



NEURAL VISION

Digitizing Eye Care

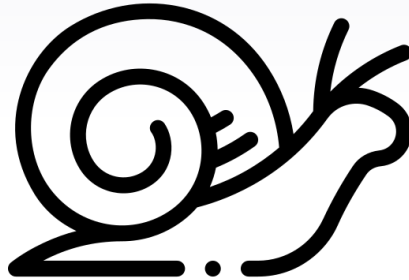
# Slit Lamp



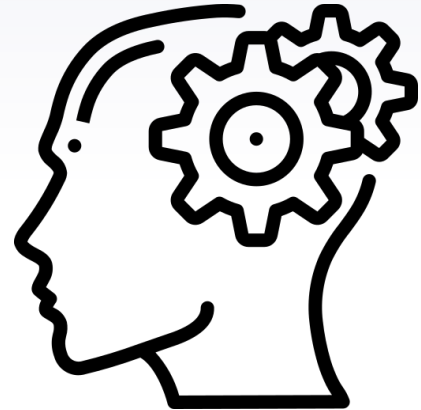
# Slit Lamp



Operator-  
Dependent



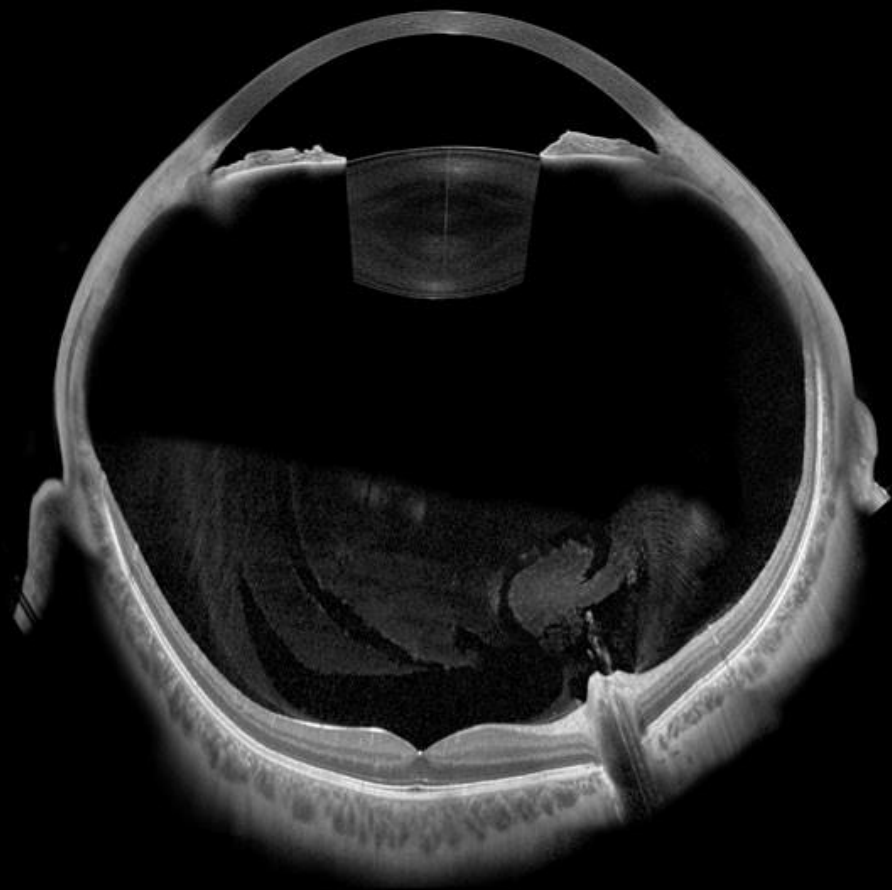
Time  
Consuming

