Conquer Cancer through Al



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Company Overview

2023 INVESTOR RELATIONS





About Lunit Since 2013 | 1st Generation Medical Al Company | Listed in KOSDAQ since 2022

Global Investors

Backed by leading global investors

Raised \$122M while unlisted

Foreign investment =\$73M 60%

- 25% of global shareholders after IPO
- → Top 3% of KOSDAQ listed 1,600 companies in Korea





Global Partners

Established partnerships with industry giants

Chosen by leading medical device companies

FUJIFILM PHILIPS

GE Healthcare

(A) GUARDANT

Chosen by

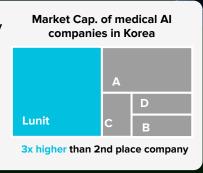
leading bio companies

Multiple global pharmas

Industry Leader

Best-in-class AI technology and products

- · Unprecedented "AA-AA" highest level in technology assessment among healthcare companies
- Best performance proven by direct comparison with global competitors in various studies
- · Highest market cap. among listed medical Al companies (2023.04)



Commercial Success

Successfully scaling out revenue growth



2023 INVESTOR RELATIONS

Core Competence

#1 Technology



Strong Foundation

Tech-based startup

- Six cofounders from KAIST
- •First deep learning startup in Korea
- Top-tier Al researchers

KAIST

Al Researchers **52** 18%

Software Developers

70 24%

Cofounders



Anthony Paek Former CEO & **Executive Chairman**





Sunggyun Park **Cancer Screening Chief Product Officer**



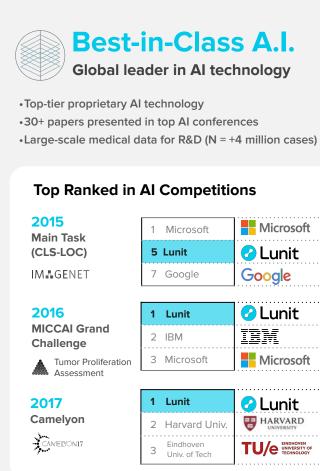
Minhong Jang Cancer Screening Chief Business Officer



Kyunghyun Paeng **Chief Product Officer**



Jeongin Lee VP of IT & Infrastructure





•The only Korean company spotlighted by World Economic Forum, CB Insights



2020 / 2022

TECHNOLOGY PIONEER GLOBAL INNOVATOR



2017

CB Insights **AI 100**



2019 / 2020 / 2021

CB Insights **DIGITAL HEALTH 150**



Newsweek



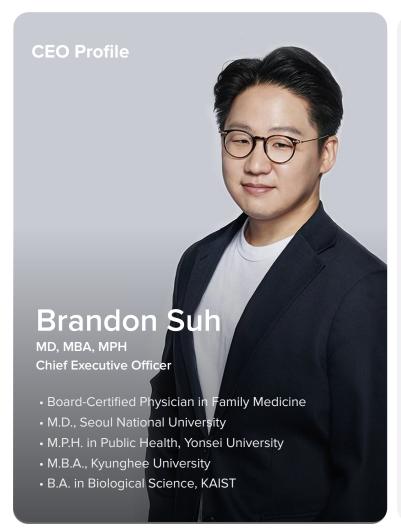






Core Competence

#2 Medical Expertise



13 Full-time Physicians at Lunit



Chanyoung Ock Oncology



Kihwan Kim Radiology



Taebum Lee **Pathology**



Wonkyung Jung **Pathology**

Sooick Cho



Sanghyup Lee

Radiology

Eunkyung Park





Ambika Seth Radiology



Renowned Scholars as Advisors





Tony Mok Linda Moy Oncologist east Radiologist **Board member** of AstraZeneca Vice-chair



Chae Oncologist **KOL** in



YoungKwang Yung-jue Bang **Oncologist KOL** in Korea immunotherapy

Publications in Major Peer-reviewed Journals



THE LANCET JAMA Oncology Network Open.

ASCO

Radiology

European Radiology

RSNA°

REPORTS Clinical

Infectious

Diseases

AACR

XUSCAP

Research Partnerships



























General Physician

Company Overview

Core Competence

#3 Global Business

Global Talents at Lunit



Ken Nesmith **CEO** of Lexent Bio (acquired by Roche/ Foundation Medicine)



Chris McKinney Business Development ead at GE and



Michael Hreczuck **Business Development** lead at Tempus and **HTG Molecular**



Antoine Khoury Business Development ead at Hologic and



Thijs Kooi **Published AI research** papers in top Al



Sergio Pereira Leading AI researcher in medical imaging



Wei-cheng Wang Development lead at Yahoo and Foxconn



Ambika Seth esearch for Al startups

International Colleagues (non-Koreans)

48 17%

Global Investors Back Lunit

- \$73M funded by overseas investors (60% of total funding)
- First Korean medical device company invested by major US healthcare VCs (Pre-IPO funding round)
- Multiple strategic investments by industry leaders









formation 8





International Shareholders by Company (2023.04.30)



+25%

20%

*Top 3% of 1,600 KOSDAQ listed companies

2nd among Healthcare Technology sectors in Korean stock market

MINIOUNG DIOLOGICO	109	AMSUNG
--------------------	-----	---------------

companies



VUNO JLK INSPECTION [DEEPNOID] < 2%

Global Sales Channel through Strong Business Partnerships

50% Global market share of device partners





SECTRA







US Oncologists using Guardant Health products



Global Big Pharma

Currently discussing research/collaboration agreement with multiple big pharmas

Conquer Cancer through Al Increase cancer survival through Al-powered cancer diagnosis and treatment

Cancer diagnosis support

solutions

Cancer

support

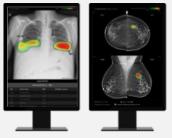
solutions

treatment

Lunit INSIGHT®

+50% 50% more patients can

be screened earlier



Flagship Lunit INSIGHT CXR / MMG









Chest CT



3D Mammo (DBT)

Increase Survival of **Cancer Patients**

Al research platform

Lunit scope®

+50% 50% more patients can be eligible for

immunotherapy



Lunit SCOPE IO



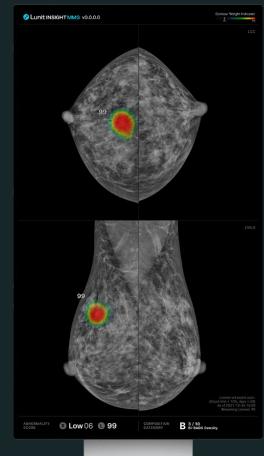


Tissue

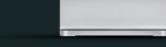
DNA / RNA

Lunit INSIGHT®

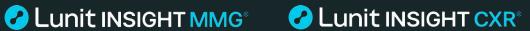
2023 INVESTOR RELATIONS













Accurate and Effective Detection of Cancer

Needs

Current limitations in cancer diagnosis/screening

Missed Cases

False Negative Rate 3)

Chest X-Ray and Mammography

Unnecessary Tests

False Positive Rate 4)

