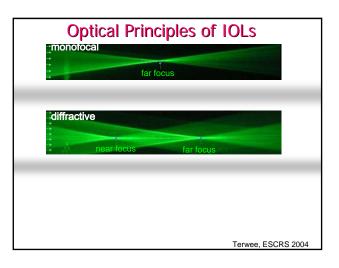
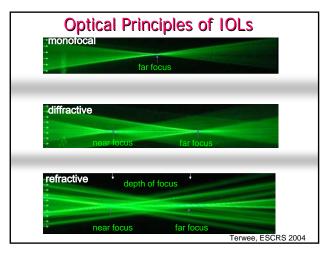
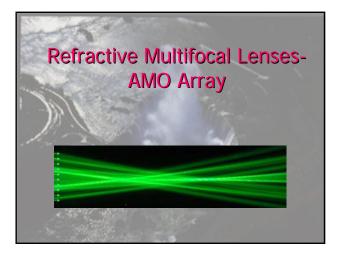


| Optical<br>monotocal | Principles of | IOLs               |
|----------------------|---------------|--------------------|
|                      | far focus     |                    |
|                      |               |                    |
|                      |               |                    |
|                      |               |                    |
|                      |               | Terwee, ESCRS 2004 |

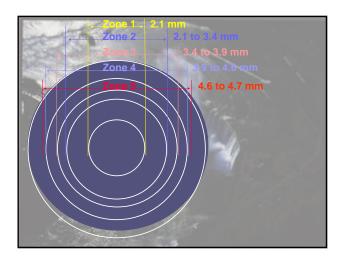


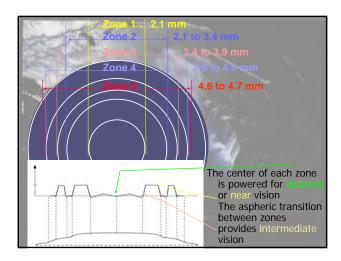
| monoroc    |                 | ciples of I    | OLs                |
|------------|-----------------|----------------|--------------------|
| diffractiv | e<br>near focus | far focus      |                    |
| refractive | near focus      | ↑<br>far focus | Terwee, ESCRS 2004 |

