

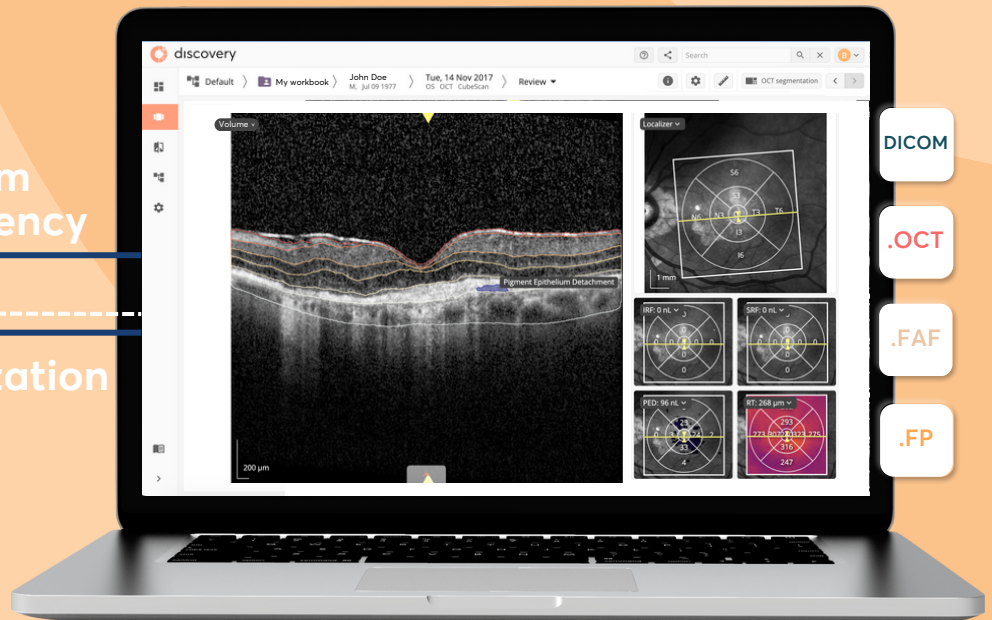
**Automated
Data Upload**

**Custom
Frequency**

 <30 s

Anonymization

**Broad
Compatibility**
(DICOM & more)



Discovery Platform & AI for Ophthalmology Clinics

Enhance Clinical Workflows & Patient
Management with Smart Automations

“ RetinAI Discovery[®] and its fast volumetric AI analysis of OCT images & intuitive progression graphs have provided me with new insights into eye diseases, allowing me to build on existing blocks of AI technology to extract my clinical insights faster.

Prof. Dr. Dr. Marion Munk (MD, PhD), FEBO, FMH
Chief Scientific Officer, Leading Consultant & Head of Research @ Augenarzt-Praxisgemeinschaft Gutblick AG

“ Discovery CONNECT is a true game changer. Manual OCT uploads used to slow down AI adoption in my wet AMD clinics. I'm so enthusiastic about CONNECT because, it's going to completely change the paradigm of using AI! Now, with instant sync and one-click access, AI is ready to use in seconds. It's absolutely amazing!

Assoc. Prof. Dr Rodrigo ABREU, MD, PhD, MBA
Medical and Surgical Retina Specialist @ the Hospital Universitario de La Candelaria

“ In daily clinical practice, by seeing the progression graph on RetinAI Discovery[®], you know almost everything about the patient in a few seconds, allowing you to make a faster decision on the treatment.

