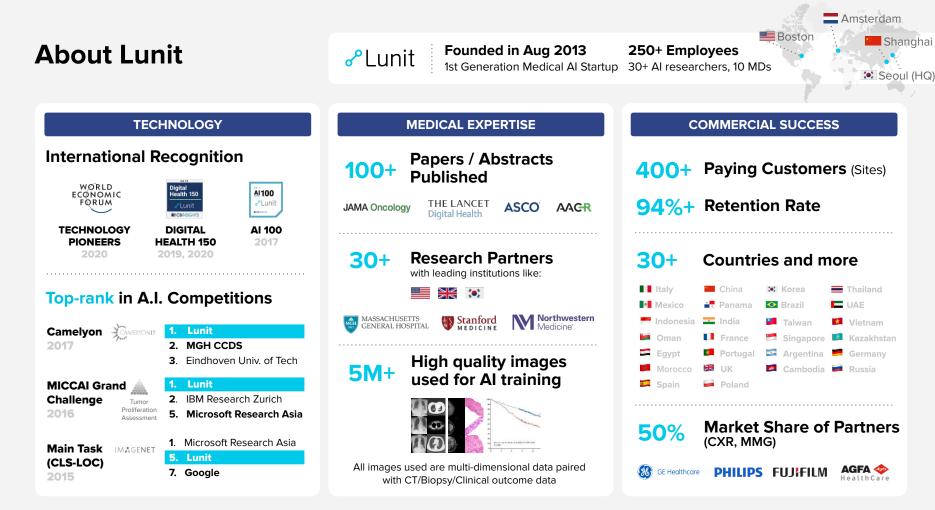


Conquer Cancer through A.I.



How We Conquer Cancer through AI

PROBLEM SOLUTION False Negative FN 30%_{1,2)} Chest X-ray, Mammography **False Positive** FP 95% Mammography Medical imaging Annual Growth Radiologists 4% Annual Increase Spent on **\$200B** Cancer Drugs Globally per Year Chest X-rav Average 25% Response Rate Cancer Drugs

Cancer Screening Lunit INSIGHT 50% more patients can be Diagnosed Earlier

Diagnostic Biomarker



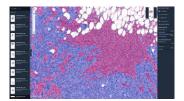


Chest CT

The AI works as a diagnostic biomarker that detects early-stage cancer and other findings from existing imaging methods

Cancer Treatment Lunit SCOPE

50% more patients Identified for Immunotherapy



Therapeutic Biomarker



The AI works as a therapeutic biomarker that provides therapy response information that can critically affect treatment outcome of cancer patients GOAL

1) NLST trial, NEJM 2012 2) Breast Cancer Screening Consortium data 3) China Market INSIGHT 健康界 (China)

4) China Market INSIGHT 健康界 (China) 5) Global Oncology/Cancer Drugs Market 2018-2025, Allied Market Research 6) End-of-Life Physician Education Resource Center

Cancer Screening

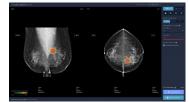
Improving Diagnostics with AI

Our Proprietary Al Solutions for Radiology

- ✓ 96%-99% accuracy detection of abnormalities
- ✓ Localization of detected findings
- ✓ Abnormal score of detected findings



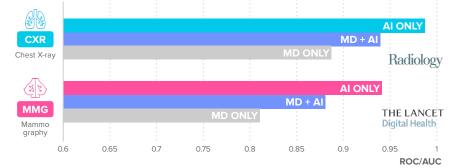
Detects lung cancer & 9 other findings



Detects breast cancer

Clinical Validation

- Our Al has shown very high performance level (even higher than the highest-level experts)
- Our Al significantly helps users in terms of diagnostic accuracy and workflow efficiency



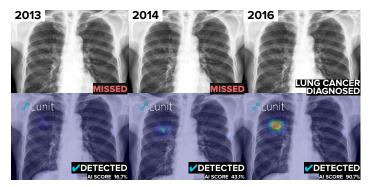
Proposition Clinical kïıl Outcome 20% Detection rate Earlier Dx of diseases Cost 6 Reduction **EB** 40% **V** Reading time 30% - Recall rate (MMG) Patient Experience Faster Turnaround time

Overall Value

Increase Detection Accuracy: Potential for Early Diagnosis of Cancer



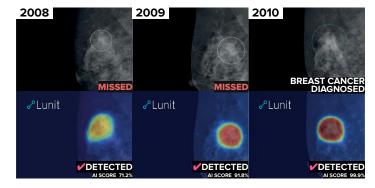
of lung cancer patients can be diagnosed
 earlier with Lunit INSIGHT CXR