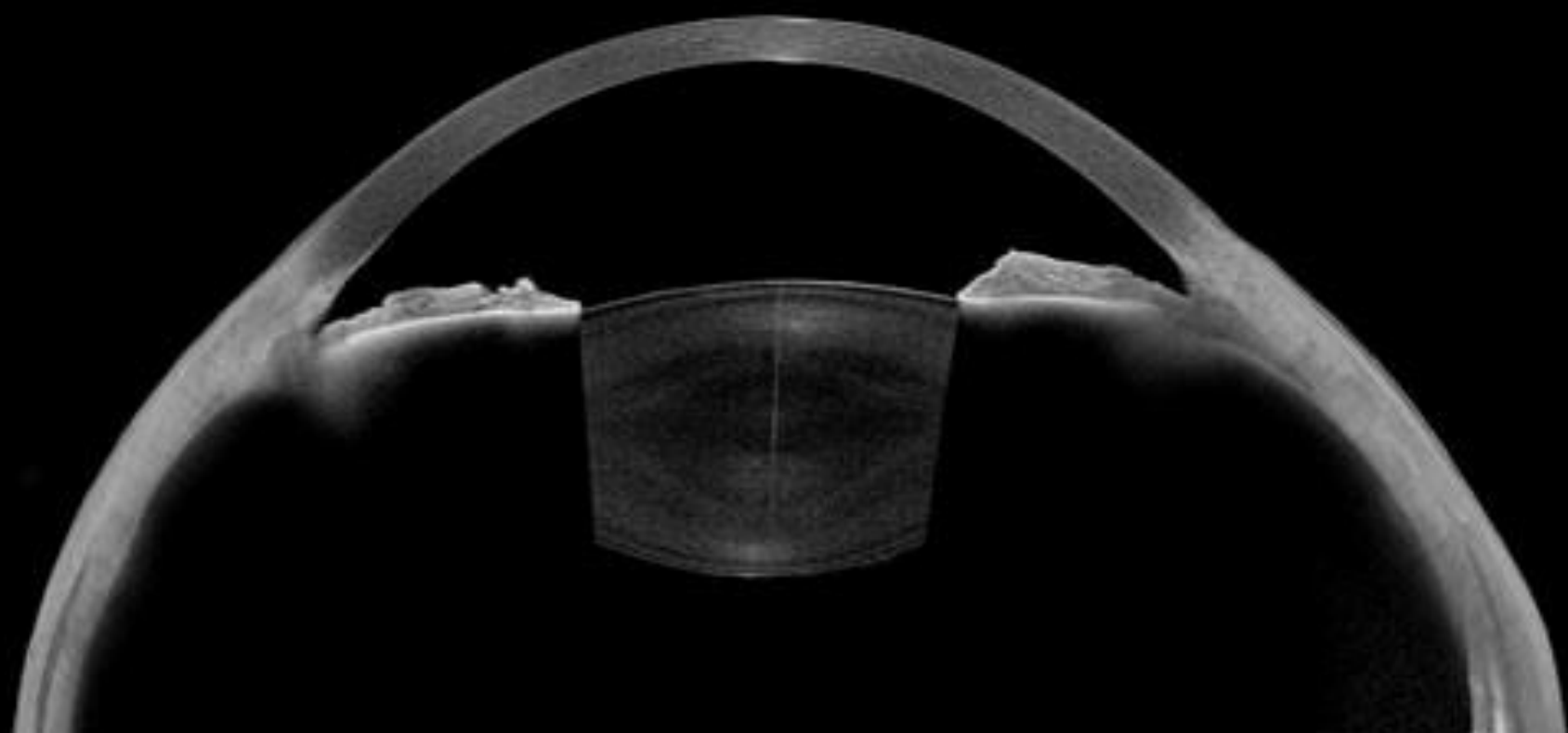


Requires  
expertise

# ▶ OCT







# OCT



Contactless



Quick



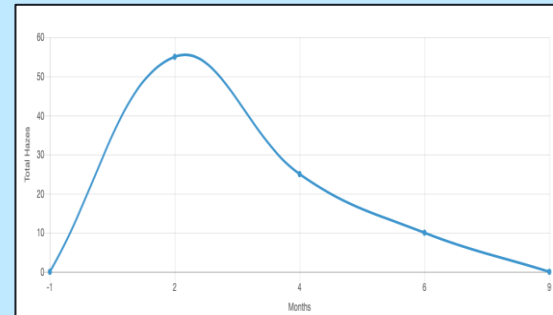
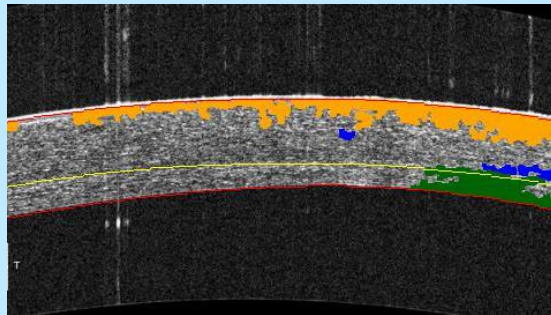
Laborious to read  
& interpret

