

ProSight at a Glance

•	Clinical Impact Achievable Goal	Double Cancer Detection Rate & Accuracy of Regular Prostate Biopsy Become Standard of Care in a \$10Bn market
	Technologies Involved	Deep Tech: Cancer Biomarkers • X-Ray Fluorescence (XRF) • Cancer Biopsy & Diagnosis • Al-enhanced Algorithms • Cloud Cyber Security
	IP	Granted (2015) • Pending (2021) • More Planned
	Status	Clinical Proof of Concept • Learning set: 600 patients • Initial validation set: 20 patients • 320 samples • 4,000 independent 1 mm voxels
	Regulatory path	510(k) FDA Submission - 12 months
	Development Plan	ProSight 1.0 – Malignancy Imager Launch - 18 months ProSight 2.0 – Real-time XRF- Guided Biopsy - 27 months
	Founders	Avi Simon; Dr. Meir Weksler; Yeda (WIS); WIS Scientists
	Money injection to date	\$M 5.7
	Current round & Use of Proceeds	\$11.5M (realistic prospects for 35% non-diluting funding) • Product development - \$M 4 • Clinical study - \$M 2 • Regulatory process, launch, market adoption, reimbursement code - \$M 5.5

Need: Biopsy Accuracy is Key for Adequate Treatment

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Current Biopsy methods are INACCURATE

Systematic • Random (blind) → 30% False Neg → Repeat Biopsies

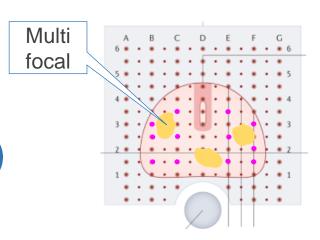
MRI-guided • Inaccurate ROI Definition • Benign Overlap (False Pos)

UNCERTAINTY

Under-detection of significant cancer Over-detection of insignificant cancer

UNCERTAINTY

Over / Under Treatment Limits Tailored Treatment



Current Standard of Care

Screening • PSA, DRE

Needle Biopsy • 12 samples

Histopatholgy • grading & staging

Genomic tests • Optional

Risk Stratification • 6 risk groups

Treatment • 3 main options

Solution: ProSight - from Science to Clinical Use/Impact

PROSIGHT

Science 2 Zinc depletion

*Best known

biomarker

Innovative technology

Real-time scan PROSIGHT of biopsy samples

- ** XRF-scan for Zinc
- Normalize to patient

Clinical Use

Maximize Detection Rate & Characterization Accuracy

- Guide to suspicious regions
- Most relevant samples harvested

Clinical Impact

Minimizing

- Over-Treatment
- Under-Treatment
- Metastasis

Reducing

- Morbidity
- Mortality
- Costs

Circumventing MRI-bottleneck

ProSight = High Detection Rate + Accurate Risk Stratification = Tailored Treatment Options

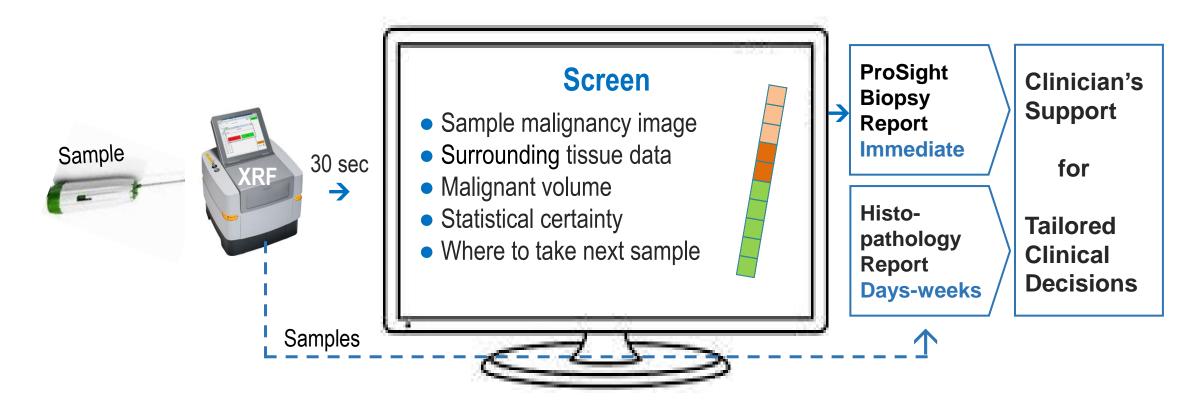
* 1885 studies reported on Zn as prostate cancer biomarker:

Zaichik V., Biol Trace Elem Res. 2021, 199(10):3593-3607. doi: 10.1007/s12011-020-02495-z.