Lunit INSIGHT successfully analyzed the chest x-ray image of a 54-year-old male patient, detecting lung cancer that had been missed since 3 years ago.

tions	WHEN DETECTED EARLY BY AI	STAGE 1 - 2	 		73 %	5-year survival
ica						
ldml	WHEN MISSED	STAGE 3 - 4	 ••	•••	 18%	5-year survival

40% of breast cancer patients can be diagnosed earlier with Lunit INSIGHT MMG



Lunit INSIGHT successfully analyzed the mammogram of a 59-year-old female patient, detecting breast cancer that had been missed since 2 years ago.

tions	WHEN DETECTED EARLY BY AI	STAGE 1 - 2	* *		* * *	* * *	96%	5-year survival
ica								
lmpl	WHEN MISSED	STAGE 3 - 4		• •		•••	65%	5-year survival

Scaling Out Globally with Medical Device Giants



We're the only AI startup doing this...

Partners Distribution with market giants

Market Share

50%



PHILIPS

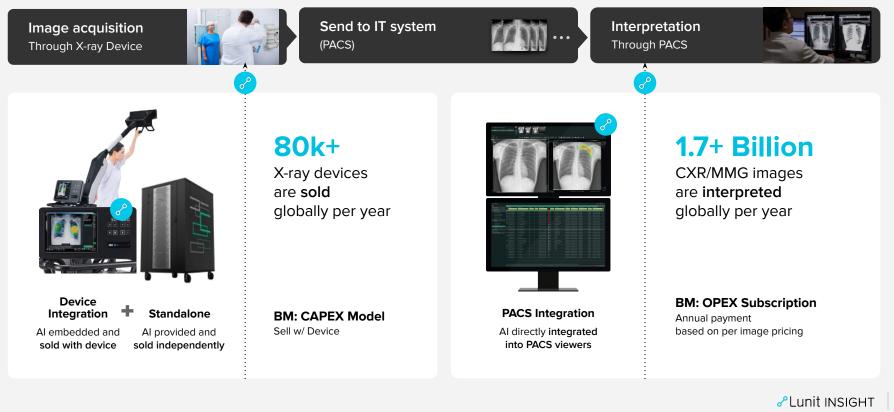
AGFA 🍻 HealthCare

SECTRA

+ Hospital +Hospital AI AI + Hospital **GE Healthcare** + Hospital FUJIFILM AI AI + Hospital + Hospital

How We Partner & Integrate with Medical Device Giants

Workflow of medical imaging & How AI can be applied



Initial Success in Commercialization: From Korea to 30+ Countries

'7 out of 10' Top 10 Tertiary Hospitals in Korea

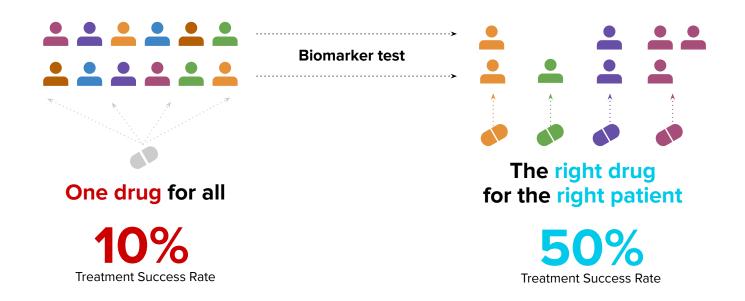
Currently use Lunit insight in actual clinical practice:





Cancer Treatment

Key for Effective Cancer Treatment Is Personalized Therapy



Patients Respond Differently to Specific Treatment Knowing Who Responds to What Treatment Is Key

Tissue Data + AI = Highly Accurate Biomarker for Immunotherapy

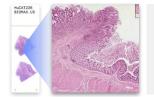
Immunotherapy

Drug Target: Immune cells to activate their cancer killing activity

Biomarker

PD-L1 (currently SoC) (but accuracy is very low)

Focuses on **boosting the Immune cell** to kill cancer cell.

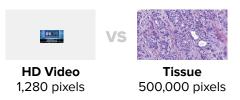


Key : Tissue Data

Why Tissue Data?

