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EUREQUO
European Registry of Quality Outcomes for
Cataract & Refractive Surgery

The most exciting IT project in ophthalmology

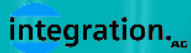




EUREQUO

European Registry of Quality Outcomes for
Cataract & Refractive Surgery

Exclusive IT providers



EUREQUO IT Partners

ifa systems AG, Germany
integration.AG, Germany

- Specialists in IT solutions in ophthalmology since 25+ years (EMR, registries, interfaces)
- More than 10,000 ophthalmic professionals using the software applications every day



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Presentation Overview

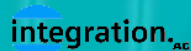
- Project Status
- Software Presentation
- Features and Visions



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Project Status

- EUREQUO (European Registry for Quality Outcome in Cataract and Refractive Surgery)
- Sponsored by EU (European Union) and ESCRS (European Society for Cataract and Refractive Surgery)
- More than 1.4 Million patient data have been entered so far by more than 1.600 surgeons from 16 countries (Europe)



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What are the technical requirements for participating?

- Only an internet access is required for entering, storing and analysing data



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How much time does it take to enter the data into the form (cataract/refractive)?

- The software is based on the experience and feedback of many registry systems
- More than 90% of the entry fields can be handled just by mouse-click or tablet PC



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Time for Data Entry (Example Cataract)

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Area	Time
Patient data	25-30 sec.
Preoperative data	35-40 sec.
Surgical data	20 sec.
Total	80-90 sec.

Example: 50 procedures/week = 1 hr. + 15 min.



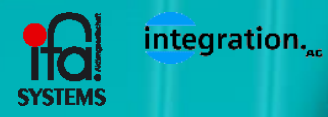
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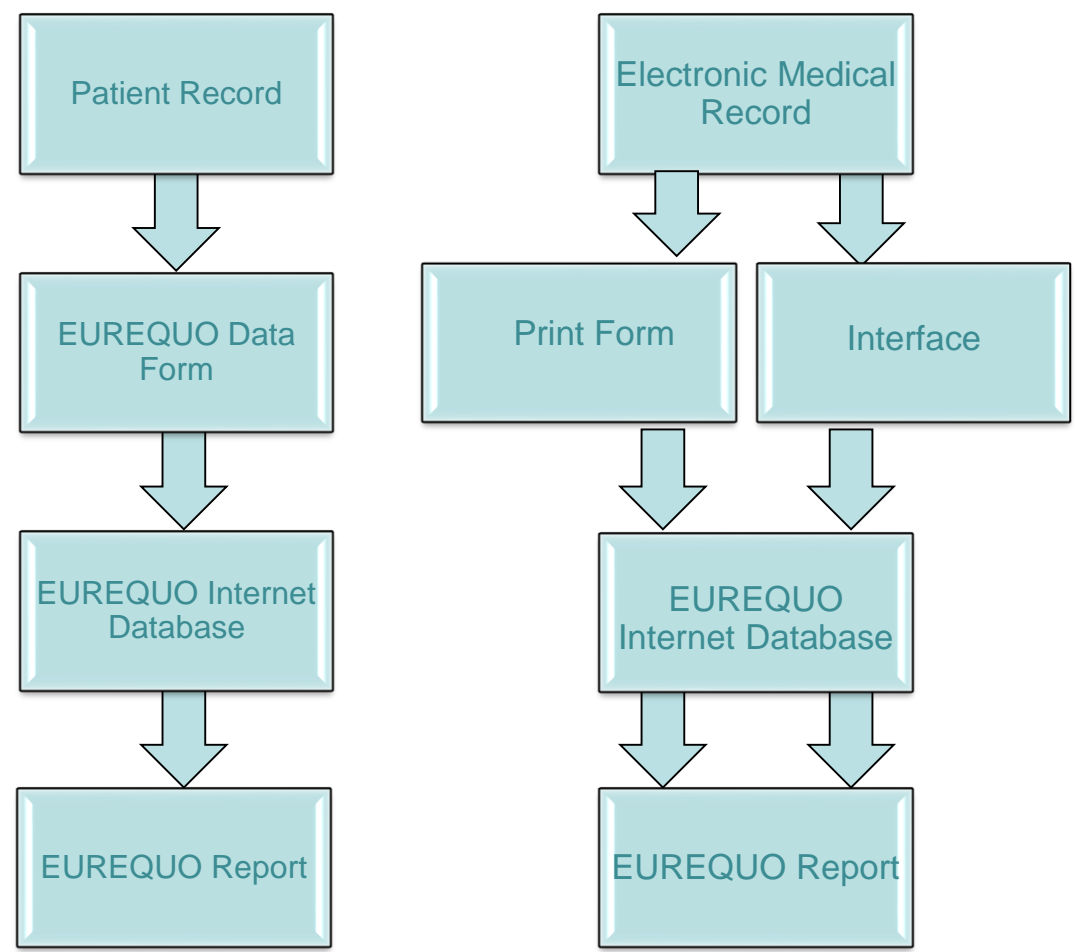