Mammography

Breast Cancer

Global incidence rate

Focusing on major cancers

Lung Cancer

Global incidence and mortality rate

1) NLST trial, NEJM 2012

2) Breast Cancer Screening Consortium data

3)False Negative Rate: Falsely diagnosed as not cancerous

4)False Positive Rate: Falsely diagnosed as cancerous, but normal

5) SEER Cancer Statistics Review, 1975-2015

Product





Effect

Increase interpretation accuracy and efficiency







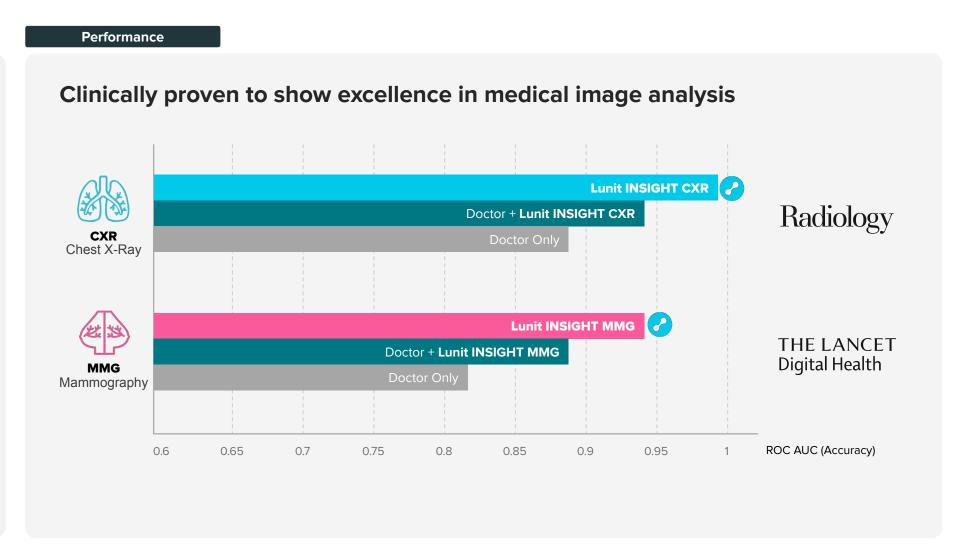




11

Higher Reading Accuracy | Better performance than specialists, proven in major studies

Evidence Extensively validated through studies Studies/abstracts THE LANCET JAMA Oncology Digital Health Network Open. Radiology SCIENTIFIC REPORTS **RSNA**° Clinical European Radiology Infectious Diseases ВМС Pulmonary Medicine AJR ACTA RADIOLOGICA ITD THE LANCET Regional Health EUROPEAN RESPIRATORY journal



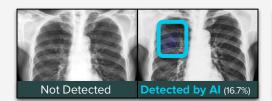


Lunit INSIGHT Value

Earlier Diagnosis | Higher reading accuracy leads to earlier diagnosis of cancer

When Using Lunit INSIGHT

of lung cancer patients can be diagnosed earlier when analyzed by Lunit **INSIGHT CXR**





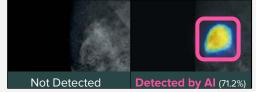


Impact of Earlier Diagnosis

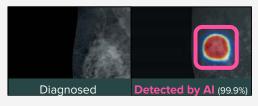
Significance of Early Diagnosis in Lung Cancer 4.3x Survival Increase 5-Year-Survival 5-Year-Survival Diagnosed Stage 3, 4 **Diagnosed Stage 1,2** Reference: AJCC 8th Edition

of breast cancer patients can be diagnosed earlier when analyzed by Lunit **INSIGHT MMG**

Case)







Significance of Early Diagnosis in Breast Cancer **1.4x** Survival Increase 5-Year-Survival 5-Year-Survival **Diagnosed Stage 1,2** Diagnosed Stage 3, 4 Reference: AJCC 8th Edition

59-year-old female: Al found a breast cancer that was missed 2 years ago

54-year-old male: Al found a lung cancer that was missed 3 years ago

*Randomized Controlled Trial

Real World Evidence | Building solid evidence through prospective studies

Study Method

What is prospective study?

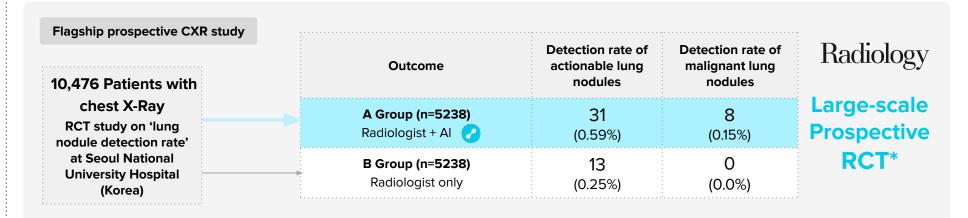
Study designed Retrospective **Prospective**

> Outcome is measured after the baseline state of the subjects is determined and controlled intervention applied.



Higher possibility to receive reimbursement if backed by prospective studies

Lunit INSIGHT CXR

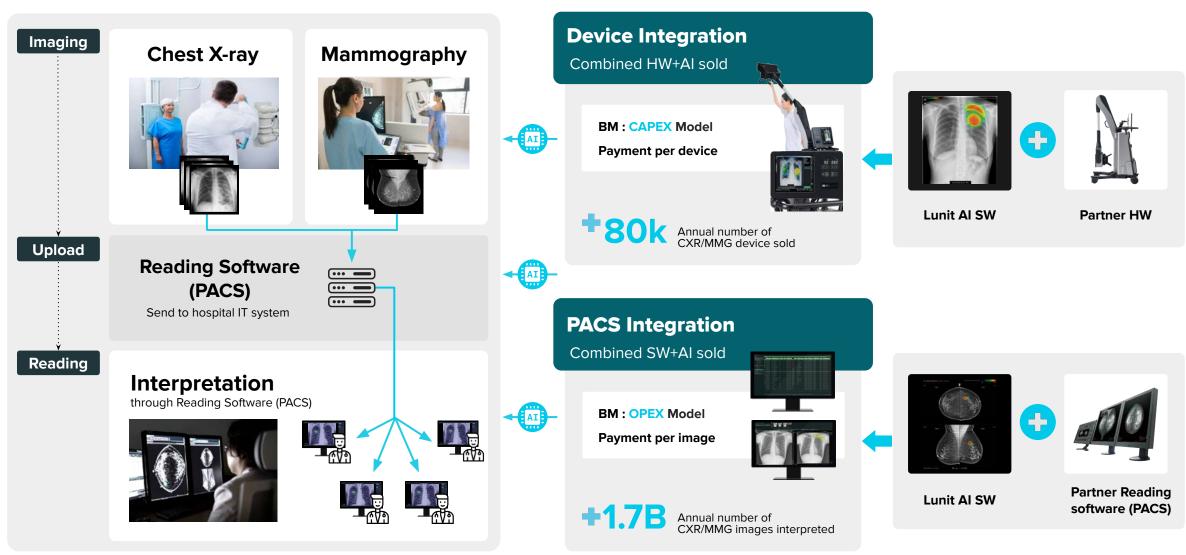


Lunit INSIGHT MMG

: Research method in which subjects are randomly divided into control and experimental groups for comparison

