Audit of Cataract Surgery Outcomes 2015

George T Smith FRCS, FRANZCO
Tasmanian Eye Clinics Hobart
Cataract Outcomes Audit

• First 55 Cases with refractive outcomes returned
• Compared predicted versus measured spherical equivalent and compared to standard results from large studies
• Measured BCVA (Safety)
• Change in astigmatism with surgery
• Surgery performed by one surgeon GTHS
Post op Refraction
Percentage within predicted outcome

Within $\pm 1D$: 100%

Within $\pm 0.5D$: 83%
Mean Pre Op v Mean Post Op Cyl

- Mean Pre Op Astig
- Mean Post Op Astig

Dioptres
Centroid -0.64 @ 74 degrees
Percentage within predicted outcome

This Study

UKCND

Within +1D

Within +0.5D

Percentage
This study

6/12 or Better BCVA

<table>
<thead>
<tr>
<th>Percentage</th>
<th>This Study</th>
<th>Euroquo</th>
<th>UKND</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/12 or Better</td>
<td>100%</td>
<td>94%</td>
<td>90%</td>
</tr>
</tbody>
</table>

6/6 or better BCVA

<table>
<thead>
<tr>
<th>Percentage</th>
<th>This study</th>
<th>Euroquo</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/6 or better</td>
<td>86%</td>
<td>92%</td>
</tr>
</tbody>
</table>
Standard Outcomes for Refractive Surgery
Recommendations

• Standard cataract outcome graphs similar to what is available for refractive surgery (College working on this RCAT ?)
• Co ordination with EPR companies eg Houston to facilitate extraction of required data and creation of the graphs
• Up to date biometry machines
• Barrett toric calculator and Baylor nomogram
• Intra operative aberrometry
• Co-operation with companies eg Alcon
References


