

MRI Imaging Agents for Cancer Detection

Imagion Biosystems Limited
ASX:IBX

A Breakthrough in
Molecular Magnetic
Resonance Imaging



Forward Looking Statements

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Company & Leadership

- Scientifically proven, novel-platform addressing multi billion dollar market.
- Strong clinical value proposition with high margins and reimbursement potential.
- Experienced team in the development of Medical Device and Medical Imaging technologies.
- Track record of successful regulatory approvals for image-based technology.
- Commercially focused with experience in bringing new technologies to market.
- Operating as a virtual company with low fixed costs.

Robert Proulx Executive Chairman

Robert has been CEO and Chairman of Imagination since 2015 bringing the technology and company from early proof of concept to clinical stage.



Ward Detwiler Chief Business Officer

Ward co-founded SpinTech MRI, a quantitative MRI software company focused on rapid imaging and new biomarker detection.



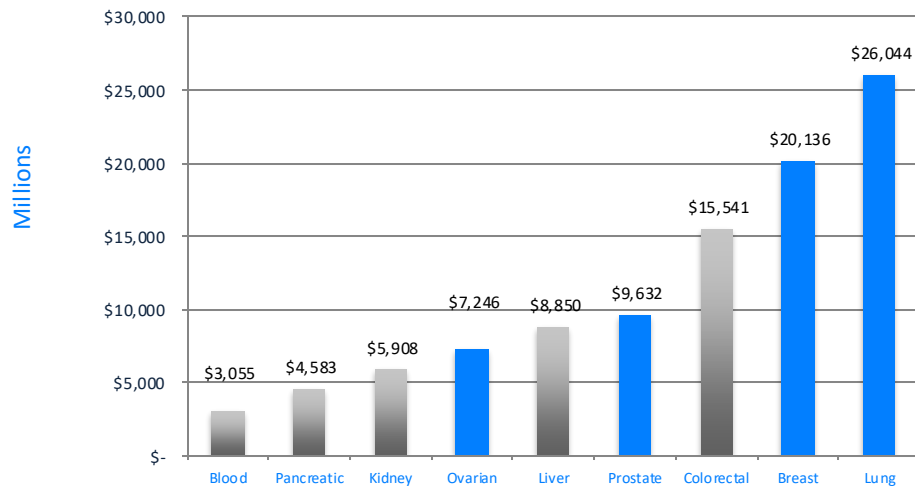
Dr. Susan Harvey Medical Affairs Advisor

Dr. Harvey is an experienced breast radiologist and the co-founder of Curing Women's Cancer. Previously she served as VP of Worldwide Medical Affairs at Hologic and Director of Breast Imaging at Johns Hopkins Medicine.



Over 50% of cancers are diagnosed at late stage¹.

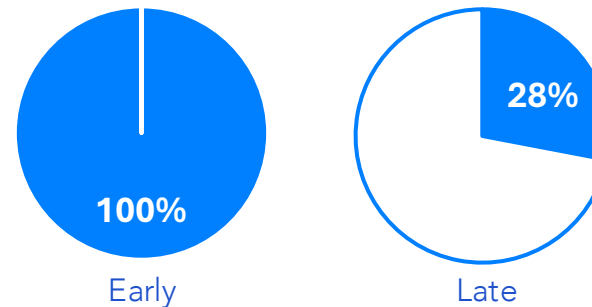
CANCER DIAGNOSTICS - \$100B MARKET
7% CAGR



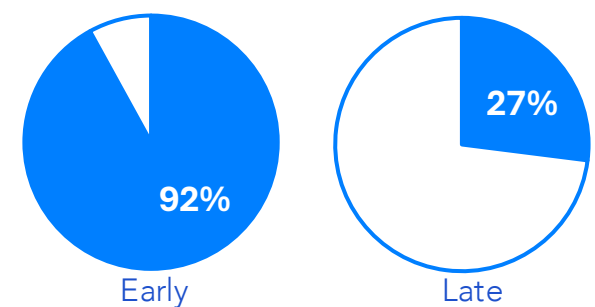
* Source: Transparency Market Research – Global Cancer Diagnostics Market 2014-2020