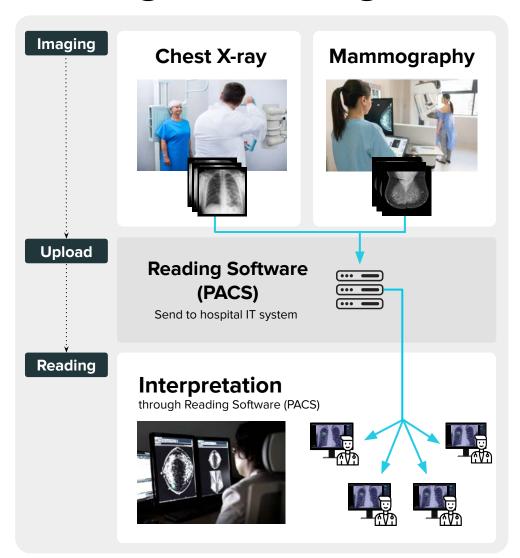
Flagship prospective MMG study	Outcome	Detection rate of cancer per 1,000 women	Recall rate per 1,000 women	Under submission
55,579 women screened for	1 Radiologist + Lunit INSIGHT MMG	4.3	28	in major journal
Study on 'Double Reading' by Karolinska Institutet (Sweden)	2 Radiologists	4.1	29.3	Large-scale Prospective
institutet (Sweden)	Lunit INSIGHT MMG 🕜	4.1	15.5	Study

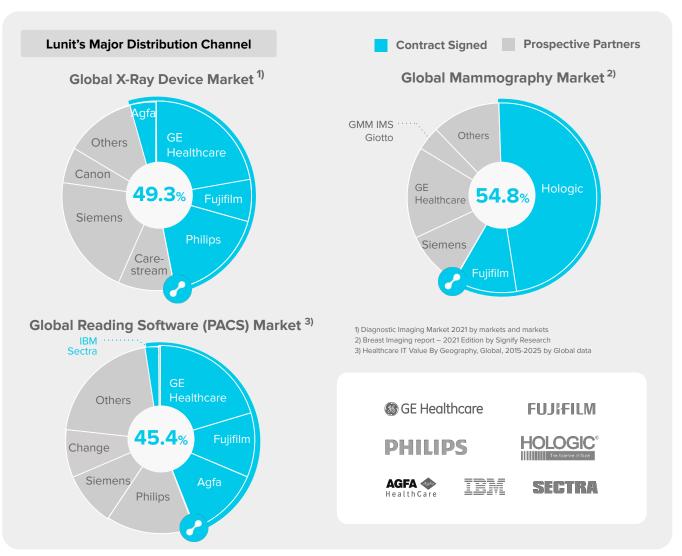
Distribution through Integration into Imaging Platform



Lunit INSIGHT

Scaling out through Global Partnerships







Key Success Factor: Proven to Be Best-in-Class

Accuracy

Superior Performance

JAMA Oncology

Salim, et al. JAMA Oncol. 2020 Aug 27.

IF 24.799¹⁾

Comparing 3 Commercial Mammography Al

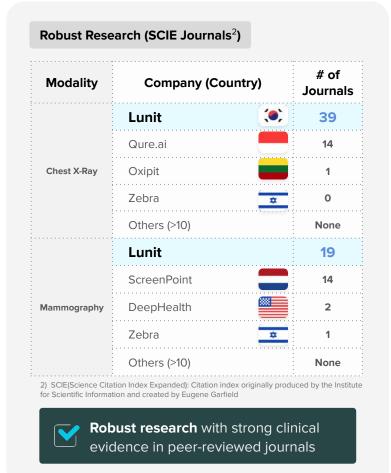
Retrospective analysis of 8 years of mammography screening Compared Al screening performance with data from 739 breast cancer-diagnosed women and 112,924 healthy women

	Lunit	Company A	Company B
Al	∠ Lunit INSIGHT MMG°	Algorithm A	Algorithm B
Sensitivity	81.9 %	67.0%	67.4%
Accuracy (ROC AUC)	95.6%	92.2%	92.0%

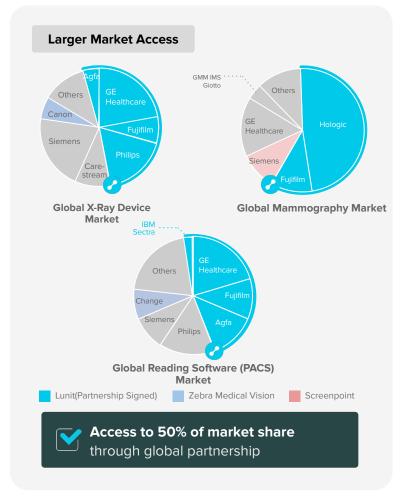
1) Impact factor, Top 7 among Oncology Journals



Research



Partnership





Current Commercialization Status

Usage

Number of paying sites worldwide 1

Global Customers

Retention Rate

Lunit Users among Top 10 Hospitals in Korea ²

Chest X-Ray exams in Korea³ Analyzed by Lunit INSIGHT CXR 2021

10%

Lunit INSIGHT MMG Users among 45 Large Hospitals in Korea

Partner Testimonials

First Al company collaboration for our x-ray business

GE Healthcare

— General Manager K * *

"This is actually out first AI company collaboration for our x-ray business. The offering will be available on all of GE digital, fixed, and mobile, and even fluoroscopy. Leveraging the long-term established expertise, that GE has on x-ray equipment in combination with Lunit's technology will help to keep up with the customer needs, care deeply about patients and diagnosing physicians or radiologists."

Felt very high customer satisfaction





Global Marketing Manager M * *

"In Japan especially, many of the elder people cannot move from home to the clinic to take x-ray. Our x-ray with Lunit AI can visit to take x-ray immediately at home, so it is a significant difference. After we used Lunit AI in the market, I didn't have any complaints. From Fujifilm's standpoint, whatever Al lunit made has a very high quality, so we would want to implement it in our x-ray system or PACS system. Customers have already started to use AI and expect more support."

Lunit has both strong clinical record and national scalability



Global Software Product Manager P**

"Lunit has a strong clinical validation track record and is registered in Europe and also more than 19 countries, making it an excellent partner for developing solutions that bring our customers intelligent and definitive answers to their daily needs. We believe that the integration of Lunit's Al in Agfa's advanced medical imaging workstation will help facilitate more effective clinical workflows in various hospital situations."