Workflow Proposal for EUREQUO Data Collecting

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EUREQUO Paper Form – Refractive

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Refractive surgery

Surgeon

Technician

Remarks

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Patient data

Patient no.* Year of birth* Gender* male female unknown

Eye OD OS

Preoperative data

Previous eye surgery LASIK LASEK PRK Epi LASIK LRI AK CLE
 cataract glaucoma other unknown

Eye to be operated on	Fellow eye
Pre OP VA/BCVA* <input type="text"/>	Pre OP VA/BCVA <input type="text"/>
Sphere* <input type="text"/> Cylinder* <input type="text"/> Axis* <input type="text"/>	Sphere <input type="text"/> Cylinder <input type="text"/> Axis <input type="text"/>

Operated eye

Target refraction Sph Cyl Ax

Near refraction when presbyopic surgery Sph Cyl Ax

Co-existing eye disease* yes no

Surgical data

Date of surgery* y m d

Type of surgery* primary enhancement additional

Surgical method* LASIK LASEK PRK Epi LASIK LRI AK CLE other

Phakic IOLS: AC iris support angle support Phakic IOLS: PC ICL RL

Corneal inlays ICR intra corneal inlays

Corneal complications* none flap related other cornea related implant related
 other not ophthalmic unknown

Intraocular complications* none posterior capsular rupture endothelial trauma iris trauma
 other

Follow up/postoperative data

Date of examination* y m d Patient no.

Uncorrected VA operated eye* Follow up completed* yes no

BCVA operated eye*

Refraction data Sph* Cyl* Ax*

In presbyopic surgery

Near uncorrected VA operated eye* BCVA operated eye*

Near refraction data operated eye Sph Cyl Ax

Postoperative complications* none DLK implant related corneal oedema
 optical error haze cataract ectasia elevated IOP
 infection retinal other

* mandatory field

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EUREQUO Paper Form – Cataract (1)

Cataract surgery

Surgeon _____
Technician _____
Remarks _____

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Patient data

Patient no.* _____ Year of birth* _____ Gender* male female unknown

Eye OD OS ASA classification ASA I ASA II ASA III ASA IV ASA V

Preoperative data

Previous cataract surgery yes no

Eye to be operated on	Fellow eye
Pre OP VA/BCVA* _____	Pre OP VA/BCVA* _____
Sphere _____ Cylinder _____ Axis _____*	Sphere _____ Cylinder _____ Axis _____*
Target refraction Sph _____	

Co-existing eye disease* none glaucoma macular degeneration diabetic retinopathy
 uveitis amblyopia other

Complicating comorbidity* none previous corneal refractive surgery white cataract
 pseudoexfoliation previous vitrectomy corneal opacities
 small pupil (need for mechanical dilation)

Preop. K-values: K1 Sph _____ Ax _____* Preop. K-values: K2 Sph _____ Ax _____*

Surgical data

Date of surgery* y _____ m _____ d _____

Type of anaesthesia general drops subtenonal local-peribulbar
 local-retrobulbar drops intra-cameral other unknown

Type of operation* Phaco-PCL planned ECCE+PCL unplanned ECCE+PCL
 planned Phaco/ECCE+ACL Phaco+filtering surgery+PCL ECLE
 ICLE other unknown

Type of IOL* acrylic, hydrophobic acrylic, hydrophilic hydrogel multifocal
 PMMA silicon accommodative no IOL other unknown