5- YEAR SURVIVAL RATE
DEPENDING ON EARLY OR LATE
DIAGNOSIS:

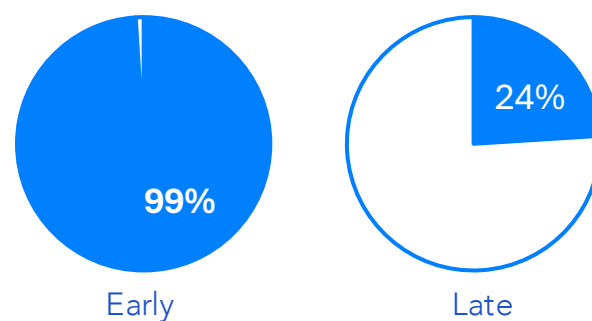
Prostate Cancer



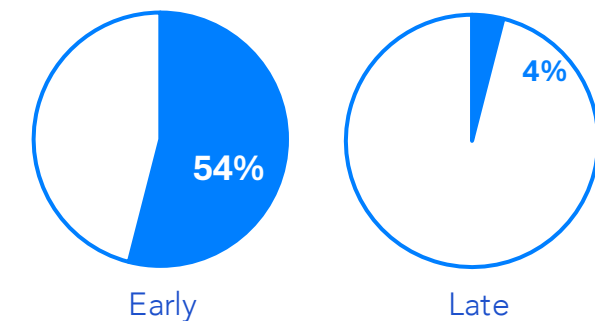
Ovarian Cancer



Breast Cancer



Lung Cancer



1) <https://pubmed.ncbi.nlm.nih.gov/35298272/>

The Unmet Need

Getting to certainty takes too long.



Screening

Indicates risk, but non-diagnostic. Requires confirmation before treatment.



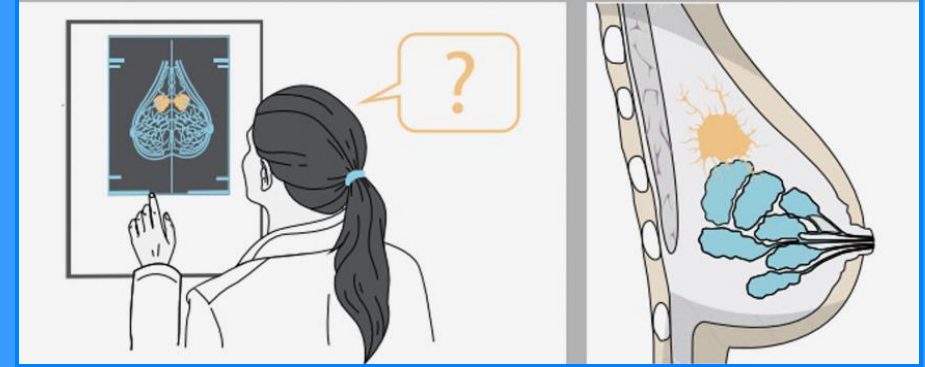
Imaging

Identify "suspicious lesions" but can't distinguish between benign or malignant.

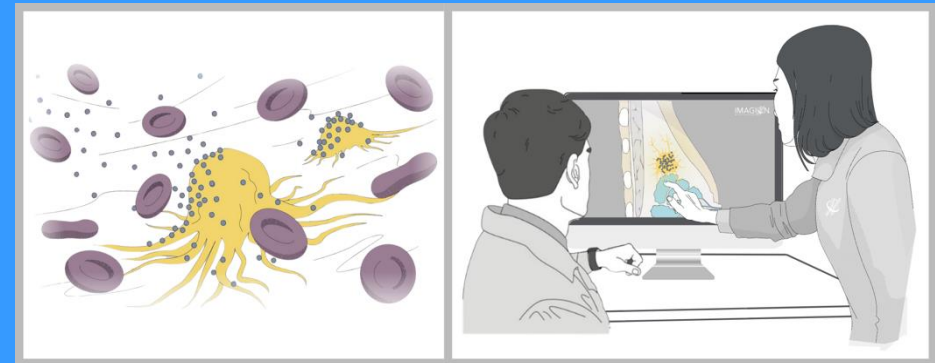


Biopsy

Painful, complicated, error prone and challenging. Pathology assessments can take days.