Assoc. Prof. Dr Rodrigo ABREU, MD, PhD, MBA
Medical and Surgical Retina Specialist @ the Hospital Universitario de La Candelaria



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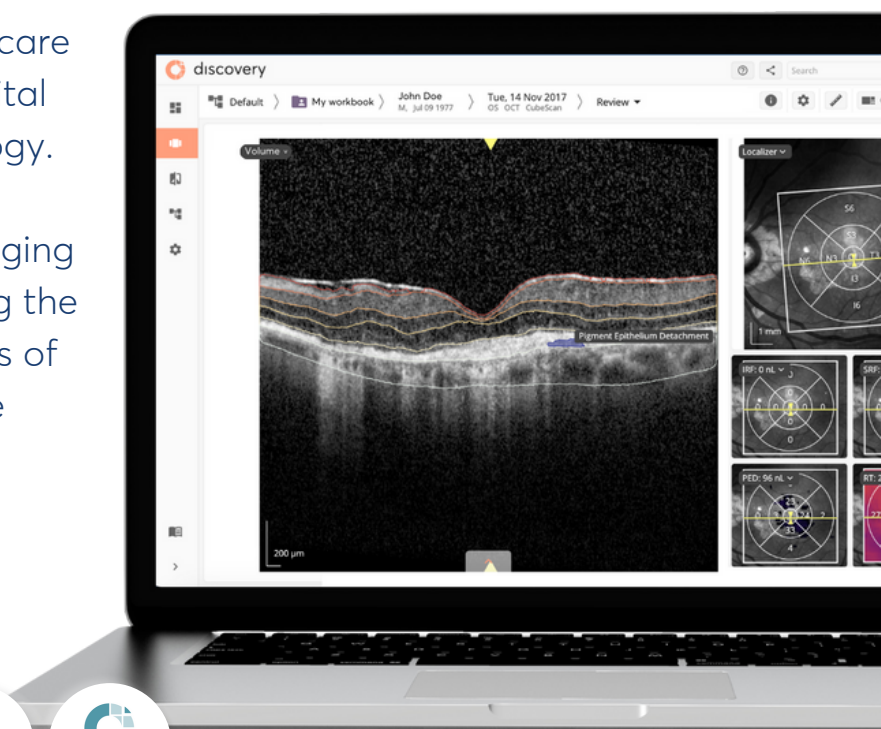


Meet RetinAI Discovery®

Discovery is our cloud-based healthcare platform to unlock the power of digital data and AI analysis in ophthalmology.

The software **seamlessly syncs** imaging data from OCT devices, streamlining the collection, organization, and analysis of eye data. This empowers healthcare professionals to make **the right decisions, sooner.**

Supporting diagnostics of multiple eye diseases including:



Gathering biomarker & clinical endpoint data on OCT & Fundus images (FAFs).

Automatic Imaging Data Sync now Available!

Automated
Data Upload  <30 s

Discovery CONNECT® seamlessly syncs imaging data from imaging devices to RetinAI Discovery® in under 30 seconds per image for smarter workflows, helping to reduce manual workflows.

- Immediate access to patient scans
- Faster diagnostics and treatment decisions, with or without AI
- Sync historical imaging data (up to 2 years) if needed — Discovery CONNECT handles anonymization when needed.

Optional
Anonymization

Automated
AI-Powered Analysis



Learn more
about
Discovery
CONNECT®

Discovery for Clinics

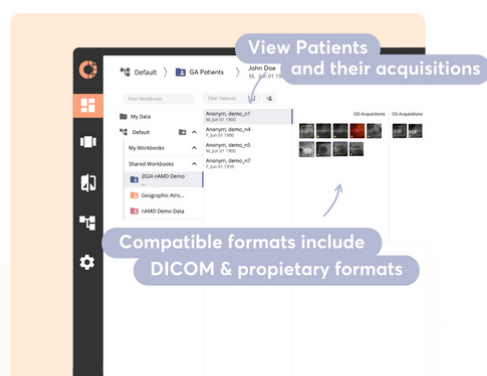
To drive patient retention, treatment adherence and better outcomes

Data Collection

1

Centralize Your Data Seamlessly

A single data platform to manage & access your data anytime from anywhere, **automatically syncing image data** for real-time monitoring and AI analysis (OCT, CFP,...)

