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Refractive Subspecialty Day
Chicago: October 17, 2014
The authors have no financial interests in this survey study.
Sixth year of ONLINE*** Survey

E-mailed to 1022 U.S. ISRS members; 486 Opened

Eighteenth year of refractive data collection overall

15% response rate of the membership’s opened e-mail requests analyzed by October 8, 2014.

Alphabet soup of refractive surgery including corneal and lens-based surgeries, premium IOLs, and FS cataract surg.
> 5 Cases / Month

DUFFEY/LEAMING 2014
> 75 Cases / Month

*Peak in 2001; Valley in 2012-13*
Preferred Surgery For a 30 yo -10.00 Diopter Myope

* 40% LVC

DUFFEY/LEAMING 2014
Preferred Surgery For a 45 yo +3.00 D Hyperope

*63% LVC

DUFFEY/LEAMING 2014
Preferred Surgery For 45 yo +5.00 D Hyperope

Diagram showing the preferred surgeries for 45-year-old hyperopes with +5.00 diopters. The surgeries include Never, Surface Ablation, LASIK, RLE, P-IOL, and WAIT. The data is presented for different years: '99, '02, '05, '08, '11, '12, '13, and '14.
Willing To Do Bilateral Surgery At Same O.R. Visit

K Inlay
RLE
P-IOL

DUFFEY/LEAMING 2014
Family LVC Index: (LASIK or PRK Performed on Yourself and Family Members)

* >3X the general population

DUFFEY/LEAMING 2014
Family Presby-IOL Index: (Presby IOL Performed on Yourself and Family Members)

- Self: 7
- Spouse: 2
- Children: 2
- At least 1 Sibling: 4
- Parents: 26

* 2014 data
Family FS Cat Index: (FS Cat Performed on Yourselves and Family Members)

- Self: 4
- Spouse: 2
- Children: 1
- At least 1 Sibling: 0
- Parents: 11

* indicates a significant result.
Excimer Laser Most Commonly Used
FemtoSecond Cataract Laser
Most Commonly Used

<table>
<thead>
<tr>
<th>System</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>LenSx</td>
<td>58</td>
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<tr>
<td>Catalys</td>
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<tr>
<td>LensAR</td>
<td>12</td>
</tr>
<tr>
<td>Victus (B&amp;L)</td>
<td>6</td>
</tr>
</tbody>
</table>
Flapmaker Most Commonly Used

* 71% femtoflaps

DUFFEY/LEAMING 2014
Preferred Flap Thickness (when no other constraints)

DUFFEY/LEAMING 2014
Total Cases of Post LASIK Ectasia as the Primary Surgeon in Career

* Slight Growth Rate

DUFFEY/LEAMING 2014
Threshold of Astigmatism Offered Correction at Cataract Surgery

*68% will offer to correct astigmatism when it has reached 0.75 D and 97% when it has reached 1.25 D*

DUFFEY/LEAMING 2014
Procedure for Low Astigmatism Intervention (0.5 to 1.0 D)

*91% LRI/AK

DUFFEY/LEAMING 2014
Procedure for Medium Astigmatism Intervention (1.12 to 2.0 D)

DUFFEY/LEAMING 2014
Procedure for High Astigmatism Intervention (2.0 D plus)

DUFFEY/LEAMING 2014
Do You Currently Perform CXL?

DUFFEY/LEAMING 2014
Overview of Cataract Surgery:
% of All Cases of All Surgeons

DUFFEY/LEAMING 2014
Overview of FS Cataract Surgery:

% of All FS Cases of All FS Surgeons

- Primary Corneal Incision: 54%
- Secondary Corneal Incision: 49%
- Capsulorhexis: 84%
- Lens Fragmentation: 82%
- AK: 54%

DUFFEY/LEAMING 2014
*22% Increase in Total LVC from 2012-13.
*Ratio of PRK / Total LVC remained at 22% over past four years.
FemtoSecond Laser-assisted Refractive Cataract Surgery on the rise.

FS, Toric and PresbyIOL are not high volume refractive surgeries yet like LASIK in its heyday, but moving forward.

Multifocals trump Accomodative IOLs, but neither high penetration.

More astigmatism management (even low astig.) in cataract surgery.

Healthy LVC and Premium IOL Family Indices amongst refractive surgeons themselves and their families.

Post-LVC ectasia on a slight rise.
Thanks to the ISRS leadership for their support and for your participation in the 2014 Survey.

We look forward to your response to our seventh ONLINE survey and the nineteenth survey overall next fall.

***Complete 18 years of survey results found at www.duffeylaser.com