Conventional Imaging provides anatomical context but is not specific and can only identify a region of interest.

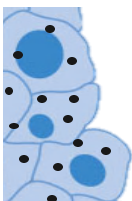


MagSense[®] Imaging uses molecularly targeted imaging agents to produce a distinct image pattern indicating the presence of a tumor.

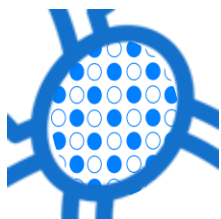
How MagSense® molecular MRI works



MagSense particles are coated with unique targeting moiety and administered before MRI

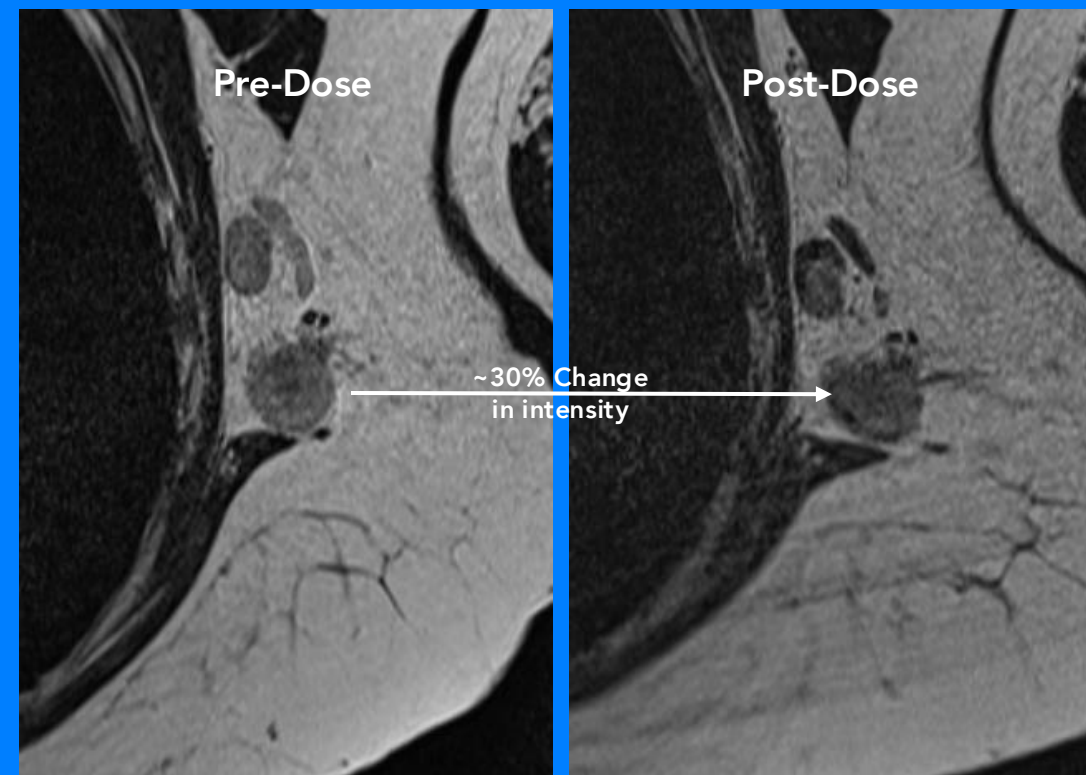


MagSense particles only bind to target type of cancer cells, if present



MagSense produces an identifiable change in image contrast which is easily detected

MagSense® nanoparticles enable molecular imaging by producing an identifiable change in image contrast when cancer cells are present





MagSense® mMRI Technology

Transforming molecular imaging



Specific

Provides molecular confirmation of cancer, not just "suspicion".



Safer

No radioactivity.
Low dose produces contrast.



Better Patient Care

Reduces need for biopsies and can detect small tumors.



MRI-based Detection

Compatible across 50k+ MRI scanners in use globally.