** XRF – X-Ray Fluorescence - Nondestructive method - used in medicine

ProSight's Workflow-Neutral Clinical Flow

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Bottom Line: Clinical Validation vs Pathology at Ichilov Study Qualifies ProSight for Real-Time Biopsy Guidance

	Biopsy information	Left		Sample malig-		Center-Left		CenterRight		Sample malig-		Right	
Row		Pathology	Prosight		ncy age	Pathology	Prosight	Pathology	Prosight	nancy image		Pathology	Prosight
	Grade	GG1	GG1			Neg	Neg	Neg	Neg			GG1	GG1
1	% malignant	75%	67%			NA	NA	NA	NA			20%	14%
	Tissue type	SGH	SGH			SGH	SGH+MCI	SGH	SGH			SGH	SGH
	Grade	GG1	GG1			Neg	Neg	GG1	GG1			Neg	Neg
2	% malignant	65%	71%			NA	NA	40%	57%			NA	NA
	Tissue type	SGH	SGH			SGH	SGH+MCI	SGH	SGH			SGH	SGH
	Grade	GG1	GG1			GG1	GG1	Neg	Neg			Neg	Neg
3	% malignant	85%	75%			2%	10%	NA	NA			NA	NA
	Tissue type	SGH	SGH			SGH	GH SGH SGH+MCI	SGH	SGH				
	Grade	GG1	GG1			GG1	GG1	GG1	GG2			Neg	Neg
4	% malignant	2%	10%			5%	14%	40%	50%			NA	NA
	Tissue type	SGH	SGH			SGH	SGH	SGH	SGH			SGH	SGH
		Leis	sion / pixel	lege	end:	Benign	g3	g4	* MCI				
* Note that MCI is always in the vicinity of positive samples - as predicted in the literature													

Samples "Voxelized" sample Sample Level Lesion in Sample Grade Group Gleason Score Gleason Pattern g3+g3 GG1 GG2 g3+g4 g4+g3 GG3 4+4, 3+5, 5+3 GG4 8 GG5 4+5, 5+4, 5+5 9 or 10

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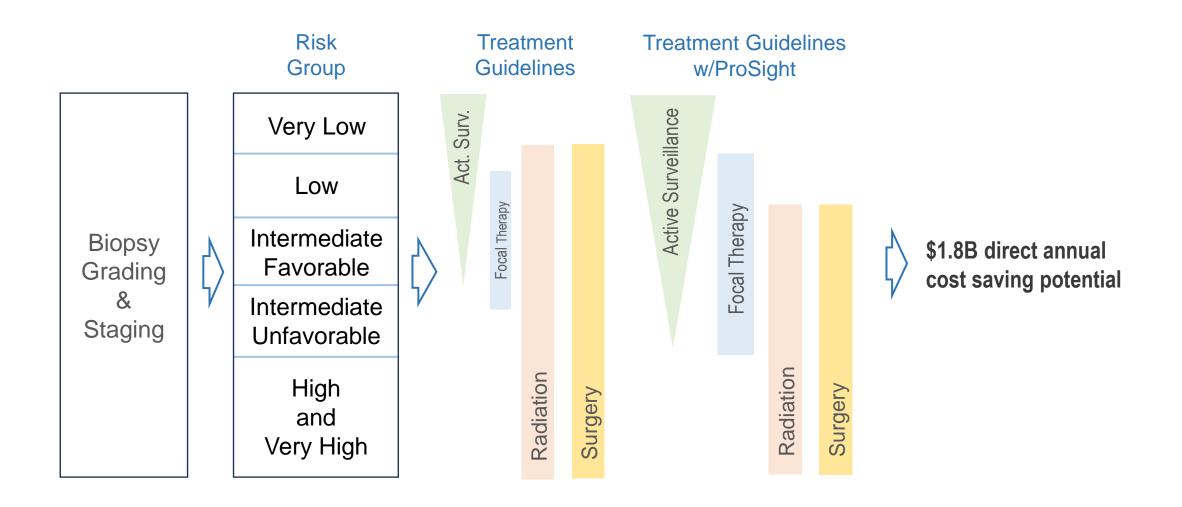
CR R