Specific IOL properties yellow IOL aspheric IOL multifocal IOL

Complications during surgery* none posterior capsule rupture capsule rupture without vitreous
 capsule rupture with vitreous vitreous loss dropped nucleus
 iris prolaps zonulolysis rhexis tear expulsive hemorrhage
 retrobulbar hemorrhage other ophthalmic other not ophthalmic
 unknown

Inpatient surgery yes no

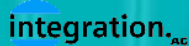
Version 02/09

* mandatory field



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EUREQUO Paper Form – Cataract (2)



Surgeon	<input type="text"/>	Institute	<input type="text"/>
Ophthalmologist	<input type="text"/>		
Case information	<input type="text"/>		

Follow up postoperative data 1-15 days

Patient no.

Date of examination* y m d

Uncorrected VA operated eye
= using target refraction*

Postoperative complications* none central corneal oedema/striae
 elevated IOP (> 30 mm HG) other

Follow up postoperative data 16-60 days

Date of examination* y m d

Uncorrected VA operated eye*

BCVA operated eye*

Refraction data Sph Cyl Ax °

K1-values operated eye D Ax °

K2-values operated eye D Ax °

Macular degeneration known before or revealed after cataract removal* yes no

Postoperative complications* none persistent central corneal oedema/striae
 reduced vision due to opacities in the posterior capsule
 uveitis with need for medication endophthalmitis other
 wound leakage persistent corneal oedema CME
 ablatio retinae subluxated IOL uncontrolled elevated IOP
 intractable glaucoma other ophthalmic other not ophthalmic
 other systemic

Version 02/09

* mandatory field

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How can we get data from our HIS/EMR into the data entry form?

- The EUREQUO application allows for a standardized and automated import of data
- Individual interfaces need to be developed based on international IT standards (HL7)



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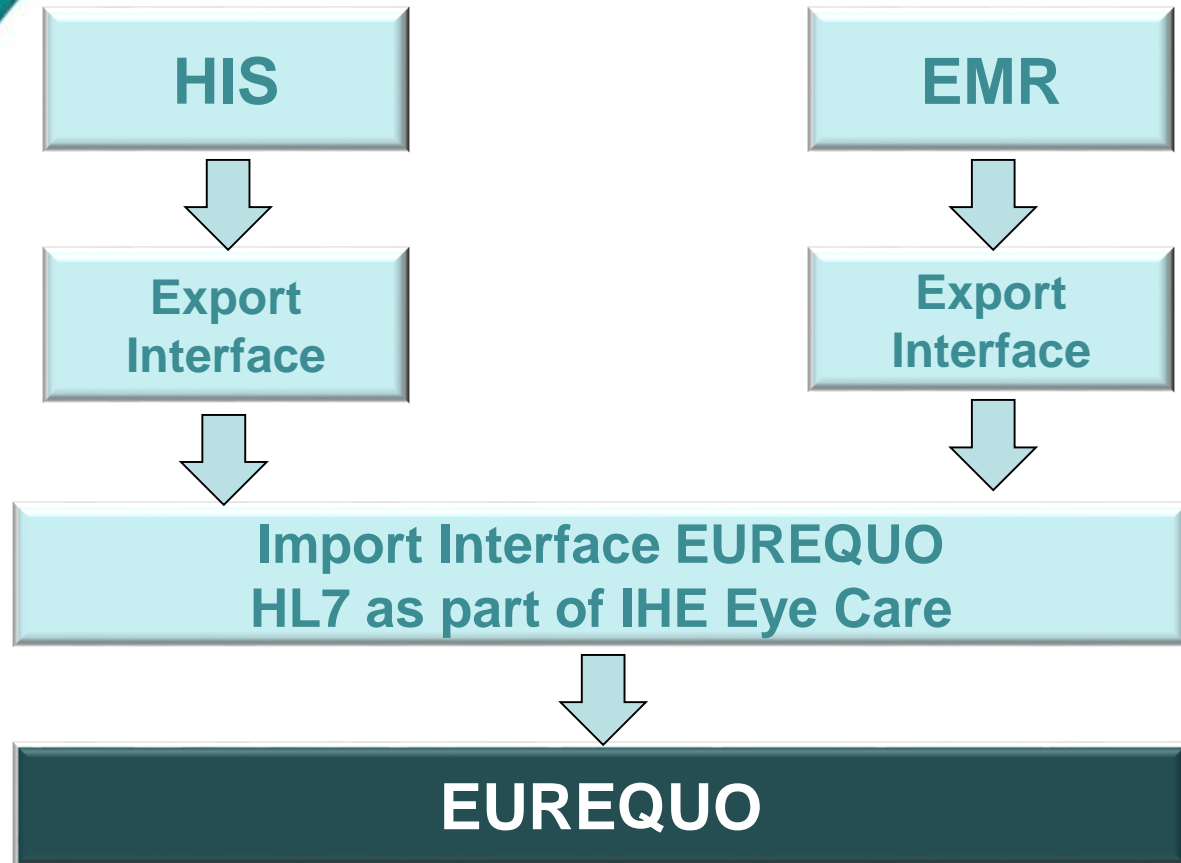
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Data communication with EUREQUO based on international standards