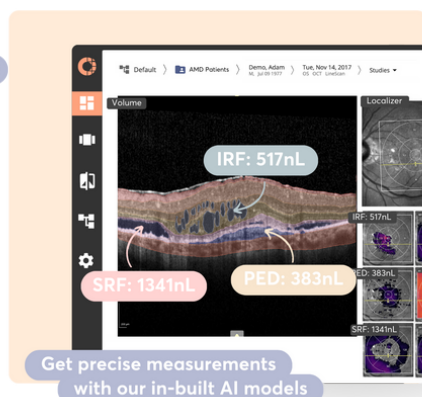


Data Processing & Visualization

2

Access AI Insights into Disease

Data is harmonized, organized, aggregated & analyzed at-scale using AI to extract insights about disease progression, treatment outcomes & progression prediction.

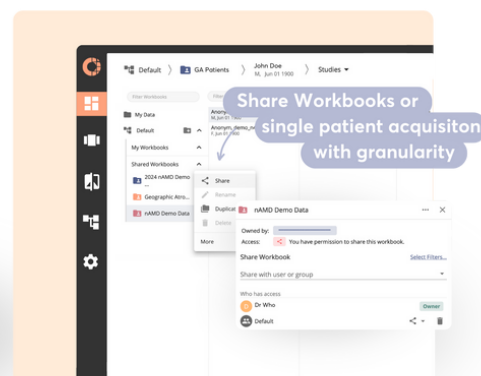


Global Collaboration

3

Share Data Securely to Your Network

Better co-management of your patients within your referral network by accessing your patient's data in real-time to provide or receive feedback on patient data from peers.



Using Discovery for Patient Monitoring

Enhance patient monitoring with CONNECT & automatically sync imaging data collected from imaging devices to RetinAI Discovery® in real time. Once synced, our platform delivers detailed AI analysis on your imaging data, supporting informed treatment decisions and improving patient care & retention.

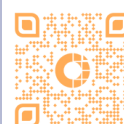
New feature

AI-Powered Biomarker Analysis

With precise segmentation across 7 layers of the retina & choroid, you can obtain segmentations and volume quantifications of disease activity biomarkers such as IRF, SRF, PED, HRF, thinning of PR layer.

Automated Imaging Data Sync with Discovery CONNECT®

Discovery CONNECT® seamlessly syncs imaging data from imaging devices to RetinAI Discovery® in under 30 seconds per image for smarter workflows —reducing manual workflows.



Learn more about
Discovery CONNECT®



Discovery for Clinics

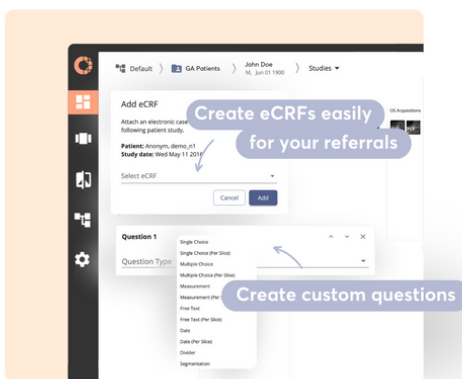
To maximize efficiency across the stages of your Clinical Workflows

Faster Referrals from Peers

1

Streamline Referral Workflows

Ensure secure, real-time peer referrals on a unified platform, enhancing communication and patient care without the hassle of manual uploads or workflows.

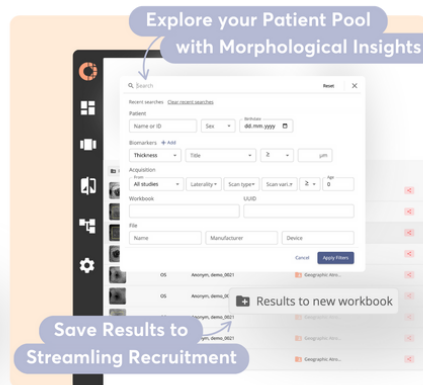


New Revenue Streams

2

Generate Real World Data (RWD)

Create new revenue streams by collecting RWD and finding trial candidates with biomarker criteria (using our Search Engine) - much sought-after by Pharma.