Need to understand complex pattern of **immune cells surrounding the tumor** to predict response to immunotherapy (DNA/RNA sequencing data has limited predictive value for immunotherapy)

The Complexity of Tissue Data



The Importance of AI

It is impossible to analyze with human eye



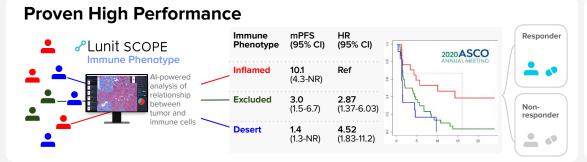
1000+ features intertwined



Pioneer & Conquer "Tissue Phenomics"



Lunit SCOPE IO: Prediction of Immune Checkpoint Inhibitor Response

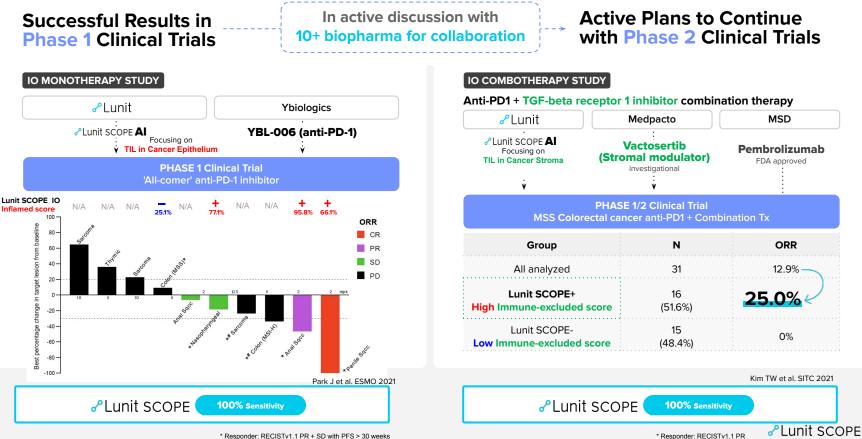


Lunit SCOPE vs PD-L1 & TMB

	PD-L1 ≥ 50%	TMB > 10/Mb	Lunit SCOPE		
PPV*	0.511	0.525	0.580		
NPV*	0.673	0.666	0.777		
Accuracy	0.605	0.620	0.691		
*PPV: Positive Predictive Value *NPV: Negative Predictive Value					

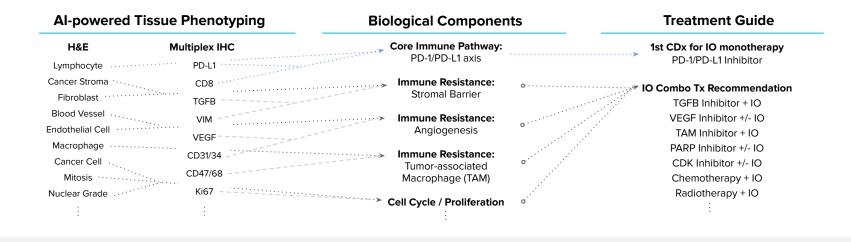
Positive Predictive Value 14.8% Patients 2019 ASCO (9 of 61) ANNUAL MEETING 36.5% PD-L1 42% Patients eligible for ICI (19 of 52) Numb 51.6% 35 (16 of 31) PD-L1 + AI PD-L1 ΔΙ 88.2% VS VS 49% 65% 88% (15 of 17) 18 +50% responder identification 0 PD-L1+ PD-L1-PD-L1+ PD-L1-PD-I1 mPFS 62% Patients eligible for ICI 12.3 5.2 2.1 1.5 + (Months) ΑΙ Responder Non-responder

Proven to Be Effective in Biopharma Clinical Trials as Biomarker



^{*} Responder: RECISTv1.1 PR + SD with PFS > 30 weeks

Next: Al-powered Tissue-based Biomarker Panel for Cancer Therapy





NGS-based Biomarker Panel for Targeted Therapy

Test Result	Matched Drug	Positive% in NSCLC	Positive% in Pan-cancer
NTRK translocation*	NTRK inh.	<1%	<0.1%
EGFR mutation	NTRK inh.	40%	Not applicable
ALK translocation	ALK inh.	5%	Not applicable

Tissue-based	Biomarker Panel for IO The	erapy
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	Test Result	Matched Drug	Positive% in NSCLC	Positive% in Pan-cancer
	Lunit SCOPE IO+	anti-PD(L)1	30%	25%**
we ment	Lunit SCOPE Stroma+	anti-PD(L)1 + anti-TGFB	30%**	25%**
LASSIN FLOW	Lunit SCOPE TAM+	anti-PD(L)1 + anti-TAM	10%**	10%**

** Estimation from in-house database

Established Distribution Channel Ready for Commercialization



Guardant Health?

World No.1 in liquid biopsy, expanding into other areas of oncology Covers 75%+ of US oncologists In active collaboration with 70+ major biopharma companies NASDAQ since 2018: GH (market cap \$13B, July 2021) 2021 revenue: \$350M+ (expected)



Major shareholder of Lunit since July 2021 including business collaboration agreement

Thank You!