HIS = Hospital Information System

EMR = Electronic Medical Record

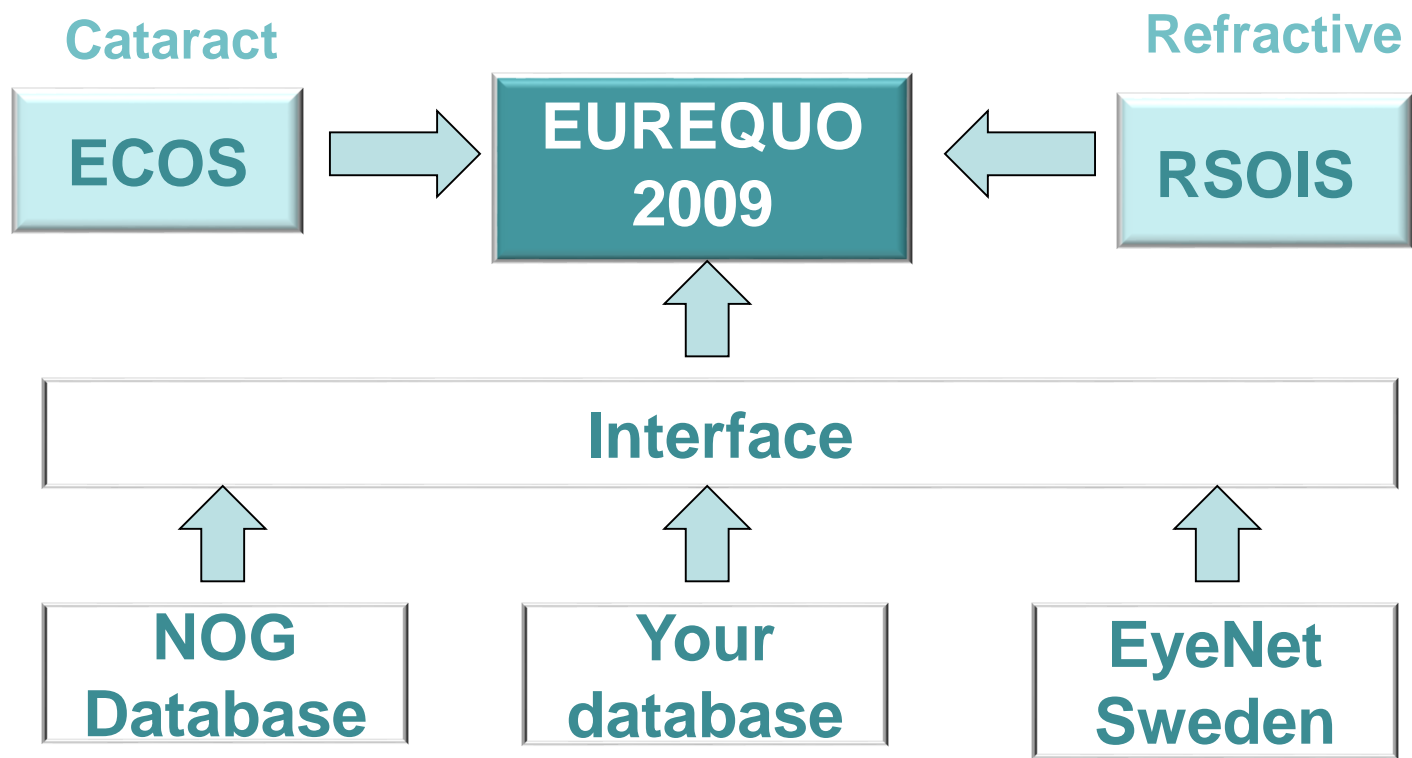
HL7 = Health Level 7 (international standard)

IHE = Integrating the Healthcare Enterprise



The compatibility of EUREQUO

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How is data protection handled within EUREQUO?