Platform Technology

Fits clinical workflow and can be used across many cancers. Theranostics potential.

Clinical Pipeline



HER2+ Breast Cancer
\$500M TAM
Ready for Phase 2



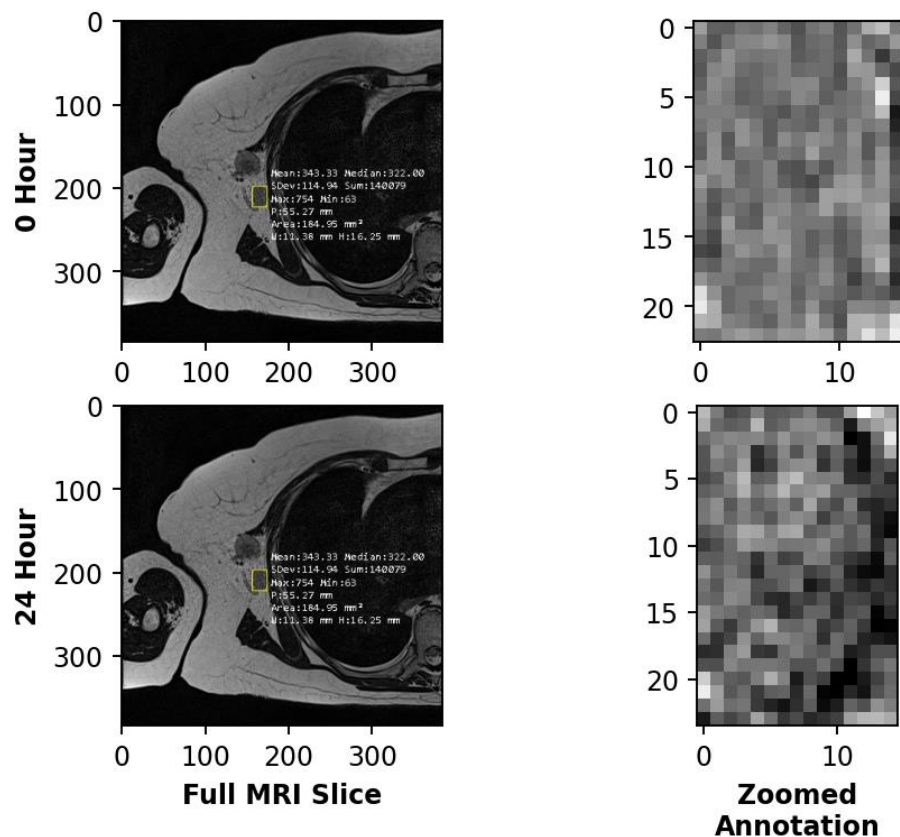
Prostate Cancer
\$1B TAM
Ready for IND/Phase 1