Study Metrics	Prostate Level	Sample Level		
Sensitivity	100%	89%		
Specificity	96%	98%		
Accuracy	97%	96%		
FN	0%	2.2%		
FP	2.5%	1.3%		

note that wich is always in the vicinity of positive samples - as predicted in the literature

Clinical Relevance

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Clinical Decisions

Potential Implications on Clinical Decisions

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Impacting

Sampling quality & characterization accuracy **OF ALL BIOPSIES**:

Systematic Biopsy (ultrasound-based)

Reduce false negative
 Increase positive yield
 Reduce repeat biopsies

MRI-guided Biopsies

Reduce false positive
 Minimize benign overlap
 Improve accuracy of ROI definition

Reduce overtreatment

- Support more Active Surveillance
- Decide whether to send samples for genomic tests (sharply discriminate G2-G3)

Personalize treatment

- Improve candidate selection for Focal Therapy
- Support decision of lymph node removal based on personal nomograms

Time next biopsy

- Extend intervals between biopsies (Fibro-muscular tissue dominance)
- Pull-in next biopsy (Glandular tissue dominance -> Possible reclassification)

Competitive Landscape

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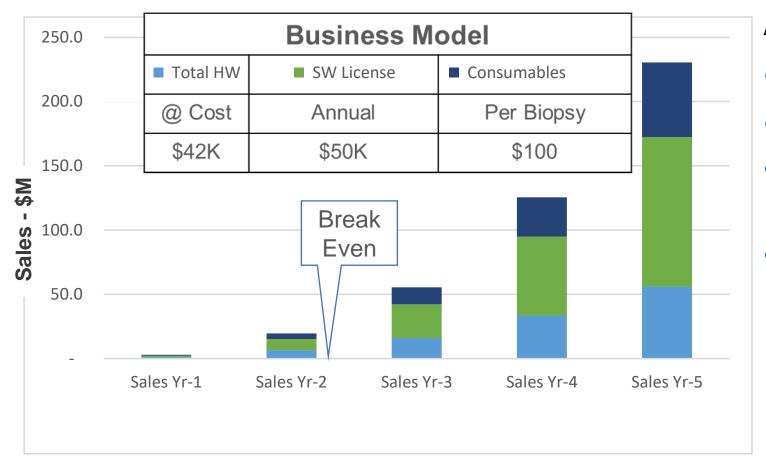
Biopsy → Risk Startification → Treatment Decisions Support										
Biopsy Modality	Strenght	Weakness	Players	Mrk. Size						
*Systematic	Standard	Random, 30% FN	Commodity	\$10B						
*MRI-US Fusion	Percieved High Standard	Inaccurate ROI definition	Eigen, Siemens	ΨΙΟΟ						
*Office MRI (23)	MRI replacing US	Same as MRI, expensive	Promaxo	New.						
*μ-US-Guided	MRI equivalent?	Difficult analysis	Exact Imaging	TBD						
Genomic Tests	Doubtful Cases	Expensive, biopsy based	Genomic Health	\$3B						