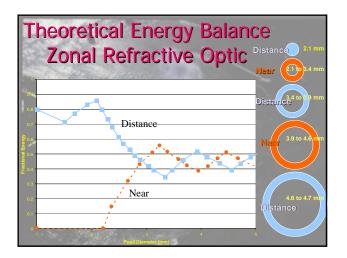


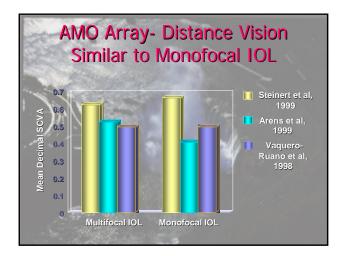


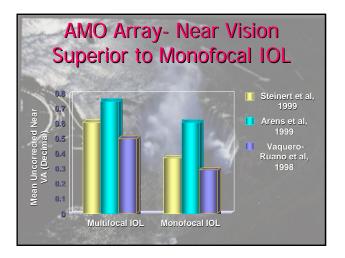


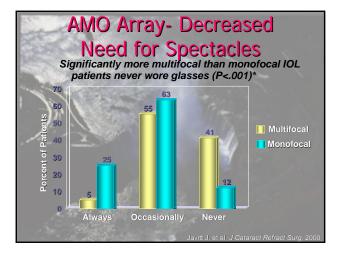


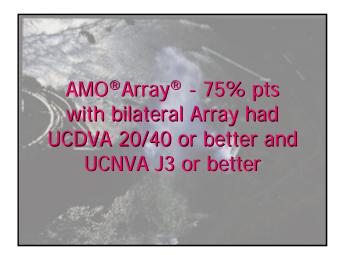


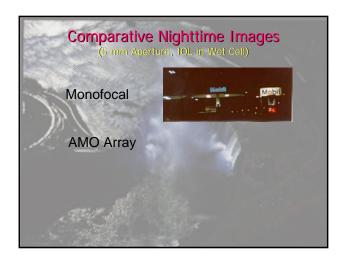


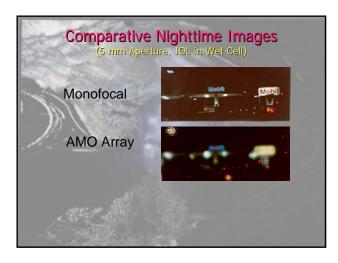






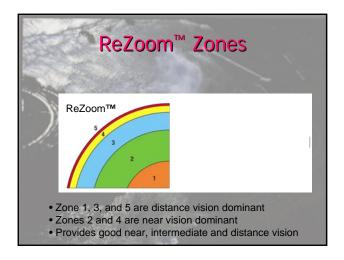


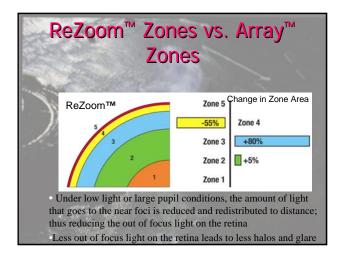












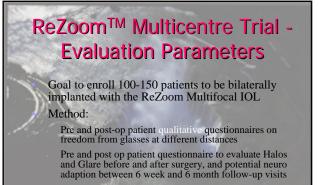


## OptiEdge<sup>™</sup> Triple Edge Design Patented design

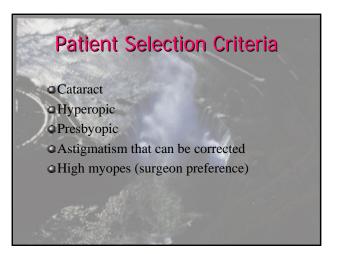
minimizes PCO CLowest reported incidence of visual aberrations compared with those associated with double-square edge barrier designs

| Rounded anterior edge<br>reduces internal reflections          |   |  |
|--|---|--|
| Sloping side edge<br>ninimizes edge glare                      | - |  |
| Square posterior edge —<br>lacilitates 360°<br>lapsule contact |   |  |





Pre and post-op surgeon qualitative and quantitative questionnaires on refraction and uncorrected visual acuity for Far, Near, and Intermediate distance

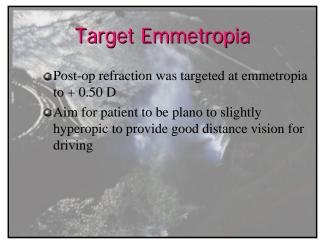


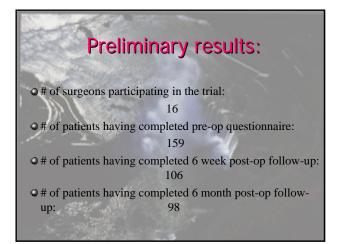
## **Patient Exclusion Criteria**

• Significant dry eye

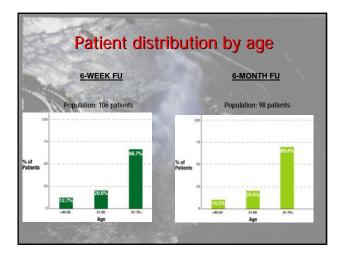
•Corneal scarring

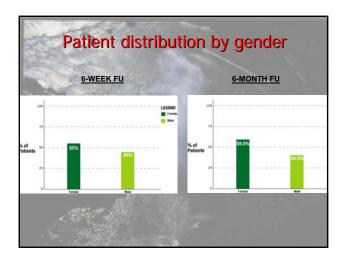
- Mild to moderate myopia
- •Pupil size <2.5 mm
- Monofocal implant in first eye
- Uncorrected post-op astigmatism >0.5 D
- O Unstable capsular support