Ovarian Cancer
\$500M TAM
Ready for IND/Phase 1

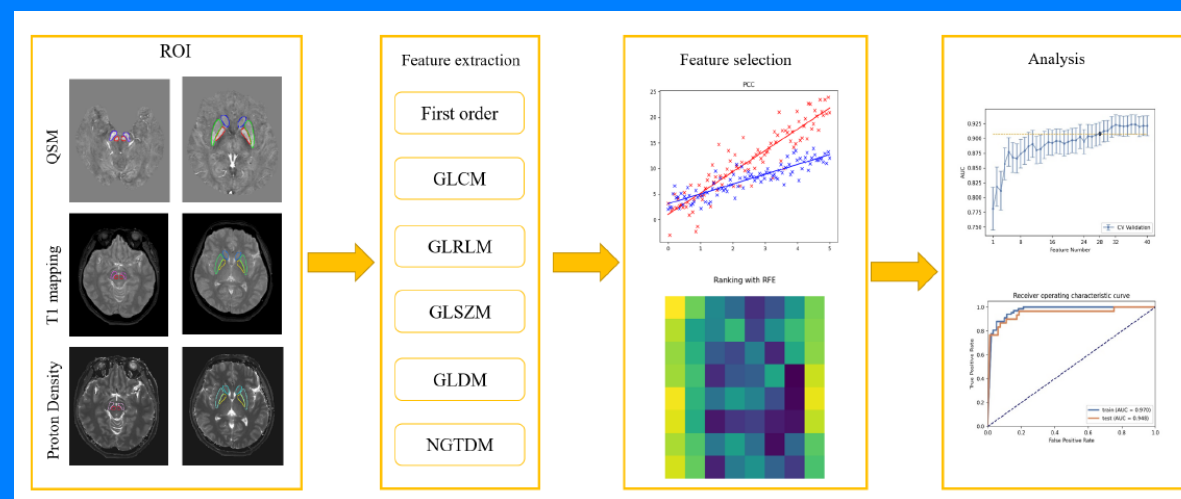
mMRI Enables AI Detection

Subject 5, Node: 2



Unique quantitative signature allows for Artificial Intelligence and Machine Learning algorithms for automated detection.

Existing iron-based AI diagnostics already show proof of concept.



<https://archive.ismrm.org/2021/3258.html>

Investment Rationale

Large Markets with an Unmet Medical Need

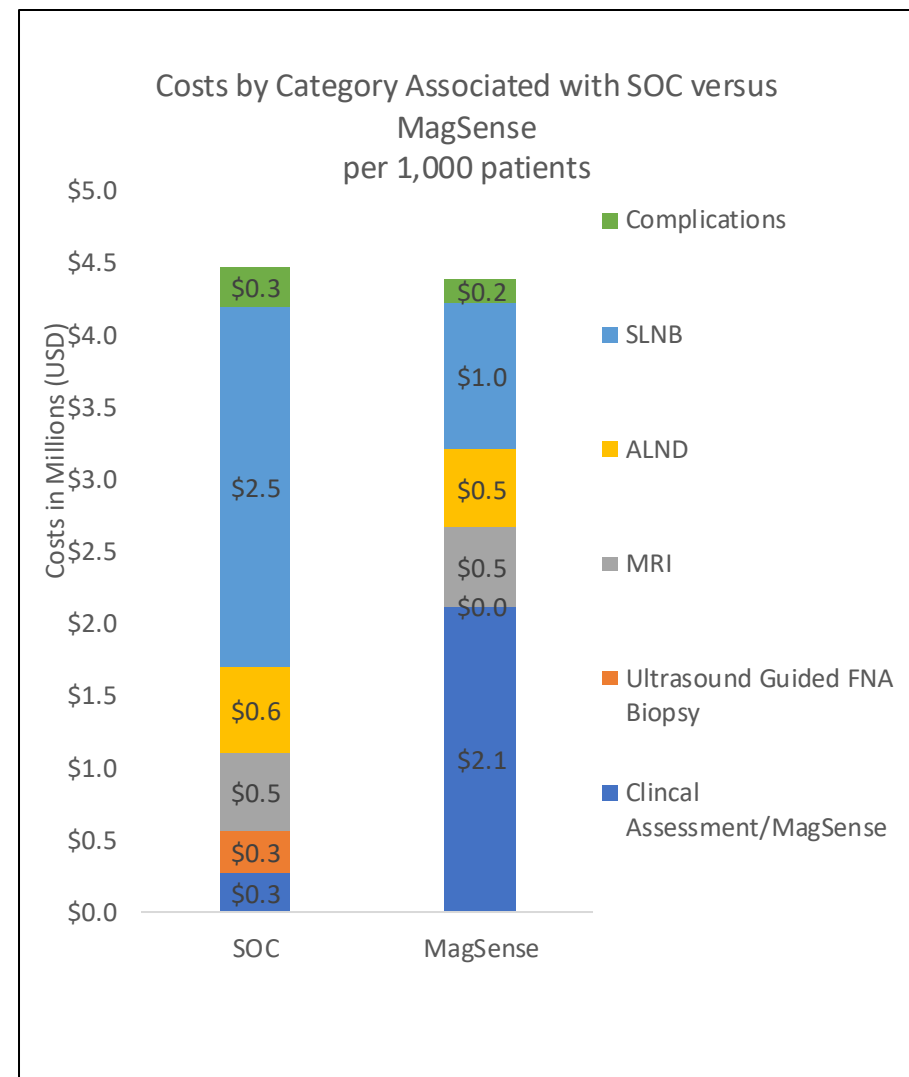
- Global cancer incidence to rise 77% by 2050 with screening & diagnostic imaging costs growing at 6.7% CAGR
- Molecular imaging to-date limited to methods using radioactivity due to MRI lacking specificity.