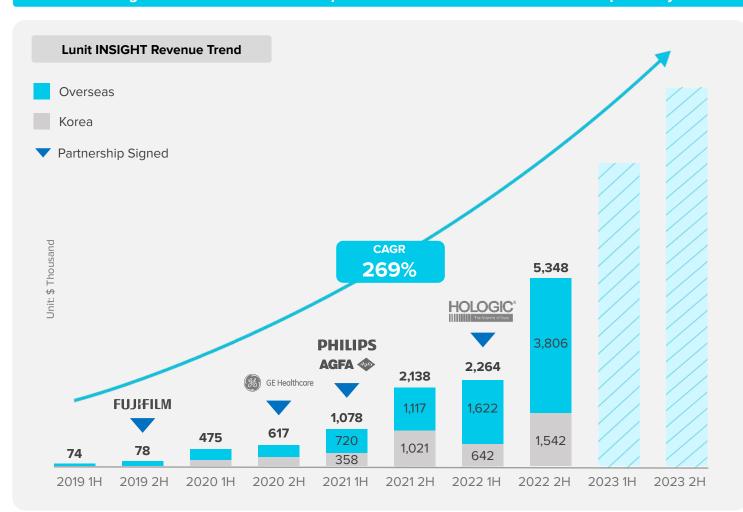
⁾ Excludes demo and research use; only commercial sale

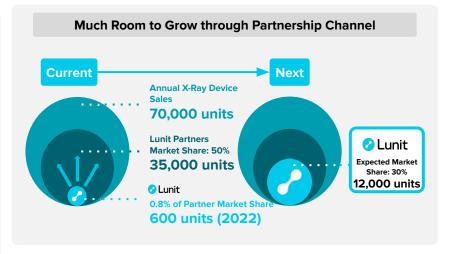
²⁾ Newsweek, World's Best Hospitals - South Korea, 2020:

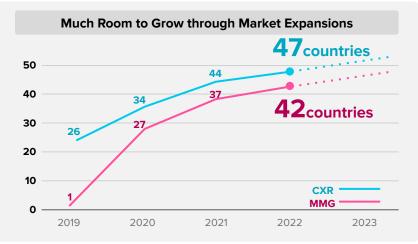
³⁾ Source: KOSTAT.go.kr Appx. 40M Chest X-ray exams performed annually in Korea

Exponential Revenue Growth Expected to Continue

Scaling out business and sales as partners and markets are activated sequentially







Lunit INSIGHT Business

Next Step Becoming global standard of care by B2G expansion and successful reimbursement

B to G

National Cancer Screening Programs

Reimbursement

First Case

Selected into Australia's National Breast **Cancer Screening Program**

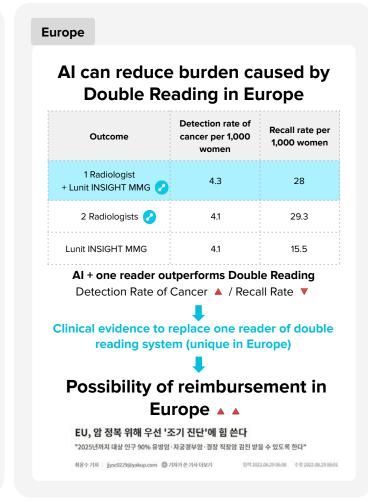
BSNSW (BreastScreen New South Wales):

A free national breast cancer screening program in NSW (MMG every 2 years to women over 40). The first case globally in which an Al-based solution is being applied in a national cancer screening program.



NSW

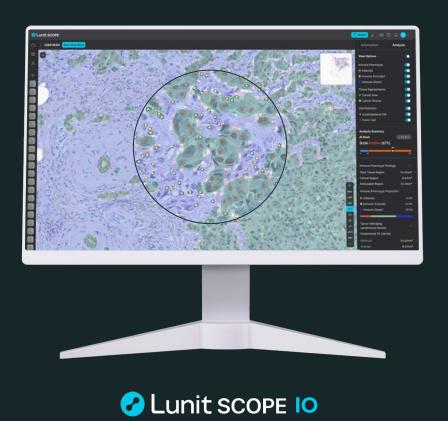


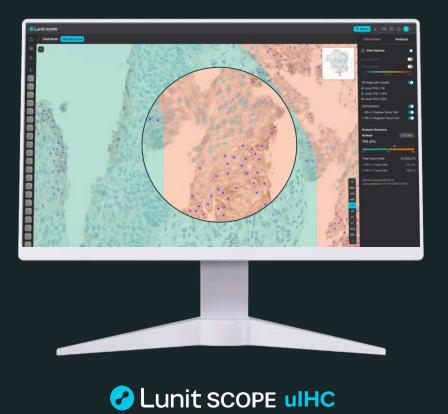




Lunit SCOPE®

2023 INVESTOR RELATIONS



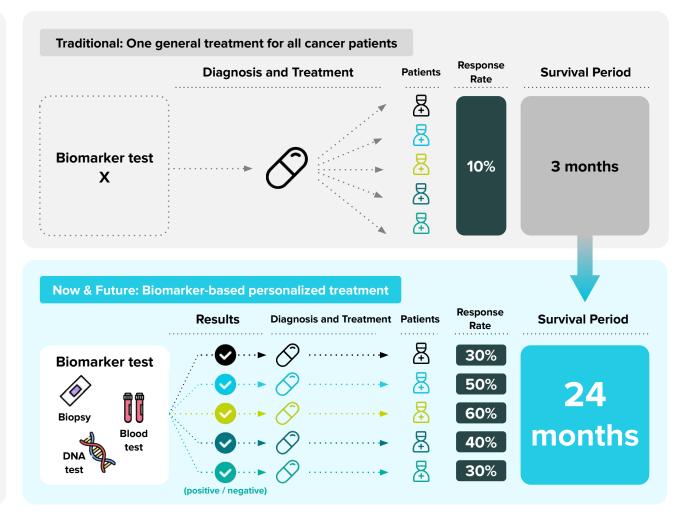


Personalized Approach Is Key to Cancer Treatment

High Complexity in Cancer



KEY: Personalized Treatment by Biomarkers



22

Lunit SCOPE: Novel Biomarker to Immunotherapy

1st generation (1940 -)

Chemotherapy

Biomarker test X

Detects and attacks fast-growing

cells recognized as cancer cells

2nd generation (2000 -)

Targeted Therapy

Biomarker test O = Genetic test



Directly targets certain DNA mutations

Biomarker CDx

MET Total +20 HER2

Targeted Therapy Market Unit: \$ Billion CAGR ~2% 62.8 2026(E) Source: : Targeted Therapeutics Market by Transparency Market Research

Saturated Market

3rd generation (2015 -)