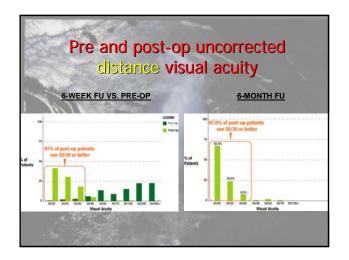


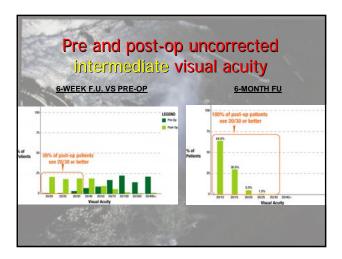


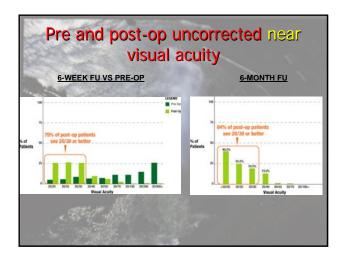
| Excluded Patients  |           |
|--|-----------|
|  |           |
| Received non-ReZoom lens in 2 <sup>nd</sup> eye  | 22        |
| ReZoom not implanted   | 7         |
| OLost to follow-up   | 6         |
| o Surgery cancelled  | 2         |
| Unilateral ReZoom  | 2         |
| No information   | <u>13</u> |
| AND AND THE STATE  | 53        |
| and the second |           |

