

reduce healthcare costs and optimize cancer care.

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Colorectal Cancer Statistics



1.9M patients diagnosed with colorectal cancer in 2020



5100+ patients diagnosed with colorectal cancer every day



\$2.8 trillion (USD) total global economic cost for colorectal cancer

(ASCO, 2022; Chen et al., 2023)

« Go to cancer.org



American Cancer Society Releases New Colorectal Cancer Statistics; Rapid Shifts to More Advanced Disease and Younger People

Mar 1, 2023

"Diagnoses of people under 55 years of age doubled from 11% (1 in 10) in 1995 to 20% (1 in 5) in 2019."

E health Life, But Better Fitness Food Sleep Mindfulness

Colorectal cancer is rising among younger adults and scientists are racing to uncover why

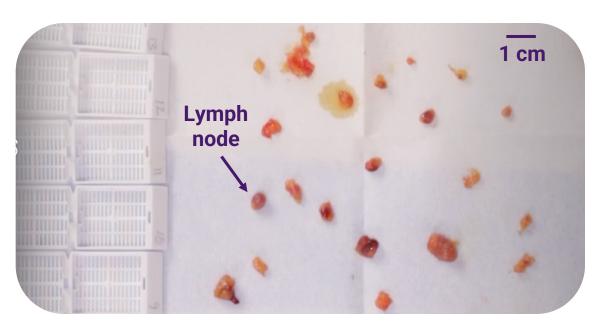


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Problem

Current Colon Cancer Staging Workflow





Lymph Node Search Process is:

Time Consuming

Expensive

Unreliable

Average human error = ~50%

Average human error for neoadjuvant cases = 97%

Inaccurate cancer staging and **improper** treatment



>\$3M/year in unnecessary costs for a hospital

(Biswas et al., unpublished, 2024)

Solution Must:

Increase Productivity

Reduce Pathology Costs

Reliably Locate Lymph Nodes

TENOMIX

The Lymphonator

Automating the Lymph Node Search Process

Current Pathology Workflow

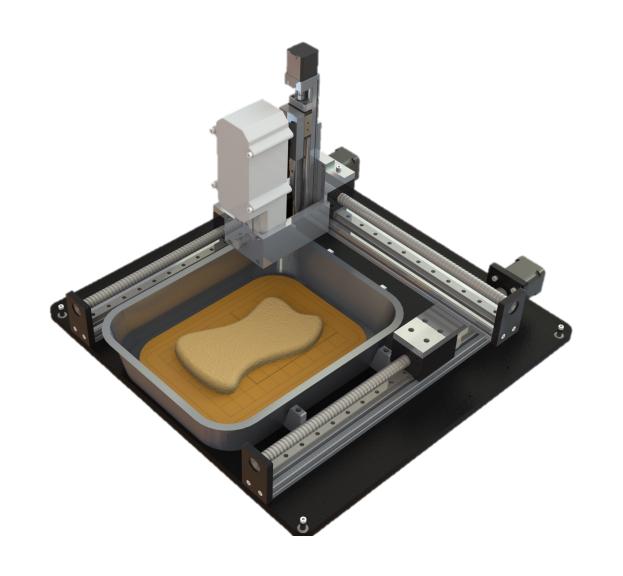
Removal of Colon

Sample Preparation

Manual Palpation

Lymph Node Extraction

Cancer Staging



Beta Prototype (Patent Pending)

Minimal Disruptions to Existing Workflow

Seamless Workflow Integration

Reduced Costs

Improved Productivity

Better Lymph Node Detection



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Regions of interest are pinned

Target regions are displayed to clinicians





Early Performance Metrics

Small lymph nodes (~2 mm) are detectable using the Lymphonator during our human experiments

The Team

The Tenomix Team Combines Pathology, Engineering, Business, and Medicine



Saumik Biswas, PhD

CEO, FounderPathology Scientist,
Entrepreneur



FULLTIME

Eveline Pasman, MD, PhD

COO, Founder
Physician-Scientist,
Project Manager



Michael Lavdas, MESc

CTO, FounderMechatronic Systems and Biomedical Engineer



PARTTIME

Sherif Abdou, PhD, PEng

CBO, FounderEntrepreneur,
Mechanical Engineer

FULLTIME

Tenomix Developers



Jacob Tryon
PhD
Mechatronics
Engineer

FULLTIME

Software



Nicholas Pehme BSc Software Developer, AI/ML

Clinical



Matthew Cecchini
MD, PhD
Pathologist at LHSC,
Academic
Collaborator/KOL

Software



Jamie Tremaine
BASc
Former CEO at GestSure
Technologies (computer
vision & deep learning)

Tenomix Mentors

FULLTIME

Ultrasound



Aaron Fenster
PhD
Globally renowned
imaging expert;
Professor

Sales



RJ McNaughton BASc Former Senior Director Sales at Becton Dickinson

Business Development



Ying Tam

Former CEO of Mindful

Scientific; MaRS Managing

Director (Health)