Immunotherapy

Biomarker test O = Analyzing tissue cells

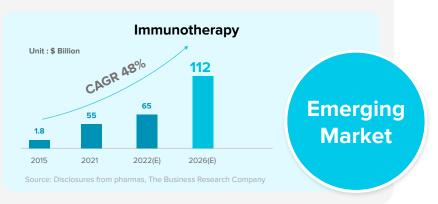


Activates immune cells to kill cancer cells

Not related to DNA mutations

Biomarker CDx

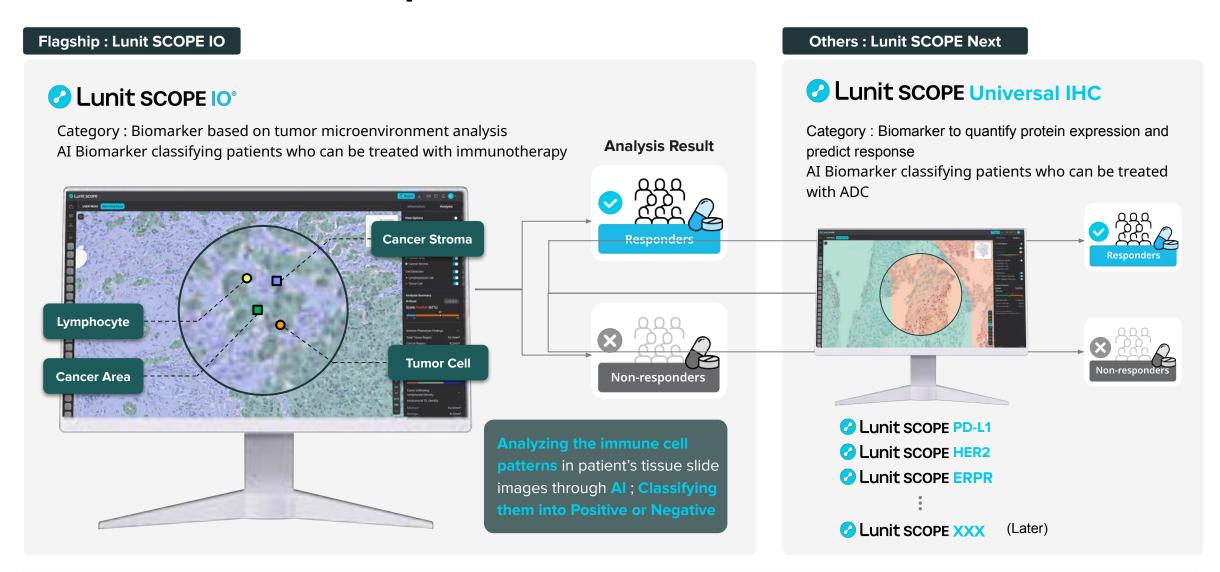
PD-L1 (2015~) MSI (2017~) TMB (2020~) Total 3



Optimized target for Lunit with

large-scale Al image processing technology

Next Generation Al-powered Biomarker

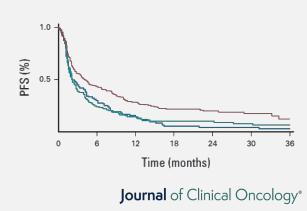


Accurately Identifies Patients Responsive to Immunotherapy

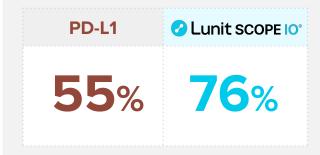
High Prediction of Response to Immunotherapy

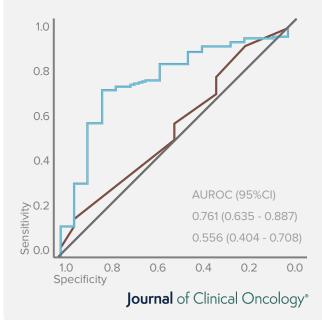
SCOPE Classificat ion	Immune Phenotype	mPFS (months)	HR (95% CI)
Positive	Inflamed	4.1	Ref
	Excluded	2.2	1.52
Negative	Desert	2.4	1.58

PFS	No.	ORR (%)	mPFS (95% CI)	HR (95% CI)	р
Inflamed	288	26.8	4.1 (2.8 to 6.2)	NA	NA
Immune- excluded	192	11.5	2.2 (2.0 to 2.8)	1.52 (1.23 to 1.88)	9.6 x 10 ⁻⁵
Immune- desert	98	11.2	2.4 (1.7 to 4.2)	1.58 (1.23 to 2.03)	4.1 x 10 ⁻⁴



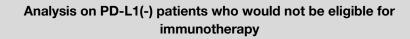
Accuracy Comparison Versus PD-L1 (already used biomarker)

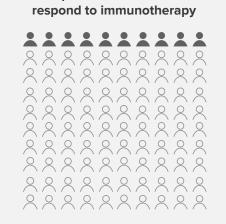




Patient Selection Comparison Versus TMB/MSI (already used biomarker)







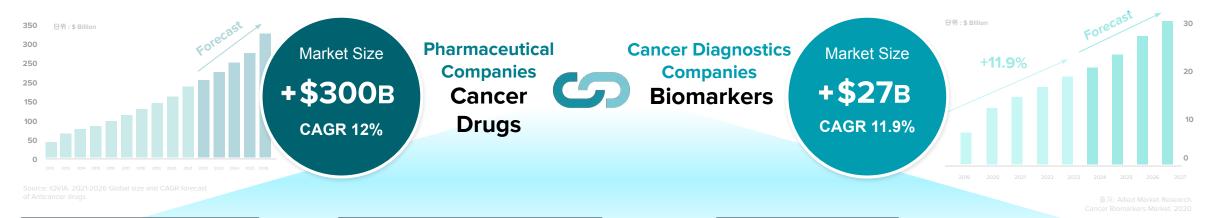
10% of patients are identified to

42% of patients are identified to respond to immunotherapy

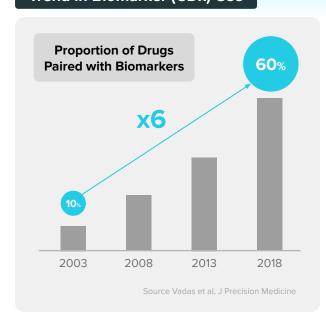


Lunit SCOPE Market

Use of Biomarkers Is Standard in Cancer Medical Treatment



Trend in Biomarker (CDx) Use



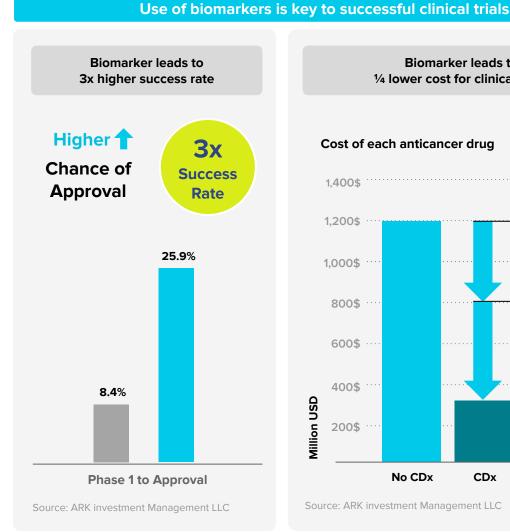
Global Cancer Drugs (solid-tumor)