Clear Path to Clinical Utility

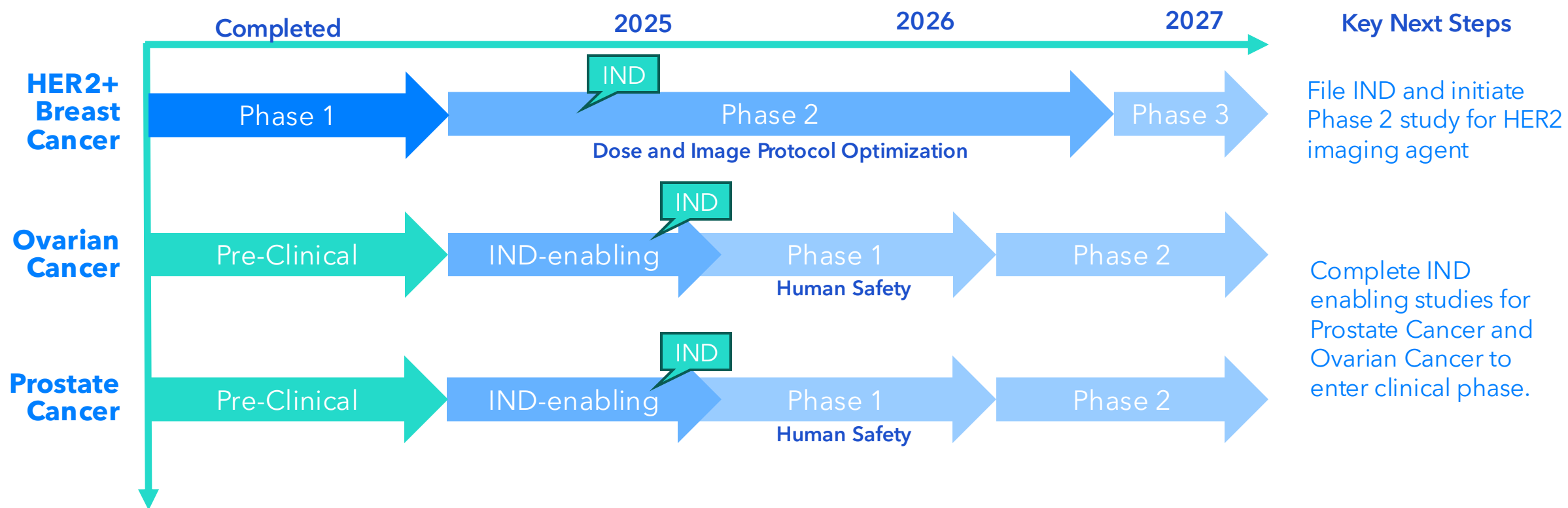
- Almost 100% of contrast media products achieve regulatory approval.
- Fits existing clinical workflows and is compatible across 50,000+ MRI scanners in use globally.
- Combined with AI detection could expand “diagnostic” utility of imaging

Commercially Attractive for Strategic Partnering

- Health economics support value-based reimbursement pricing while still saving healthcare system costs.
- High gross margins support commercial partnering business model.












Pathway to Value Creation



Strategic Partnering

Incumbents continue making attractive deals for differentiated clinical-stage assets

Strategic	Target	Value AUD	Year	Notes
 LANTHEUS™	 RAD RADIOPHARM THERANOSTICS	\$18M	2024	Strategic investment. Part of \$70M AUD financing transaction.
HOLOGIC®	 endomag ⁺	\$310M	2024	\$35M revenue at time of transaction. Breast cancer
 Lilly	 ARMO BIOSCIENCES	\$1.6B	2018	Imuno-oncology agent. Acquired following successful Phase 3.
 LANTHEUS™	 Progenics [®] Pharmaceuticals	\$328M Est.	2019	All stock acquisition. Estimated market cap at transaction date.
 NOVARTIS	 Advanced Accelerator Applications	\$3.9B	2018	Acquired in Phase 3, pending FDA clearance. Radioligand therapy.