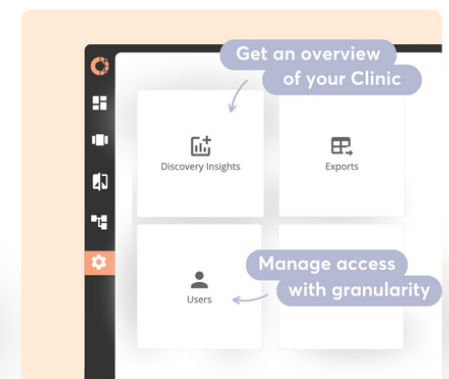


Instant Business Insights

3

Enhance your Business Planning

Access your clinic dashboard, and get an overview of your clinic's patients (numbers, visits, number of acquisitions, type of acquisitions, etc) and take decisions based on measurable insights.



Using Discovery for Clinics for enhanced Clinical Workflows

Enhance patient care while identifying candidates for clinical studies and unlocking new revenue streams. Our advanced search capabilities, automatic anonymization coupled with our data processing using Discovery CONNECT® (a plugin for data upload automation) allows you to filter patient data precisely for clinical trials, turning your data into a valuable asset for your practice.

Identify the right patients for Clinical Studies

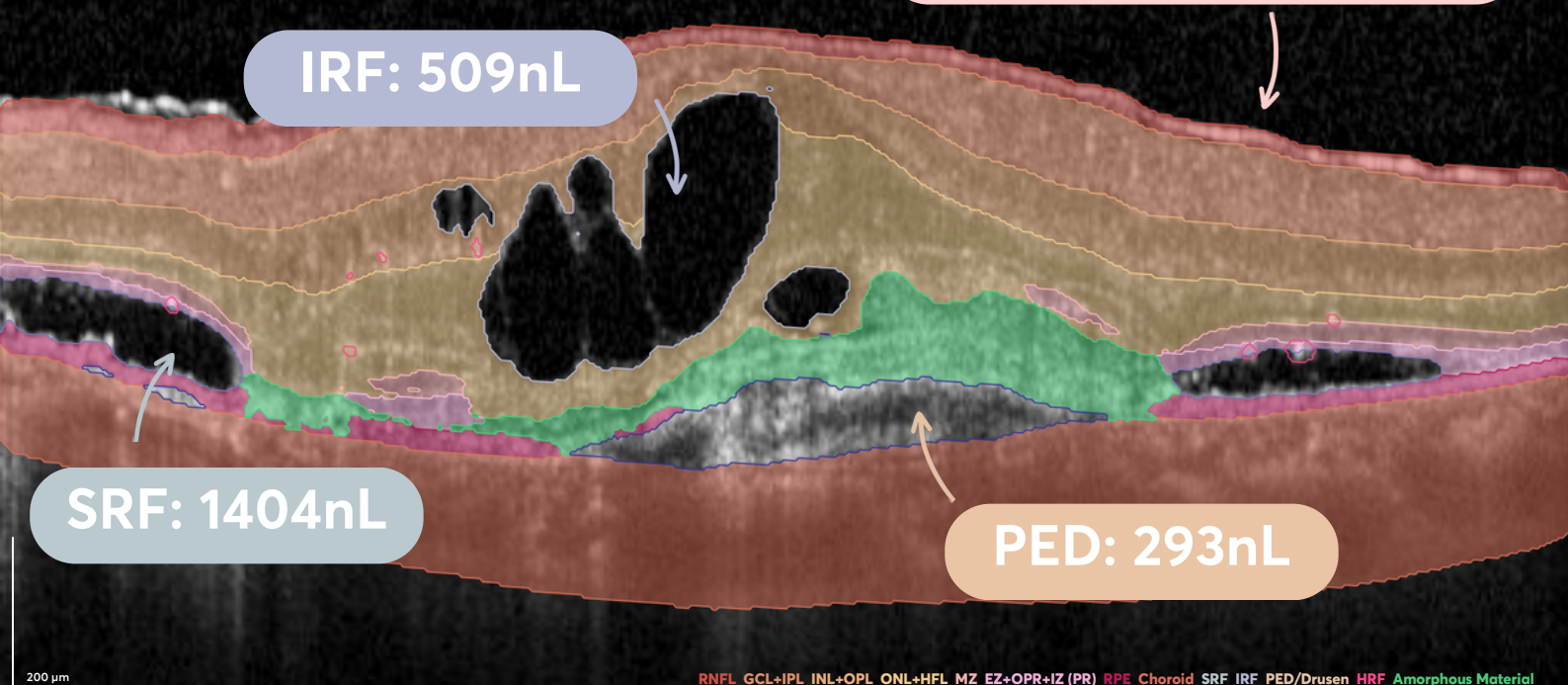
With Discovery's SMART Search Engine, you can:

- Query your database of patients on anatomical endpoints with easy-to-use AI-powered natural language search
- Categorize your patients into meaningful cohorts and subgroups based on phenotypical and clinical information
- Generate real-time insights & analytics on real-world patient populations and clinical studies

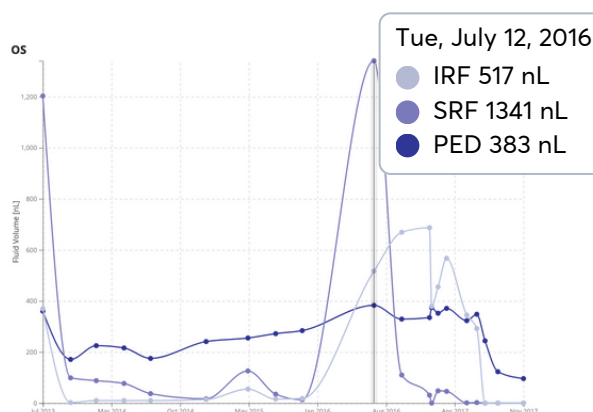
Disease understanding enriched with AI

RetinAI Discovery[®] brings speed to your workflows by ensuring precise biomarker identification and quantification.

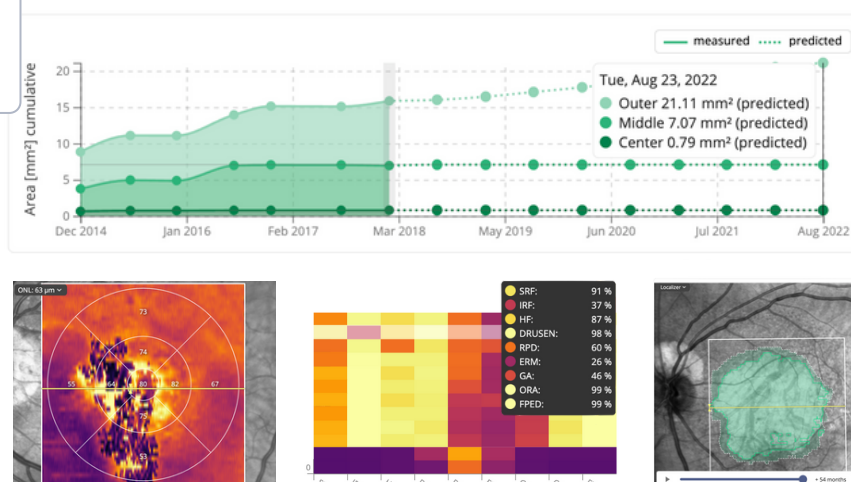
Layer segmentation



Visual representation of an OCT image in RetinAI Discovery[®] with AI overlays highlighting 7 retinal layers, Choroid, SRF, IRF, PED/Drusen, HRF, and Amorphous Material (model in Research Use Only)



Metadata from OCT images are aggregated and represented in a graph, showing fluid volume progression (IRF, SRF and PED).