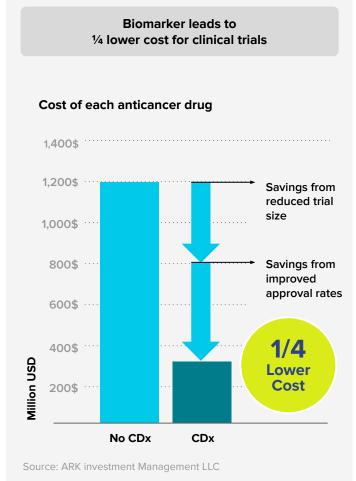
eve	nue Rankir	ıg		Uni
No	Drug	Pharma	Revenue 2022	FDA Approved Biomarker (CDx)
1	Keytruda	Merck	20.94	PD-L1, MSI, TMB
2	Opdivo	BMS	8.25	PD-L1
3	Tagrisso	Astra- Zeneca	5.44	EGFR
4	Ibrance	Pfizer	5.12	ER/PR
5	Perjeta	Roche	4.30	HER2
6	Tecentriq	Roche	3.91	PD-L1
7	Imfinzi	Astra- Zeneca	2.78	PD-L1
8	Lynparza	Astra- Zeneca	2.64	BRCA
9	Herceptin	Roche	2.25	HER2
10	Avastin	Roche	2.23	-

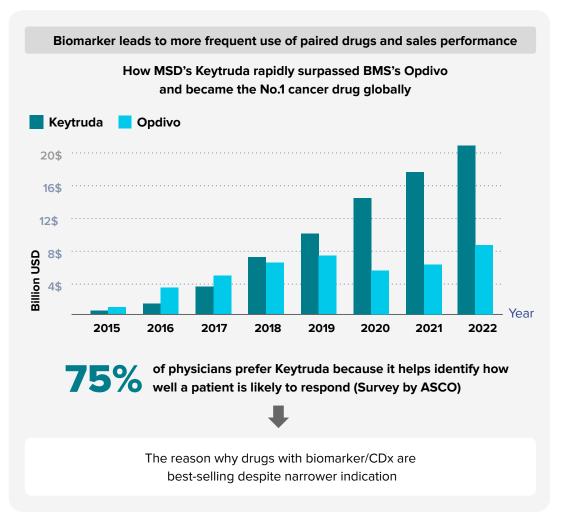
Successful CDx Cases

APPROVED	Case 1	Case 2	Case 3
Biomarker	EGFR	HER2	ТМВ
CDx Product	Tokan (Carl Mudalina Nat of Cohen	CDX FOUNDATION MEDICINE	CD _X FOUNDATION MEDICINE
Pairied Drugs	AstraZeneca 2	Roche	€ MERCK

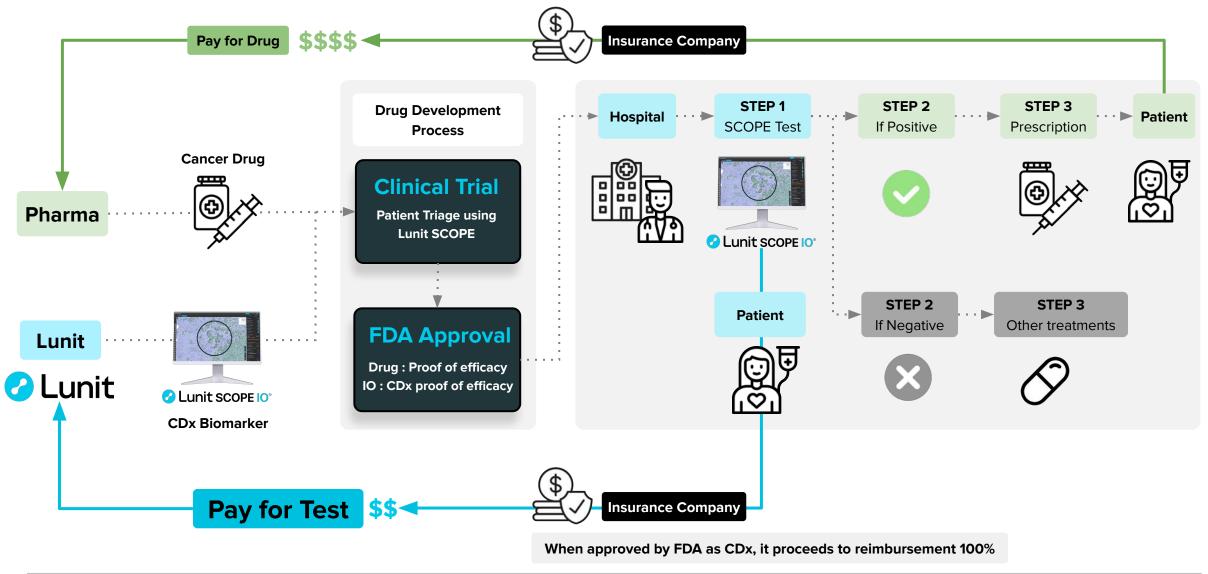
Why Pharma Actively Use Biomarkers (CDx)







Business Model Paired with pharma's drug, generating high sales by active testing before treatment



Proven to Be Effective in Pharma Clinical Trials

Monotherapy: 3x more responsive when using Lunit SCOPE IO Phase 1: "multiple cancer", anti-PD-(L)1 Inhibitor Group Ν ORR Anti-PD-(L)1 Pharma 32 21.9% All analyzed set 62.5% Lunit SCOPE(+) ✓ Lunit SCOPE IO° (25%) Lunit 24 Lunit SCOPE(-) 8.3% (75%)

+20 Global Big Pharma

Currently discussing research agreement/ collaboration with leading global pharmas

