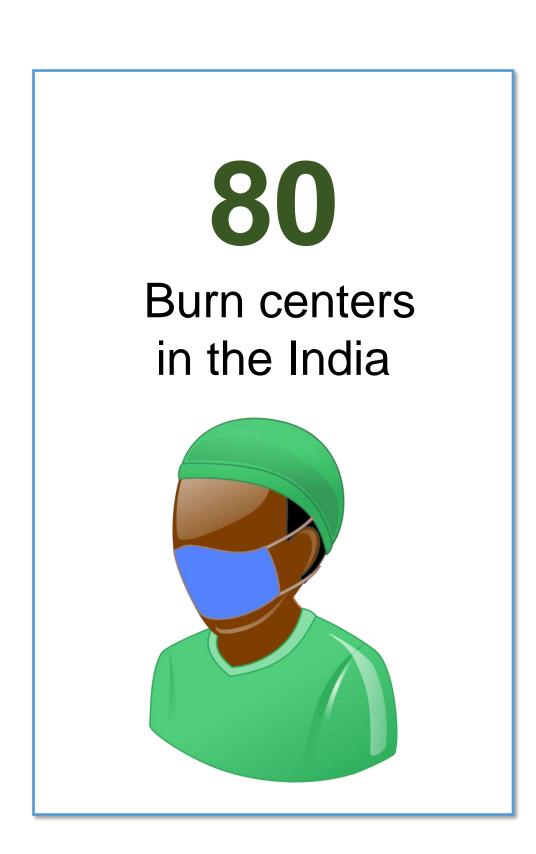
10%+ TBSA
In-Patients at
Burn Centers are
Target Candidate