# NeuralVision

Introducing AI on AS-OCT



1. Eye Scan



2. Scan Analysis and Report



# ► NeuralVision



Detect Diseases



Identify 12 Surgeries



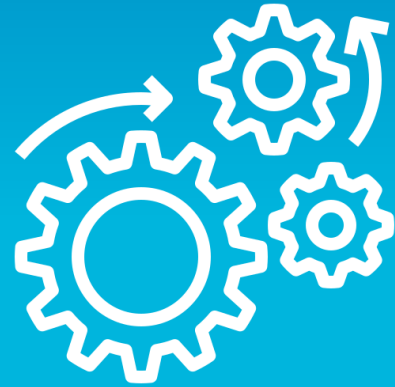
Surgery Post-Operative  
Assessment



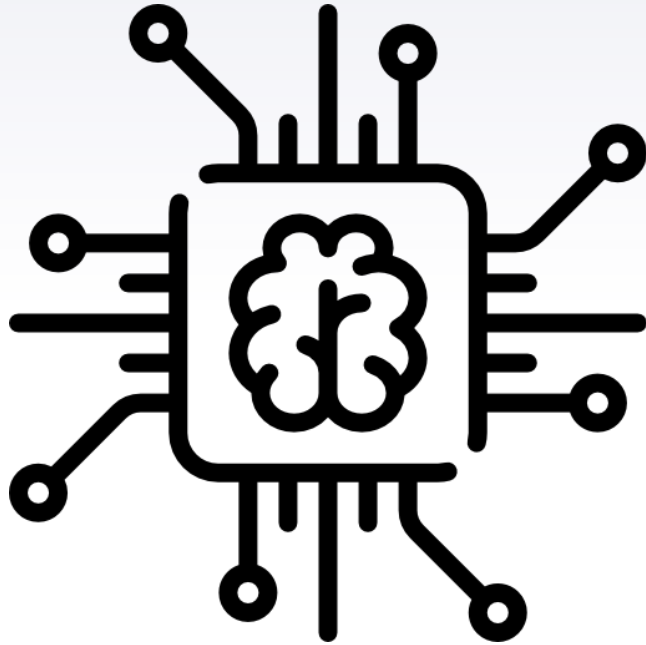
Accurate  
(*> 90%*)



Fast  
(*1s*)