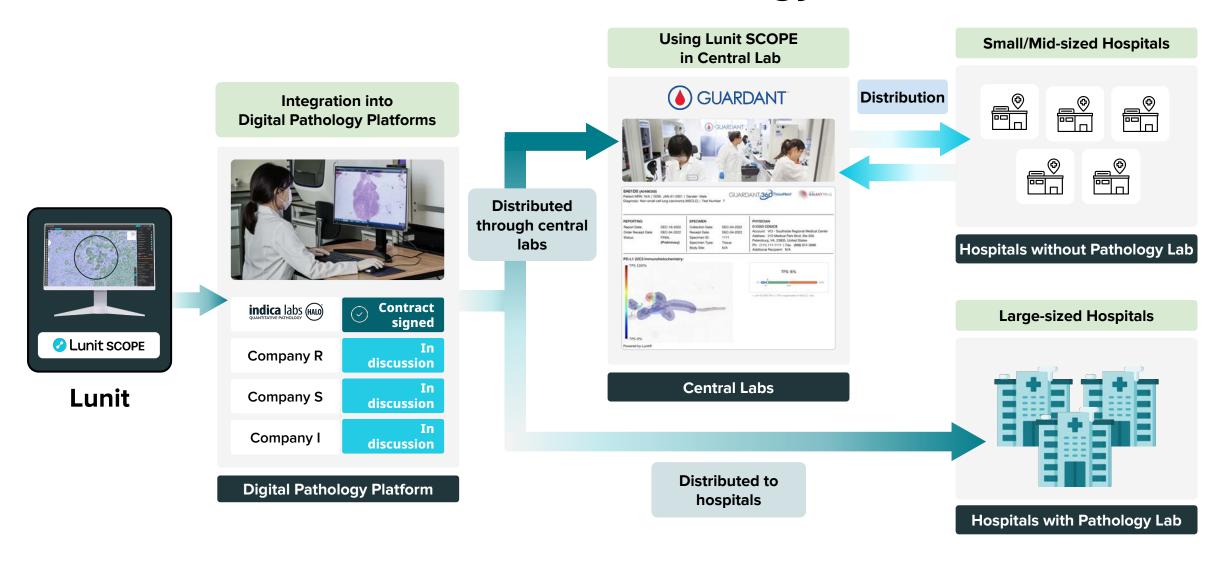
Combotherapy: 2x more responsive when using Lunit SCOPE IO							
Phase 1/2 : Colorectal cancer (MSS), TGF-beta Inhibitor + anti-PD-(L)1 Inhibitor							
	Group	N	ORR				
TGF-beta inhibitor Pharma	All analyzed set	31	12.9%				
Anti-PD-(L)1 Pharma	Lunit SCOPE(+)	16 (51.6%)	25.0%				
Lunit SCOPE 10°	Lunit SCOPE(-)	15 (48.4%)	0%				

Monotherapy : 2.6x more responsive when using Lunit SCOPE IO							
Phase 2: Rectal cancer, Chemoradiotherapy + anti-PD-(L)1 Inhibitor							
		Group	N	pCR			
Pharma	Anti-PD-(L)1	All analyzed set	38	28.9%			
∠ Lunit …	∠ Lunit SCOPE 10°	Lunit SCOPE(+)	8 (21%)	75.0%			
	·····>	Lunit SCOPE(-)	30 (79%)	16.7%			

Combotherapy: 1.6x higher PFS when using Lunit SCOPE IO						
Phase 2 : Nasopharyngeal cancer, Chemotherapy + anti-PD-(L)1 Inhibitor						
Pharma	Anti-PD-(L)1	Group	N	PFS rate (%)		
	Chamatharany	All analyzed set	24	32.2%		
Chemotherapy Chemotherapy Lunit SCOPE 10°	Lunit SCOPE(+)	12 (50%)	52.1 %	1		
	Lunit SCOPE IO°	Lunit SCOPE(-)	12 (50%)	0%		

29

Lunit SCOPE Commercialization Strategy





Company Overview Lunit INSIGHT Lunit SCOPE Our Future Appen

2025 -

Commercialization Roadmap

Biopharma Collaboration

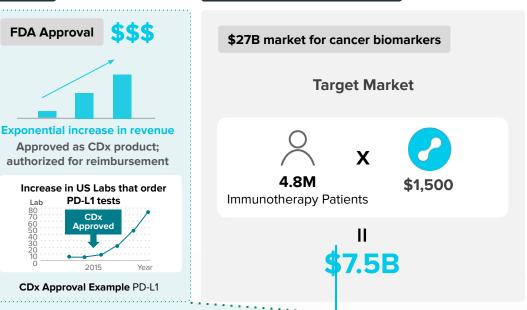
Paired as biomarker for new drug development

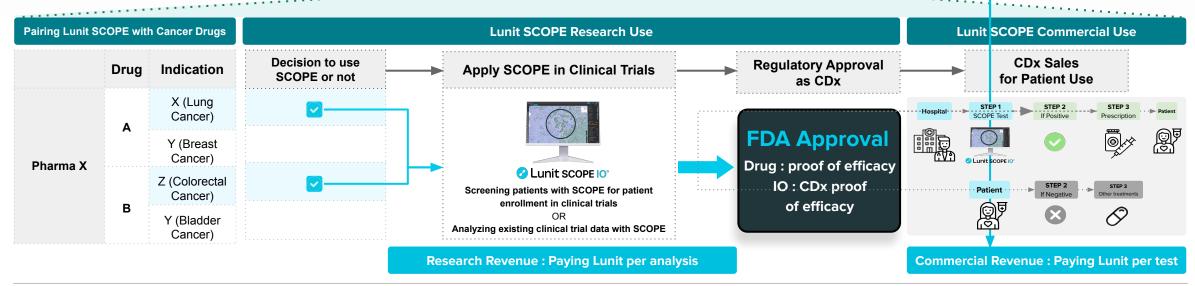
clinical trials

2021 -

Early Revenue (RUO Sales) Clinical collaborations with big pharma to generate research revenue E.g.) Guardant Health 2019 Revenue \$214M 100% RUO sales Queen to be a controlled to b

Lunit SCOPE IO Market





Lunit 2023 INVESTOR RELATIONS

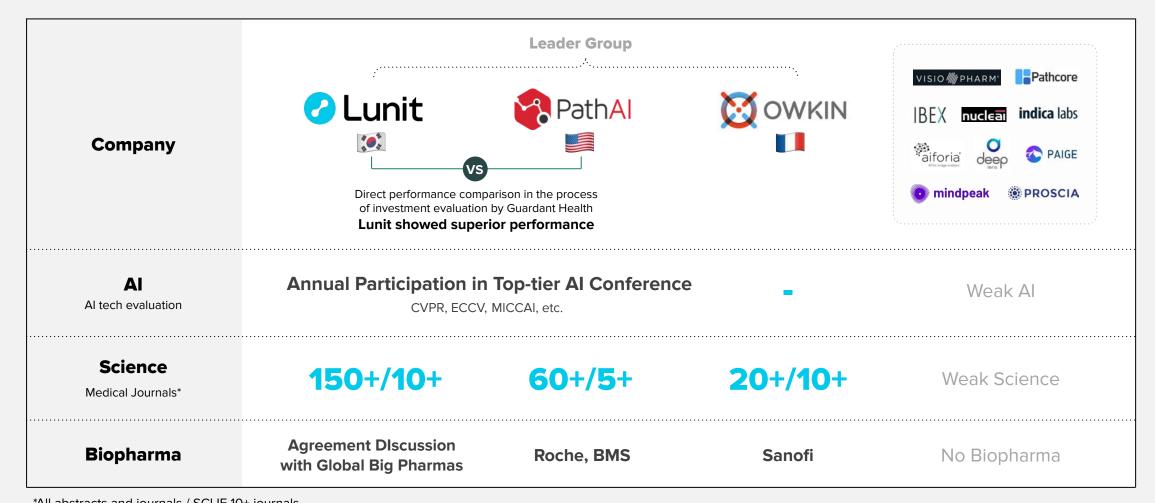
2017 -

Product Development

Lunit SCOPE®

Lunit SCOPE Business

Leading with Advanced Tech, Research, and Collaboration



*All abstracts and journals / SCI IF 10+ journals

Al-powered "Comprehensive Histophenomic Profiling"

1940 -

1st Generation Chemotherapy 2000 -

2nd Generation **Targeted Therapy**

2015 -

3rd Generation Immunotherapy 2025 -

4th Generation Antibody-drug Conjugate (ADC)

CGP (Comprehensive Genomic Profiling)



- Comprehensive NGS-based biomarker panel mainly focusing on targeted therapy
- Accurate but slow (2² weeks)

HER2 (ERBB2) amplification or overexpression

BRCA1/2 mutation

ALK fusion

ROS1 fusion

EGFR mutation

KRAS mutation

MET exon-skipping

NTRK fusion

FGFR2 fusion

RET fusion

Matched Drug

Tagrisso, Iressa, ..