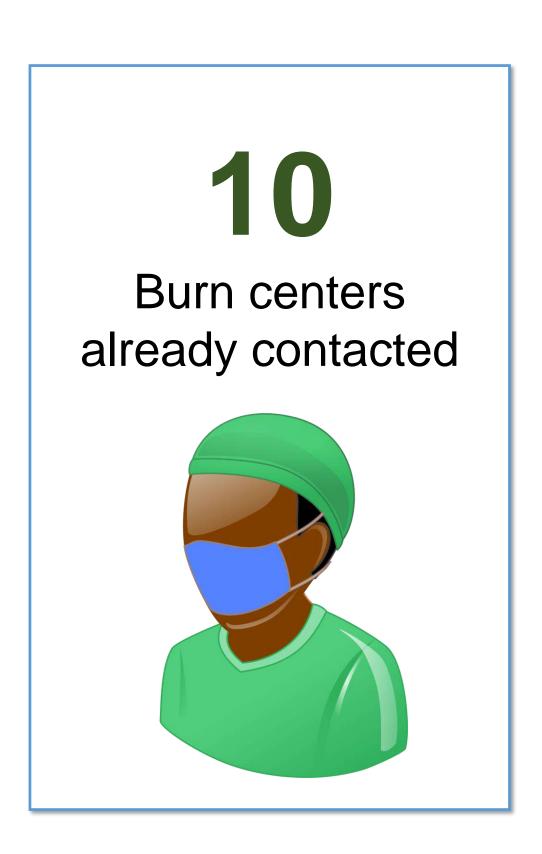


India Burn Market is Highly Concentrated

Making It Easily Accessible







Medical Advisors

Team & Advisors

The brain behind the idea



Saiprasad (CEO)
M.Des IIITDM (3+ yrs)
Biomedical



Anmol (CTO)
M.Tech IITB
Manufacturing



Rayyan
B.Tech
Mechanical



Dr. Nikhil Panse
BJMC, Pune (20+ yrs)
Plastic Surgeon



Dr. Karoon Agrawal Safdarjung, Delhi (30+ yrs) Burn Surgeon



Dr. Vinita Puri KEM, Mumbai (25+ yrs) Burn Surgeon

Technical Advisors



Prof. B. Ravi
IIT Bombay (30+ yrs)
Expertise: Product Innovation



Prof. B.B. Ahuja
COE Pune (30+ yrs)
Manufacturing



Dr. Sandip Anasane
COE Pune (15+ yrs)
Product Engineering



Dr. Rupesh Ghyar
IIT Bombay (10+ yrs)
Regulatory, Testing

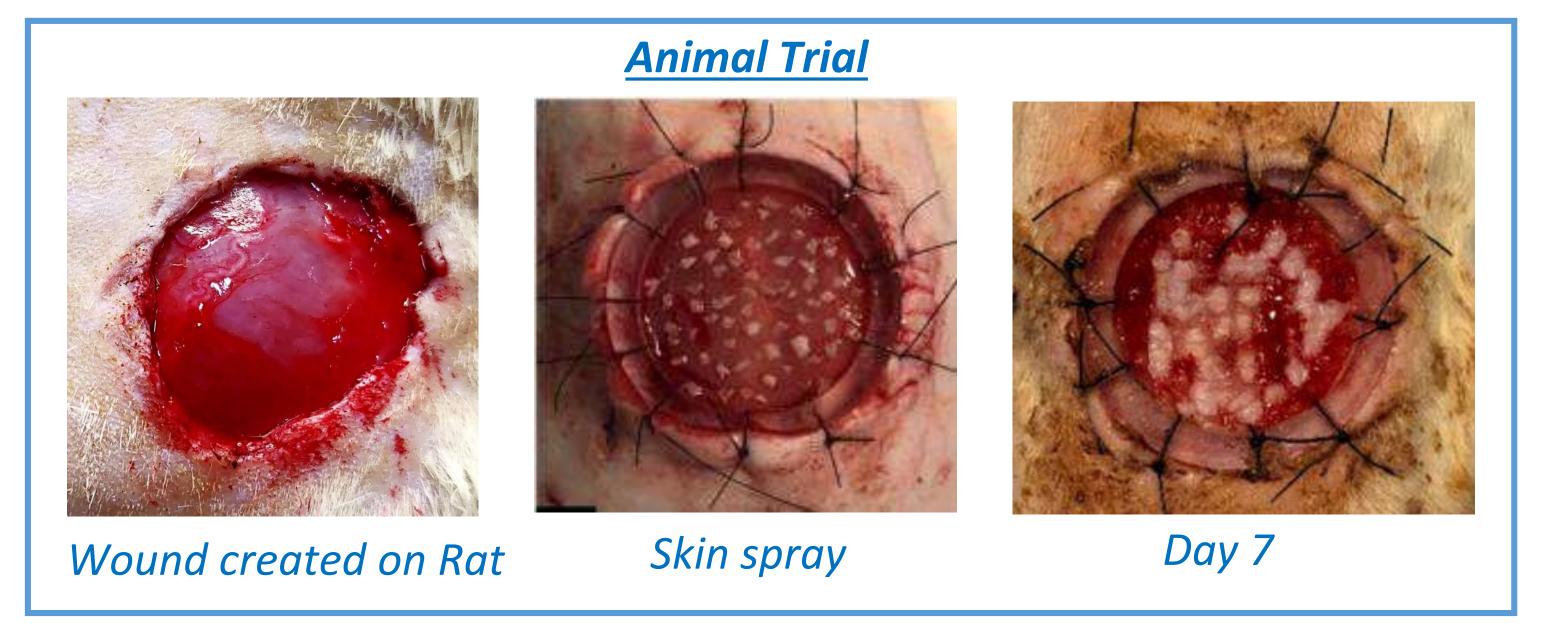


Dr. Arativ V Mulay
COE Pune (10+ yrs)
Rapid Prototyping

Current Status

Patent Pending Device and BIRAC BIG Grant Winner

Prototype	IP	Fund/Award	Surgeons	
Functional prototype is ready.		₹ 50 lakh BIG grant from BIRAC for prototype development.	Interviewed 20+ plastic surgeons from Mumbai, Delhi,	
Animal trial are in progress.	Indian Patent: 201821011504 dated: 28/03/2019	Top 10 researcher under DST-AIT program from India to Switzerland	Pune, Bangalore, Ahmedabad, Sangli, Kolhapur	





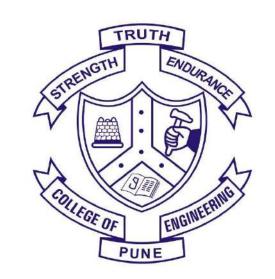
Functional Prototype

Partner

Supporting us

Technology Support





Incubation Support



Market Entry Support



Clinical Study Support



Financial Support





Market Research Support



Support us to improve the life of burn patients.