- Only anonymous data are stored
- Only clinical data without any demographic data are mandatory
- The systems is based on quality management principles (according to ISO 9001:2008)

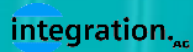


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EUREQUO Data Entry Online Login Page

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Improve your
surgical outcomes

by monitoring your results



Login

user name

password

LOGIN

New member

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt.

REGISTER NOW



EUREQUO milestones

EUREQUO was launched in Sept. at the XXVI Congress of the ESCRS in Berlin.

It is a three-year programme, made up of an assessment phase in year one (2008), a pilot phase in year two (2009-2010), and roll-out phase in year three (2010-2011).

READ MORE

Next events

The EUREQUO team will be participating in the following international congresses:
The 13th ESCRS Winter Meeting, 6-8 February 2009, Rome Cavalieri



READ MORE

Newsletter

Subscribe to the EUREQUO newsletter to receive the latest news on the EUREQUO three-year-programme, events and international congresses.

Please enter your e-mail and click on subscribe:

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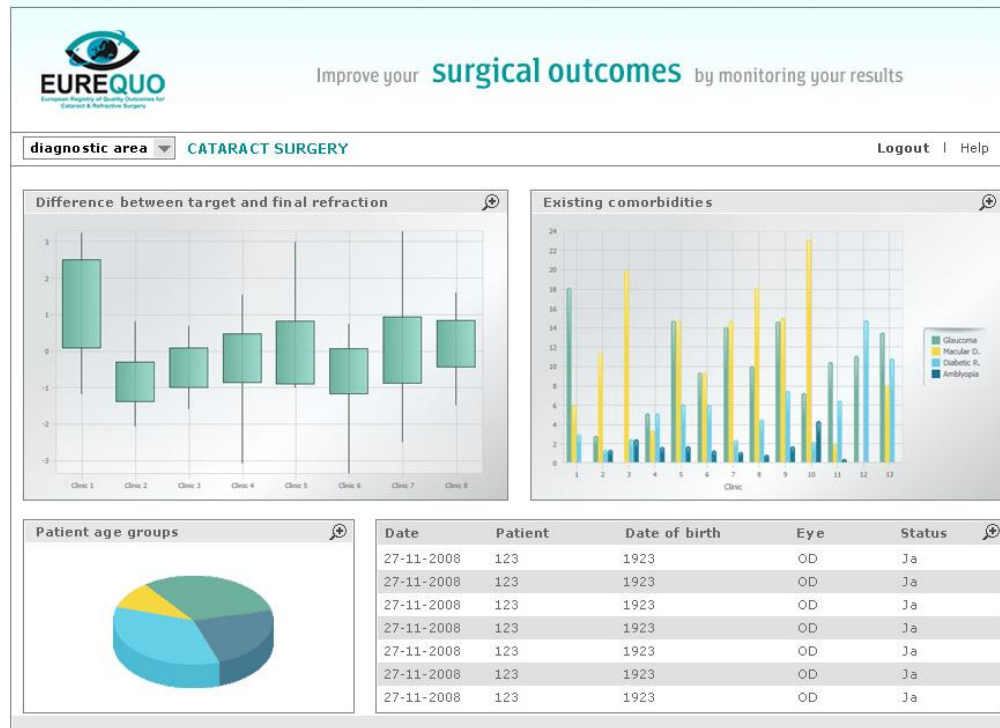


EUREQUO as an international brand

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International Expansion

- EUREQUO shall be opened also for users (cataract and refractive surgeons worldwide)
- Information can be provided through www.eurequo.org and by ifa representatives.



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Thank you for your attention