Our GA AI models (RUO) also enable you to evaluate prediction of atrophy (shown on the right-hand side graph).

Gathering biomarkers & clinical endpoint data on OCT & Fundus images (FAFs).



Specifications

Get ready to enrich your data analysis workflows for better outcomes with Discovery and AI. Choose your subscription, and access:

Imaging & Data Management

- **Vendor-Neutral Platform**
Aggregate all data points, images & eCRFs from any source (OCT, OCT-A, Fundus) & any manufacturer (compatible formats include DICOM-compliant & proprietary formats)
- **Automatic Image Transfer** **New**
CONNECT identifies local image pools and automatically synchronizes them to Discovery, no more manual upload needed
- **Immediate Response**
<2 seconds* for AI overlay on OCT volume
**Depending on internet speed & data volume*
- **SMART Search**
Search your database of patient with natural language queries

AI Analysis & Tools

AI diagnostic support on OCT images for different severity stages of AMD (early, intermediate and advanced, including nAMD and GA), DR (including DME) and Vitreo-macular degeneration

- **Fully-automatic AI Analysis**
Once uploaded, your data is analyzed with AI
- **Biomarkers Identification**
Easily see the presence or absence of 9 retinal biomarkers (SRF, IRF, HF, Drusen, RPD, ERM, GA, ORA, FPED)
- **Biomarkers Quantification**
Get precise metrics over 7 retinal layers, Choroid, SRF, IRF, PED/Drusen, HRF, AM (thickness, volume, depletion maps, enface maps, hyper reflection, atrophic area, and more).

Patient & Disease Views

- **Visit Comparison View**
Compare visits & patients side by side
- **Endpoint Visualization & Measurements**
En-face depletion of Retinal Layers & Biomarkers
- **Disease and outcomes progression**
Access progression analytics graphs & insights
- **Enhanced DR Screening**
AI screening on CFP for mtmDR in adult diabetic patients, aiding early detection and better referrals.

Certifications / Security

- **CE-Marking**
Layer & Fluid Segmentation, Biomarkers Identification & Diabetic Retinopathy models are CE Marked in the EU.
- **FDA Clearance**
The RetinAI Discovery® platform is FDA cleared in the United States
- **Data Privacy & Data Encryption**
GDPR, HIPAA, and PIPEDA compliance
- **Cloud-based**
Access Discovery on every browsers (no costly hardware installation, no server maintenance fees, no need for an IT service provider)

Enabling the right decisions sooner in healthcare has been our mission since 2017. By harmonizing and aggregating unstructured medical data at-scale, we create a frictionless and open data ecosystem that improves understanding of patients' disease and outcomes through enhanced insights and knowledge.



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DISCLAIMER: RetinAI Discovery® and its AI modules for biomarkers, fluid, and layer segmentation, as well as quantification in retinal pathologies, are CE-marked medical devices in accordance with the Medical Devices Regulation (EU) 2017/745. RetinAI Discovery® is also a medical device cleared for clinical use by the FDA. However, the AI modules for biomarkers, fluid, and layer segmentation and quantification in retinal pathologies are designated for Research Use Only (RUO) in the USA. Please be advised that these tools are not intended to replace professional medical advice, diagnosis, or treatment. We do not warrant or guarantee the clinical accuracy, completeness, or usefulness of any content provided by RUO products. For more information, please read our Privacy Notice (<https://www.retinai.com/privacy-policy>) and Data Processing Agreement (<https://www.retinai.com/data-processing-agreement>). RetinAI Discovery® and RetinAI® are trademarks of Ikerian AG.