Automated



**Save  
10-15 Hours /  
month**

**~360M\$**

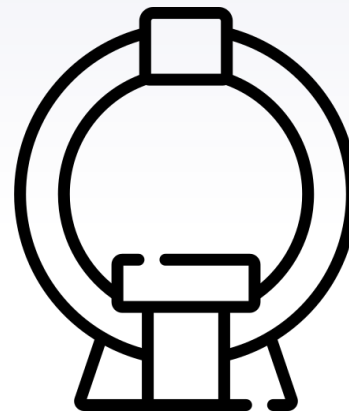
# Market Segments



Clinicians



Researchers



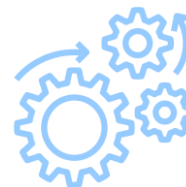
OCT Companies



*"Accurate"*



*"Fast"*



*"Automated"*

# Business Model

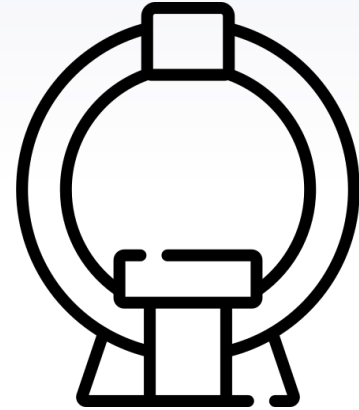
## License



Clinicians



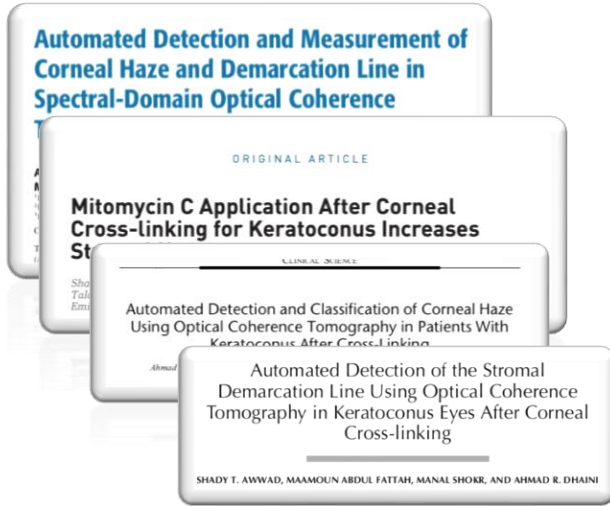
Researchers



OCT  
Companies

1\$/scan

# Traction



## Publications

Tested and Peer Reviewed



National Council for Scientific Research

## (12) United States Patent Dhaini et al.

- (54) **SYSTEM AND METHOD FOR AUTOMATED DETECTION AND MEASUREMENT OF CORNEAL HAZE AND DEMARCATION LINE IN OPTICAL COHERENCE TOMOGRAPHY IMAGES**
- (71) Applicant: **American University of Beirut, Beirut (LB)**
- (72) Inventors: **Ahmad R. Dhaini, Quebec (CA); Sarah Maria El Oud, Beirut (LB); Shady Awwad, Beirut (LB); Maamoun Abdul Fattah, Beirut (LB); Manal Chokr, Beirut (LB)**

## Grants

## Patent

US/EU



# Traction



## R&D Agreement

Largest **OCT Manufacturer** with **35% market share**

**\$2,100,000,000**

OCT Imaging Per Year

**10% CAGR**

Annual Growth

**30,000,000**

Scans per Year





# OCT Market

## Retina

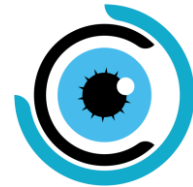


**25,000,000**

Scans per Year



## Cornea



OCT ANALYSIS

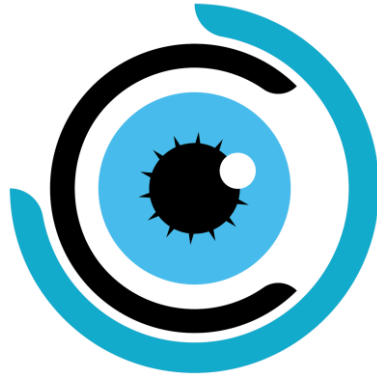
**5,000,000**

Scans per Year

# OCT Market



**Cornea**




OCT ANALYSIS

**10X by 2027**

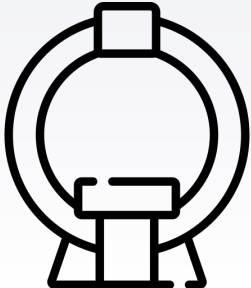
**5,000,000** Scans per Year → **50,000,000** Scans per Year

# Yearly Revenue




**10,000** scans

×



**400** OCT

=

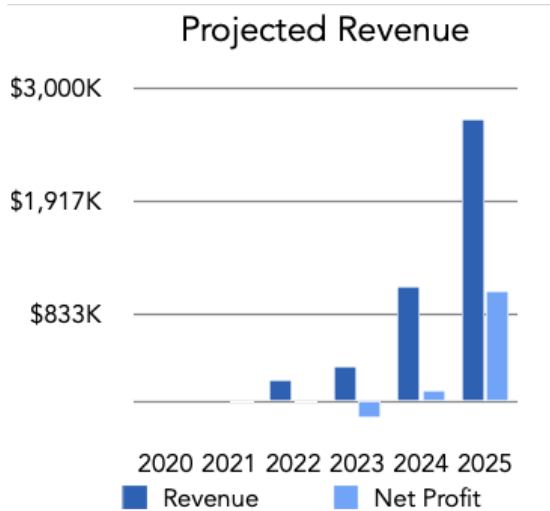


**\$4M**  
Per Year

1\$/ scan

The diagram illustrates the calculation of yearly revenue. It shows that 10,000 scans multiplied by 400 OCT (Optical Coherence Tomography) scans per year equals a total of \$4M per year. The unit price for each scan is \$1.