Enhertu, Perjeta, Herceptin, ...

Lynparza, Nerlynx, Rubraca, Talzenna,

Alecensa, Zykadia, Alunbrig, Xalkori, ...

Lumakras, Krazati, ...

Rozlytrek, Xalkori, ...

Tabrecta, Tepmetko, ..

Vitrakvi, Rozlytrek, ...

Lytgobi, Truseltiq, ...

Retevmo....

CHP (Comprehensive Histophenomic Profiling)



Lunit SCOPE®

- Comprehensive tissue-based biomarker panel → Lunit's new approach
- Comprehensive and fast (<3 days)

Test Result

Lunit SCOPE IO (Inflamed)

Lunit SCOPE PD-L1 (Inflamed)

Lunit SCOPE IO (Immune-Excluded, Fibroblast)

Lunit SCOPE IO (Macrophage) Lunit SCOPE IO (Blood Vessel)

Lunit SCOPE HER2

Lunit SCOPE uIHC - TROP2

Lunit SCOPE uIHC - ROR1

Lunit SCOPE uIHC - PSMA

Lunit SCOPE uIHC

Matched Drug (example)

anti-PD-(L)1 +/- anti-CTLA4

anti-PD-(L)1 +/- anti-CTLA4

anti-PD-(L)1 + anti-TGFB

anti-PD-(L)1 + IL7-agonist Chemotherapy + IL7-agonist

anti-PD-(L)1 + Macrophage-modulators

anti-PD-(L)1 + anti-VEGF

anti-HER2 ADCs

anti-TROP2 ADC

anti-ROR1 ADCs PSMA-targeted PET

Novel Target ADCs

Lunit SCOPE will become a widely used biomarker panel for immunotherapy and ADCs



Our Future

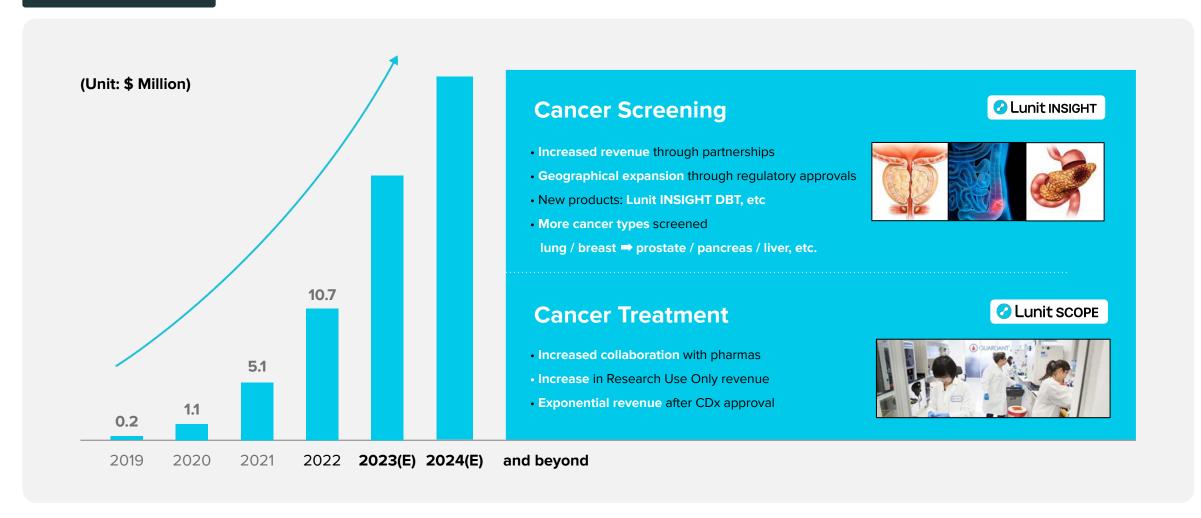
2023 INVESTOR RELATIONS



Future Plans

Short-Term Business Expansion

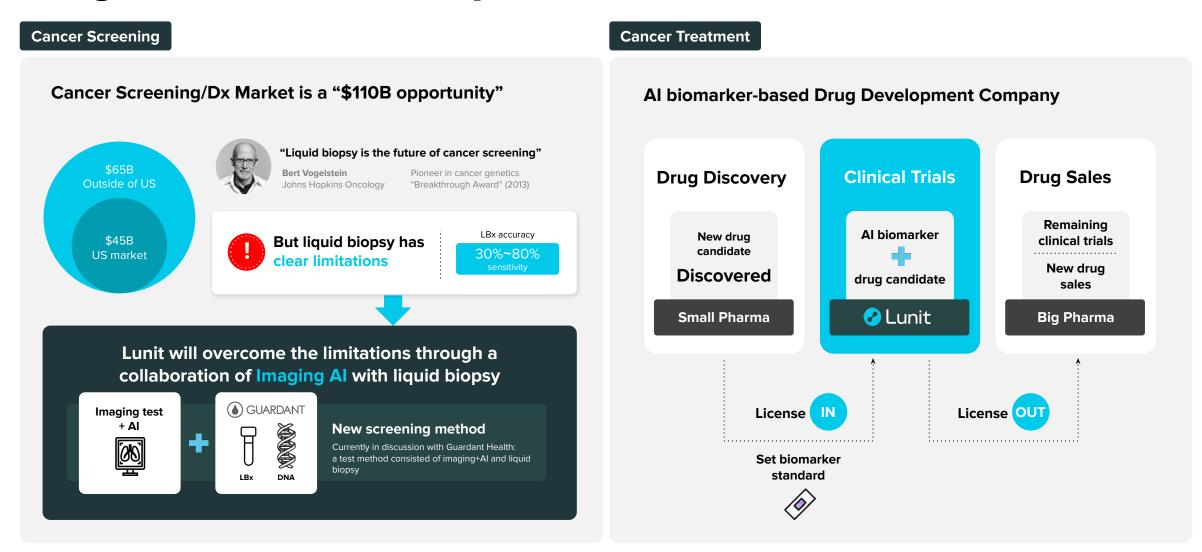
Lunit Revenue Growth





Company Overview Lunit INSIGHT Lunit SCOPE Our Future Append

Long-Term Business Expansion



Conquer Cancer through Al-Based Personalized Medicine

Al is bound to become the future of medicine

Lunit will become a global standard in the entire cancer care journey





THANK YOU

