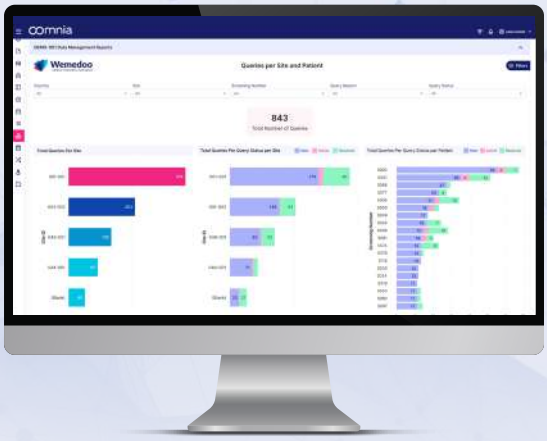
oomnia

One solution designed to support ophthalmology trials end to end

oomnia ensures accurate and compliant data workflows by combining high-resolution imaging and visual function data in one unified environment.



Designed to support both biotech-driven ophthalmology research and device-like solutions, oomnia connects stakeholders and simplifies complex processes across the entire ophthalmology trial lifecycle.

The ophthalmology trial complexity challenge

- Coordinating specialized visual function tests within tight visit windows
- Long follow-up timelines with high risk of missed visits and patient dropout
- Operating across multiple disconnected systems, increasing site burden and data latency
- Managing complex imaging data from multiple sources
- Integrating outputs from imaging platforms, central reading centers, and ophthalmic devices

Why teams choose **oomnia**

Built for ophthalmology

Purpose-built data models support ETDRS scoring, BCVA variability control, visual field assessments, and longitudinal endpoint tracking across years

Easy long-term follow-up

Automated reminders, mobile-first ePRO, and flexible visit windows help keep patients engaged and compliant throughout multi-year studies

Simplified site operations

Streamlines complex site workflows that combine general and ophthalmology-specific procedures

Integrated ophthalmology data

Combines imaging outputs and visual function endpoints into a single, compliant workflow aligned with ophthalmology-specific protocols

Regulatory-ready data quality

Automated reminders, mobile-first ePRO, and flexible visit windows help keep patients engaged and compliant throughout multi-year studies

One solution for every ophthalmology trial

All data and stakeholders, fully aligned

Ophthalmology-specific data capture

- Configurable EDC for endpoints like BCVA, central retinal thickness, and visual fields
- Built-in validation reduces variability and interpretation of errors across imaging and functional tests
- Real-time data entry and monitoring for faster decision-making
- eCOA/ePRO captures patient-reported visual function and treatment burden
- Data entered once flows automatically across EDC, CTMS, RTSM, eTMF, ePRO, eCOA, eConsent, and eSource

Simplified visit & schedule management

- Helps sites manage tight visit windows and repeated visual function assessments
- Centralized scheduling for imaging and functional tests
- Automated reminders reduce missed visits and protocol deviations
- Mobile-first ePRO minimizes clinicians' burden while maintaining data quality
- Dashboards give coordinators a clear view of upcoming visits and compliance risks
- Purpose-built for complex, multi-year clinical trials

Imaging data integration

- Connects imaging outputs with clinical data for a unified view of study outcomes
- Integrates imaging data from OCT, fundus photography, and other ophthalmic devices
- Scales for complex imaging workflows and multi-visit visual function assessments
- Enables efficient handling of imaging platforms and specialized equipment outputs

Connected insights & compliance

- Visual dashboards for quick interpretation of imaging and functional endpoints
- Analytics provide trend analysis for safety and efficacy monitoring
- Export-ready outputs for regulatory submissions and audits
- Maintains compliance with ophthalmology-specific protocols and global regulations

oomnia connects ophthalmic imaging platforms with central reading centers and brings imaging and visual function data together in one place, reducing site workload and keeping data consistent

Proven results through unified solutions

Up to **90%** Faster LPLV to database lock*

*Case study: Fast database lock in a complex Phase III trial

70-80% Query resolution cycle reduction*

*Based on client feedback linked to time efficiency gains

Up to **83%** Faster clinical trial set-up*

*Client trial set up with thousands of data elements compared to time needed by one of the biggest global CROs for the same trial

oomnia made a complex device-drug trial possible by adapting EDC concepts to meet US Food and Drug Administration (FDA) Investigational New Drug (IND) requirements. The study design managed 5,000+ CRF questions with dynamic eCRF features that cut manual queries by 66%, completed design, implementation, user acceptance testing, and site training in just 9 weeks, and achieved database lock within 2 weeks after the last patient visit.

What our clients say

Wemedoo's cross-functional, integrated teams capture EDC set-up, go-live, data capture, data cleaning, and finally data analysis in a globally compliant fashion supporting trials in different geographies including the US. Their speed of addressing customer needs sets in my personal experience industry benchmark whilst keeping these data solutions lean and affordable. Besides the great proprietary systems they use, their integrated team approach with personal responsibility and honest commitment to targeting outcomes differentiates the Wemedoo team from other providers.

Wemedoo only made Oxular's key initial trial, a device-drug trial possible, as based on some pre-work, the Wemedoo team could substantially adapt and update the first EDC ideas for a trial under a US FDA IND. The Wemedoo team worked extremely focused on familiarizing US trial sites and clinical CROs with the use of their system, which turned out to be a key success factor of the respective trial. The highly professional and up-to-date capabilities in data sciences were mirrored by customer-centricity and super-fast timelines of integrating mandatory adaptations to the data systems.

Friedrich Asmus

Former Chief Medical Officer at **OXULAR**

Discover how **oomnia** makes complex ophthalmology trials easier

Request a demo

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