# Financial Plan



	2021	2022	2023	2024	2025	2026
Scans Sold	0	0	0	100,000	1,100,000	2,900,000
Consulting	0	0	0	50,000	50,000	50,000
R&D	0	0	180,000	200,000	250,000	250,000
Other	0	10,000	20,000	0	0	0
<b>Revenue</b>	<b>0</b>	<b>10,000</b>	<b>200,000</b>	<b>330,000</b>	<b>1,100,000</b>	<b>2,700,000</b>
<b>Expenses</b>						
Server & Hosting	300	300	5,000	15,000	50,000	150,000
Research and Development \$	-	5,500	19,000	50,000	105,000	160,000
Salaries and Wages	0	9,090	145,440	306,151	625,344	821,622
Advertising	0	2,500	5,000	50,000	75,000	150,000
Office Space	0	0	37,000	53,320	91,160	104,000
Other	0	1,000	10,000	20,000	40,000	50,000
<b>Total Expenses</b>	<b>300</b>	<b>18,390</b>	<b>221,440</b>	<b>494,471</b>	<b>986,504</b>	<b>1,435,622</b>
Earnings Before Taxes	(300)	(8,390)	(21,440)	(164,471)	113,496	1,264,378
Taxes	0	0	0	0	19,294	214,944
<b>Net Profit</b>	<b>(300)</b>	<b>(8,390)</b>	<b>(21,440)</b>	<b>(164,471)</b>	<b>94,202</b>	<b>1,049,434</b>

Initial Revenue: **Jan 2023**

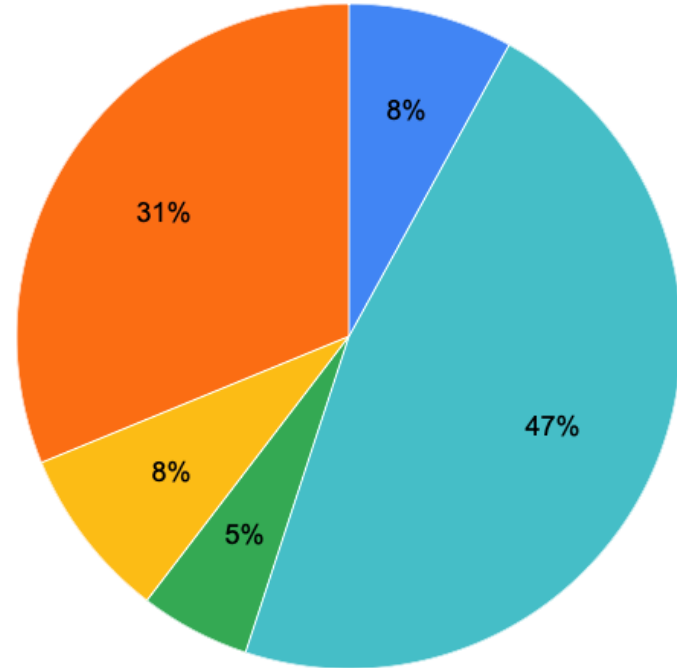
Breaking Even: **2025**



**\$550'000**

12 Months

● R&D    ● Technology    ● Scaling    ● Other    ● Salaries



# Timeline

**Aug 2022**

**Oct 2022**

**July 2023**



**2<sup>nd</sup> Patent**



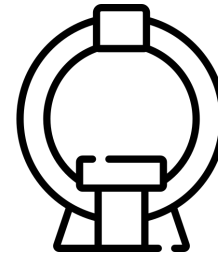
Provisional

**Zeiss R&D**



Signature

**2<sup>nd</sup> Prototype**



On 1 Machine

# The Team



**Prof. Awwad, MD**

**CEO**

AUB Ophthalmologist



**Jad Assaf, BSc**

**COO**

AUB Medicine



**Dr. Dhaini, PhD**

**Mentor**

Principal at Kerney



**Andre Ghosn,  
Eng**

**CTO**

Ex-Amazon Software  
Engineer

► *Founders of [CornealAnalysis.com](https://www.CornealAnalysis.com) & [ToricIOLfix.com](https://www.ToricIOLfix.com)*

# THANKS!

## Any questions?

You can find us at:

- ▶ [info@octanalysis.com](mailto:info@octanalysis.com)
- ▶ OCTanalysis.com

