



# Rhea Labs

2025 → 2026

Year in Review & Direction Forward

For Rhea Fertility / Gen Prime

In 2025 we expanded our tools to include oocyte quality assessment and are working on a sperm quality assessment toolbox. We added localization of our egg calculator and, while continuing to focus on R&D in publications and patents, we welcome a new product manager to increase real-world usage.

## RESEARCH MILESTONE

ACCEPTED — ORAL PRESENTATION

*"Not a high-level opinion piece but a rigorous analysis... includes a formal incompatibility result demonstrating potential failures of average metrics like AUC. A significant and timely contribution to building and validating clinically trusted AI."*

The paper addresses a critical gap: while AI shows promise in healthcare, naive application of standard ML metrics can mask systematic failures. We formalize when and how AI evaluation breaks down in clinical settings — and what to do about it.

### **From AUC to Accountability: Metric Choices, Social Norms, and the Deployment of Therapeutic AI**

November 2025

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Next: Oocyte Assessment publication (Q1 2026) | [AIFS Portugal 2026](#)

INTELLECTUAL PROPERTY

# PCT Patents Filed

PCT/US25/49951

## Method and System for Predicting Embryo Implantation

Rhea Fertility Singapore Pte. Ltd.

FILED

Oct 7, 2025

PCT/US25/49952

## Method, System, and Computer-Readable Medium for Assessing Oocyte Quality

Rhea Fertility Singapore Pte. Ltd.

FILED

Oct 7, 2025

PCT/US25/455226

## Graph Neural Network-Based System for Metabolomic Network Analysis and Embryo Implantation Prediction

Rhea Fertility Singapore Pte. Ltd.

FILED

Nov 13, 2025

TEAM UPDATE

# Rhea Labs Team

NEW

CH

**Chris Homburger**

Product Manager

*We're excited to have Chris join us  
— bringing product discipline to  
close the gap between R&D and  
market.*

## Bonna Suite

DS

**David**

AI/ML

RF

**Riska**

UI/UX

GR

**Gilad**

Algo

TO

**Taher**

Front

## RheaX

LW

**Lawrence Wu**

Operations


DM


**Daniel Madero**


Clinical


+ Tilly integration across all platforms


# Bonna Suite Dashboard


 **Rhea**  
dhsilver


 **Dashboard**


 Egg Freezing Calculator


 Oocyte Quality


 Embryo Quality


 Hormonal Protocol



 Implantation Window

 Sperm Analysis

 Manage Clinic

 Customize Report



 **Settings**



 dhsilver  
silverdavi@gmail.c... 



**Dashboard**



Sun, 21 December 2025



Hello, dhsilver



   
**Egg Freezing Calculator**  
Estimate egg retrieval numbers and the likelihood of achieving a live birth.

   
**Oocyte Quality**  
Assess oocyte quality to improve fertility outcomes

   
**Embryo Quality**  
Evaluate embryo development to boost pregnancy success.

   
**Hormonal Protocol**  
Receive recommendations for hormonal protocols to maximize mature oocyte yield.

   
**Implantation Window**  
Pinpoint the optimal timing for embryo transfer to enhance implantation success.

   
**Sperm Analysis**  
Analyze sperm quality to enhance fertility treatment outcomes.

PRODUCT PROGRESS

# Bonna Suite Roadmap

● Q4 2025

Egg Freezing Calculator



STANDARD

Embryo Quality Assessment



BETA

Oocyte Viability Assessor



CLINICAL USE

Sperm Quality Analyzer



ALGORITHM

Hormonal Protocol



DATA

Endometrial Receptivity



EARLY

■ Development   ■ Clinical Validation   ■ Production   ■ Q2 '26 Target

COOPERATIONS / EVENTS

Genea BioMedx

API Integration

genea.co.th

Embedded

Localization

6 Languages

Dec 2025

World Fertility Awards

LOOKING AHEAD

# 2026 Direction

From tool expansion to system integration



## Integration

Deeper integration with incubators and EMR systems for seamless clinical workflows.



## Scale

Expand Bonna usage within GenPrime clinics and grow external partner adoption.



## Validation

Oocyte paper Q1. AIFS Portugal presentation. Rigorous evaluation.

**2025**

Expansion of **tools**



**2026**

Integration and **scale**

**Rhea Labs Team**

December 2025



# Happy Holidays & Happy New Year

Wishing you warmth, joy, and new beginnings in 2026

**From the Rhea Labs Team**

Improving fertility journeys and outcomes with science-driven, clinically impactful tools