Ing Goping
BEng
Former CEO of
Laborie Medical

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FULLTIME



Current Traction

Clinical engagements in Canada & US

- University Hospital, London, Ontario
- Hamilton Health Science, Hamilton, Ontario
- St. Paul's Hospital, Vancouver, British Columbia
- Mayo Clinic, Rochester (MN), USA Paid Pilot

Company milestones (2.5 years)

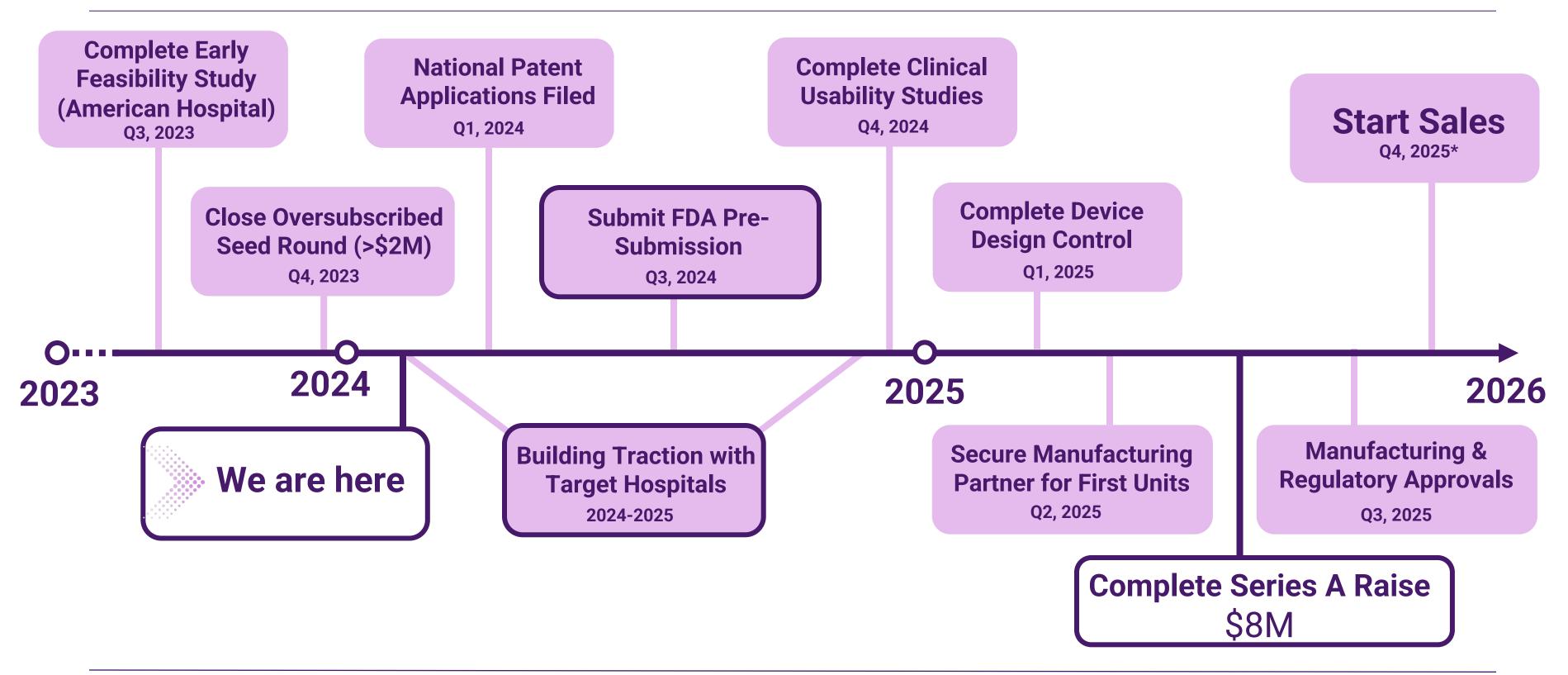
- >\$1,270,000 in non-dilutive funding raised
- > 78 stakeholder interviews
- Filed national patent applications in 10 regions
- Functional beta prototype
- 4 Prototype feedback sessions with end-users
- Completed 18 hours of usability testing with #1 hospital
- 41 human tissue experiments to collect images
- Ultrasound OEM support re: image quality

Closed an oversubscribed seed round (\$2.14M)

- Lead investor FACIT for \$1M
- OCI Life Sciences Innovation Fund secured (\$500k)
- OBIO (\$100K)
- \$540,000 from angel investors



Commercialization Pathway





Why BVZ?



Top Class Mentors (life sciences, investing, and more)



Strong programming & workshops



Support network & funding opportunities



Summary

In Loving Memory

Gita Dhar





Validated Need



Dedicated Team

Mayo Clinic, USA

St. Paul's, Vancouver HHSC, Hamilton UH, London

Clinical Traction



Asks

- Leads for software developer recruitment
- Connect with the pathology or procurement team at William Osler
- Connect with Series A Investors

Join Us!

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