Thank you For your attention

Contact us:

Saiprasad Poyarekar, CEO

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Appendix Literature Review

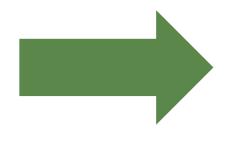


Ref: Microskin grafting in the treatment of extensive burns A preliminary Report, Zhang Ming-Liang et al, The journal of Trauma, Vol. 28 No.6, 1998

Business Model

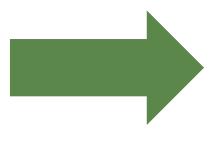
Who buys what?





Burn Care

Pay for the Device



Burn Patient

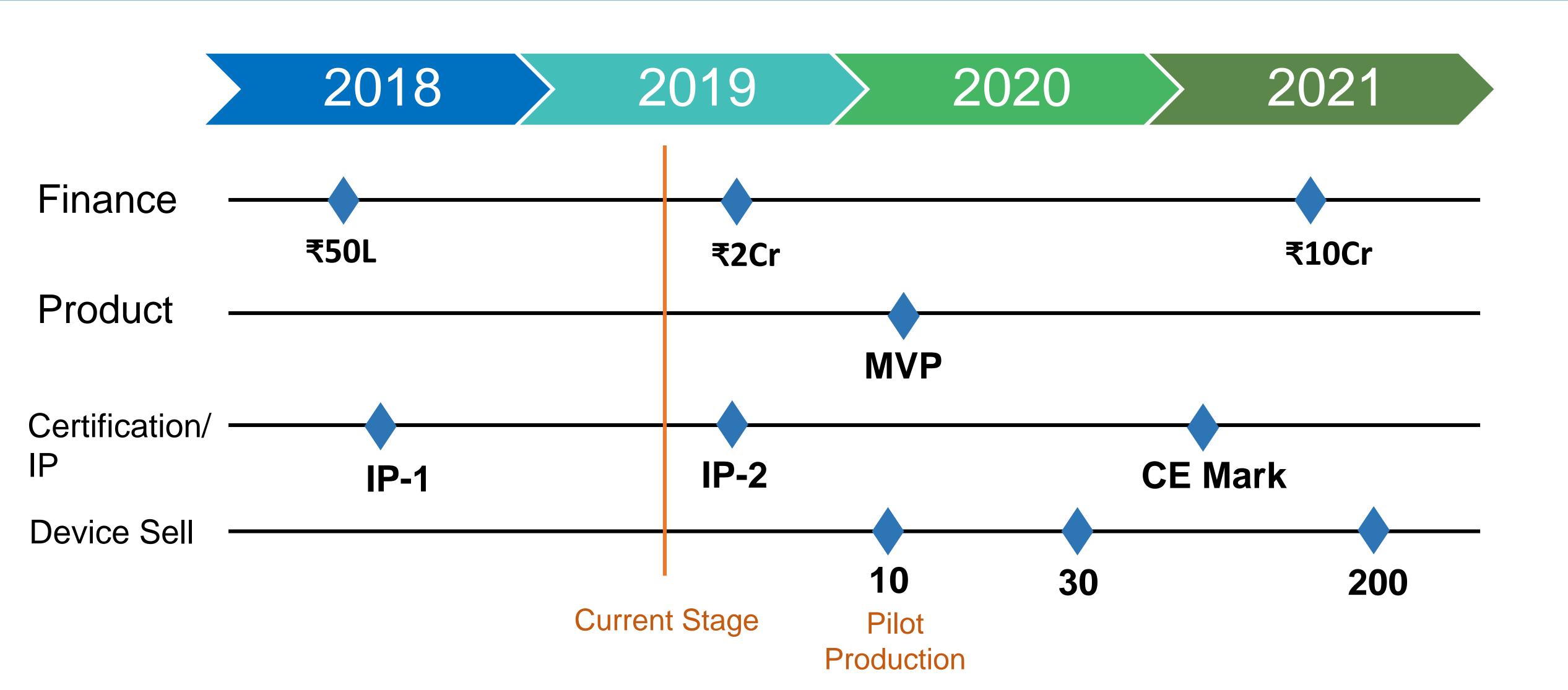
Pay for the consumable

Innovator of skin spray gun

Razor and blades model – repetition sale of consumable per surgery

Roadmap

Way forward



Use of Fund

Accelerate the Clinical Trial

Description	Funds
Pilot Manufacturing	20%
R&D	10%
Manpower	20%
Clinical Trial	30%
Operational Cost	10%
Marketing Cost	5%
Contingency	5%