EUREQUO: Quality registry to improve treatment and standards
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European Registry of Quality Outcomes for Cataract & Refractive Surgery
• Co-funded by European Union under the Public Health Programme & ESCRS
• Starts as a 3-year EU-project and involves 12 European National Societies for Cataract and Refractive Surgery
• Acronym: EUREQUO

Participating countries
- Austria
- Belgium
- Germany
- Hungary
- Netherlands
- Ireland
- Turkey
- Slovakia
- Italy
- United Kingdom
- Spain
- Greece
- Scandinavia
- Sweden
- Denmark
- Norway
- Finland

Aims
- To improve treatment and standards of care for cataract and refractive surgery
- To develop evidence-based guidelines for cataracts and refractive surgeries across Europe

Philosophy behind the project
Improving standards of care
- Measuring and collecting data
- Knowing your own results
- Comparing own data over time and anonymously with others
- Identifying what’s good and what needs to be better
- Making changes if needed

Evidence-based guidelines
- Identifying “real world” outcomes related to preoperative status
- Identifying risks for adverse outcomes
- Evaluating indications for surgery and timing of surgery

“Some is not a number, soon is not a time”
Measurements - Documentation - Collecting data
Revelation comes only to the prepared mind
Examples

- Biometry prediction error
- Algorithm for limbal relaxing incisions
- Postoperative endophthalmitis

Revelation comes only to the prepared mind.

Lessons learned

- ECOS – European Cataract Outcome Study (since 1995)
  - Choice of variables
  - Web-based input and output of data
- RSOIS – Refractive Surgery Outcomes Information System (since 2006)
  - Choice of variables
  - No double entry of data

What output do we need to fulfill the aims?

Examples Cataract - graphs

- BCVA >0.5 in %, case-mix adjusted
- Biometry prediction error, % within 1 D.
- Box-plot biometry prediction error, correct sign
- Uncorrected near VA, adjusted for IOL type
- Capsule complication in %

Examples Refractive - graphs

Standard graphs for reporting refractive surgery

Benefits of participation

- A web-based system for collecting data and monitoring outcomes
- Your updated data always available via internet
- Gives respect and good for marketing
- You always know your results
  - For your own satisfaction
  - For audit purpose
  - For giving your patients the right expectations (a probable outcome is an important element of the informed consent)
  - For clinical improvement work
<table>
<thead>
<tr>
<th>Benefit of EUREQUO versus your present information technology</th>
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<tbody>
<tr>
<td>• Paper records</td>
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<td>• Electronic records</td>
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<td>• Electronic follow up system</td>
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<tr>
<td>• Electronic follow up system for monitoring outcomes</td>
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<tr>
<td>• Knowing your own results</td>
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<tr>
<td>• Comparing outcomes over time and with others anonymously</td>
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<tr>
<td>• Comparing your outcomes with others anonymously (surgeons,</td>
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<td>country, Europe)</td>
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For more information

• Visit our homepage: [www.eurequo.org](http://www.eurequo.org)
• Thank you for your attention