FN: false negative; FP: false positive; NPV: negative predictive value

^{*} Verbal readiness to collaborate – one LOI signed

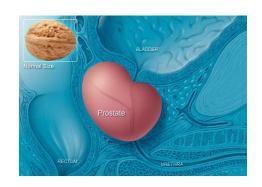
Business Model & Sales

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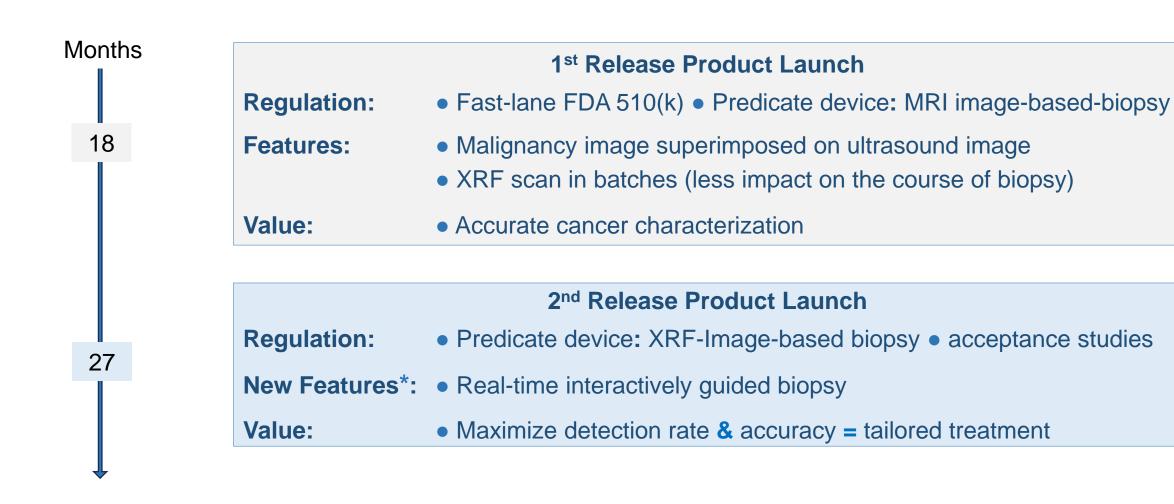
Assumptions

- 500 biopsies/year/site
- \$350 reimbursement
- = Clinic ROI: 1Yr
- Sales start end of 2nd Yr,
 upon completion of 1st release
- 2nd release in sales Yr 2



Roadmap - 1st two Releases

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^{*} Full list of features will be released in the 3rd release (36 months)

ABOUT THE FOUNDERS

Roles (startups & corporates): R&D; mass production; Division GM; Chief Marketing Officer; CEO; M&As; Chairman in several startups; consultancy for medical devices. **Projects**: military electro-optics; 1st local space telescope; multi-M\$ inspection for semiconductor industry; large-format digital printing; X1K faster electron microscopy. **Companies**: El-Op; Orbot (M&A - AMAT); Indigo-HP; Jemtex (M&A - Scitex); Opal, Applied Materials; IBEX.





Avi Simon
CEO, Co-Founder
Mech. Eng.; MBA
courses – Harvard;

Accomplished Sculptor



CTO, Co-Founder
PhD (Physics), Weizmann
Institute of Science;
Accomplished Poet

Dr. Meir Weksler



Dr. Einat Zisman

Business Development

2 decades In Health-Med. CEO, Tissue
Dynamics; CEO, FutuRx - Biotech
Incubator; CEO - Hadasit (TTO of
Hadassah MC); Chief Business Officer Yeda (TTO of WIS). MBA-USC, Ph.D.WIS, B.Pharm – Hebrew University



Former Head of Urology Dpt., Meir MC; Ass. Prof. of Surgery, Tel Aviv Univ., Sackler School of Medicine; former Chief of the Oncological Urology Service, Dpt. of Urology, Sheba MC; former president of the Israeli Urological Association



Prof. Robert Lenkinski

MRI expert in PCa

Former - Vice Chairman of Research, Radiology, CPRIT Scholar and Cancer Research - South-Western, MC, Dallas



Dr. Hagar Landsman

Scientist - Data Mng.

Scientist at the Weizmann
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John Smith, M.D., J.D.

Regulatory Counsel

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Roy Daya

Al Advisor

Al expert with over 10 years of experience in developing SW and HW Al-based products for global markets



Dr. Eddie Friedman

Medical Advisor

Head, Uro-Pathology, Sheba MC



Prof. Amos Breskin

Scientific Advisor

The 1st project leader – Weizmann Institute of Science



A one-stop-shop clinical routine that translates the most direct PCa biomarker, into a single, accurate, workflow-neutral method for assessing PCa aggressiveness, stratifying individual risk and offering tailored treatment recommendations.

POTENTIALLY THE NEXT STADARD OF CARE



Thank You

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