Capital Needs and Use of Funds

Bridge Round

(End Q2 '25)

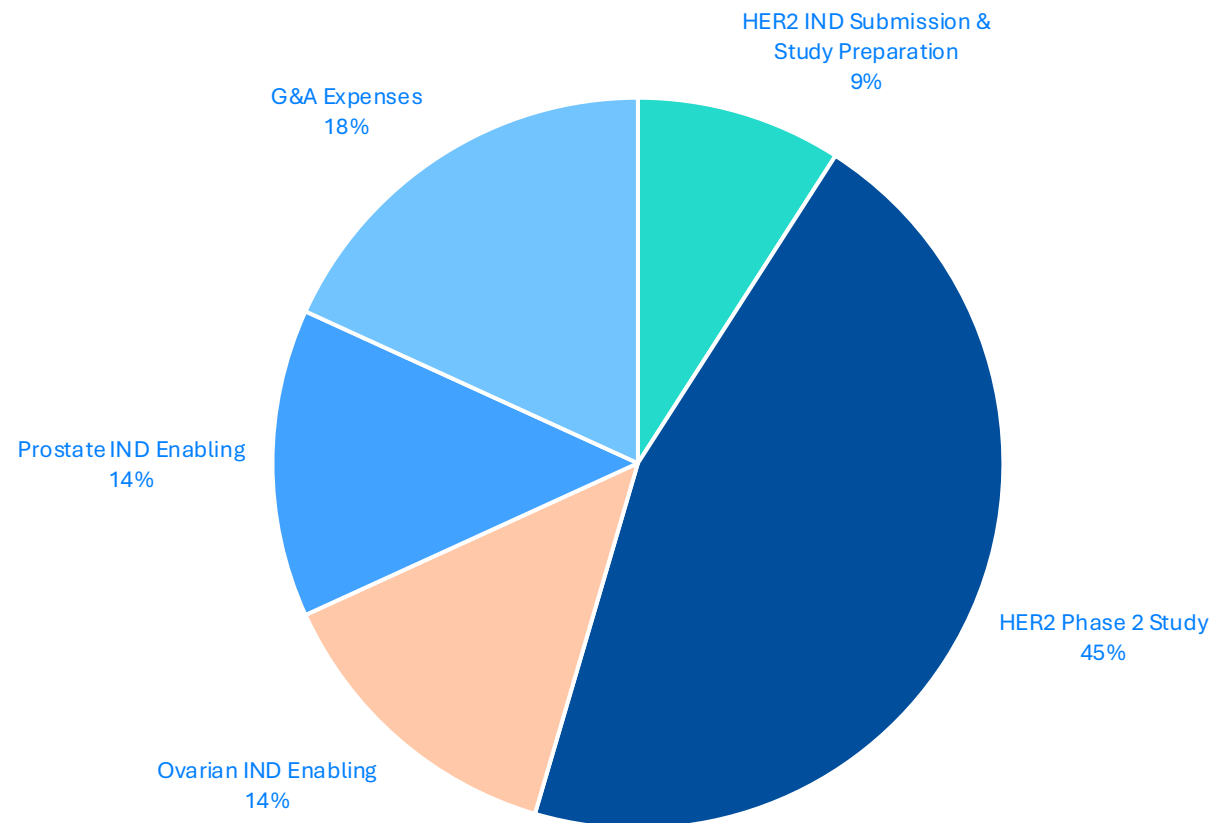
- IND approval of HER2 Phase 2
- CRO engagement
- Imaging protocol optimization
- Clinical lot manufacturing
- Strategic partner engagement

Clinical Development Round

(End Q4 '25)

- Completion of HER2 Phase 2 study
- Clinical development for Prostate and Ovarian
- IND submission for Phase 1 in Prostate and Ovarian

Use of Funds





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