Cataract surgery in the Baltic Countries

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Purpose.

To analyze development of cataract surgery in the Baltic Countries (with emphasises on Lithuania).
Population

ESTONIA 1,4 mln.
LATVIA 2,3 mln.
LITHUANIA 3,5 mln.
Methods.

Retrospective analyses of cataract surgery evolution for Estonia, Latvia and prospective for Lithuania was performed. First study on Eye health care services in eastern Europe was performed 1998, second – 2003 year.

Results.

The cataract surgery rate in 1998, 2003, and 2006 was:

- Estonia 2530, 6123 and 7700 (personal communication with dr. A. Klett)
- Latvia 1860, 2921 and 5000 (personal communication with prof. G. Laganovska)
- Lithuania 1550, 2502 and 3800
Phacoemulsification

<table>
<thead>
<tr>
<th>Country</th>
<th>1998, %</th>
<th>2003, %</th>
<th>2006, %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Latvia</td>
<td>4,0</td>
<td>63,8</td>
<td>unavailable data</td>
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<tr>
<td>Lithuania</td>
<td>2,8</td>
<td>55,66</td>
<td>80,0</td>
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<tr>
<td>Estonia</td>
<td>50,0</td>
<td>96,2</td>
<td>99,0</td>
</tr>
</tbody>
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Ophthalmic in-patient departments in Lithuania

National center of Ophthalmology
Dynamics of cataract surgery in Lithuania 1994-2006 year

Dynamics of Phacoemulsification 1999 - 2006 year
Dynamics of IOL in Lithuania
1994-2006 year

Trends of cataract surgery in Lithuania
Dynamics of IOL in Lithuania
1994-2006 year

Dynamics of PMMA IOL
1994-2006 year
Dynamics of Foldable IOL 1996 - 2006 year

Cataract surgery in 2007:

- state institutions – 13 000 (97%)
- private institutions – 400 (3%)
Conclusion

- observed progress in cataract surgery (qualitative and quantitative)

- transition from ECCE to phacoemulsification is almost completed

- IOL are used in all cases with obvious tendency toward foldable IOL

- private practice (surgery) march it’s first steps