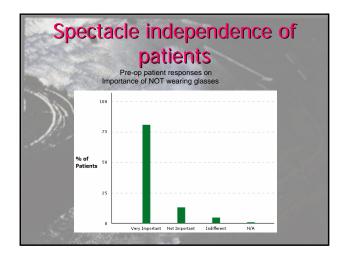


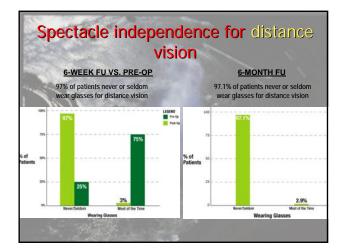


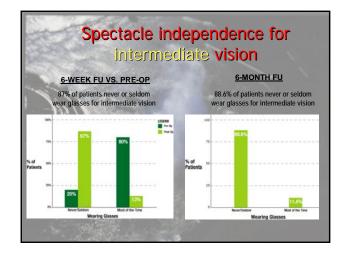


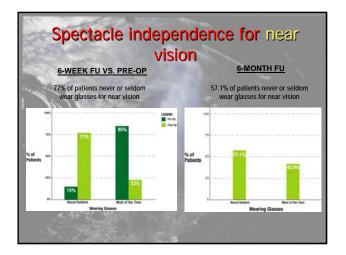


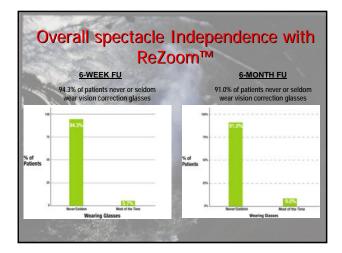




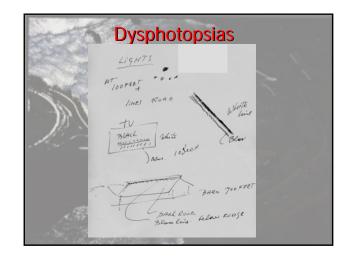


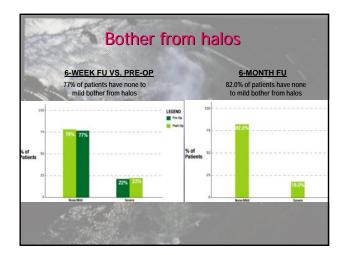


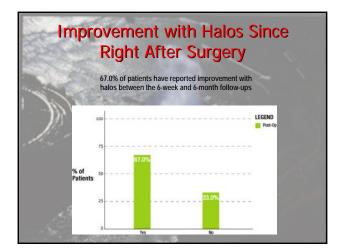


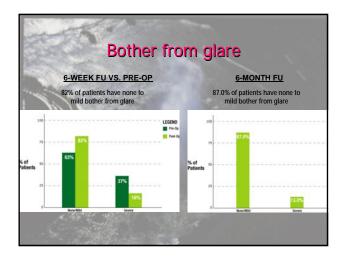


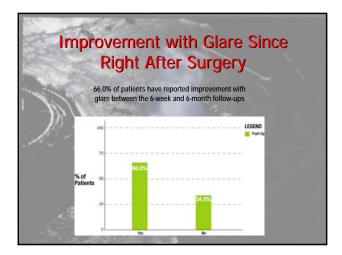
| Age Group | Q5 Patients<br>Wearing Glasses | Patient<br>Totals | Patient<br>% per Age Group |       | Surgeon Data<br>% at 20/30 or Bette |
|-----------|--------------------------------|-------------------|----------------------------|-------|-------------------------------------|
| 41-45     | Never                          | 3                 | 100%                       |       | 100%                                |
| 46-50     | Most of the time               | 1                 | 14.29%                     |       |                                     |
|           | Seldom                         | 1                 | 14.29%                     |       | 86%                                 |
|           | Never                          | 5                 | 71.43%                     | 86%   |                                     |
| 51-60     | Most of the time               | 6                 | 30.00%                     |       |                                     |
|           | Seldom                         | 5                 | 25.00%                     | 70%   | 90%                                 |
|           | Never                          | 9                 | 45.00%                     | 1070  |                                     |
| 61-65     | Most of the time               | 9                 | 50.00%                     |       |                                     |
|           | Seldom                         | 7                 | 38.89%                     | 50%   | 72%                                 |
|           | Never                          | 2                 | 11.11%                     | 50%   |                                     |
| 66-70     | Most of the time               | 8                 | 34.78%                     |       |                                     |
|           | Seldom                         | 9                 | 39.13%                     | 65%   | 96%                                 |
|           | Never                          | 6                 | 26.09%                     | 00 /0 |                                     |
| -         |                                | 10                | 10.1511                    |       |                                     |
| >70       | Most of the time               | 13                | 48.15%                     |       | 7.404                               |
|           | Seldom                         | 9                 | 33.33%                     | 52%   | 74%                                 |

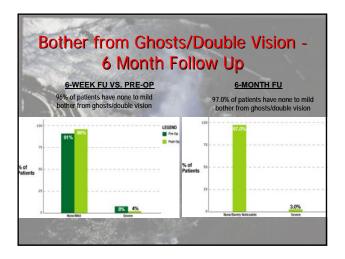


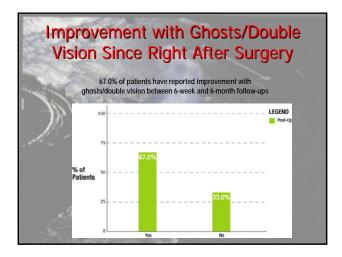


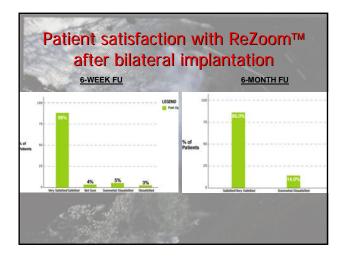


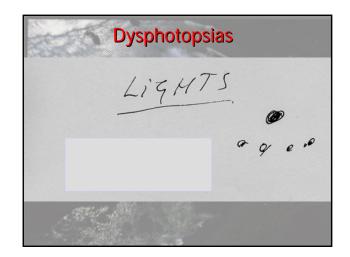


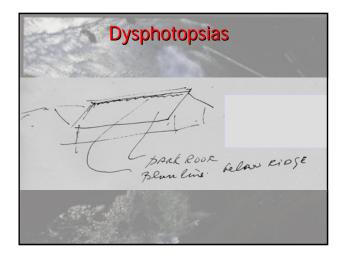


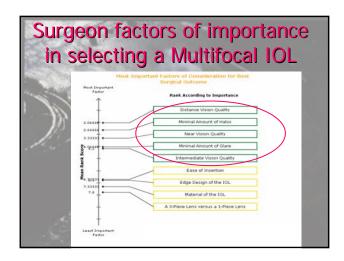
















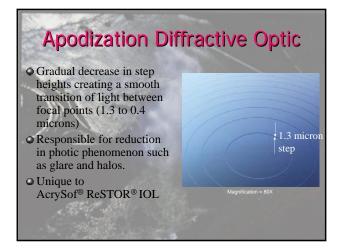
## Conclusions

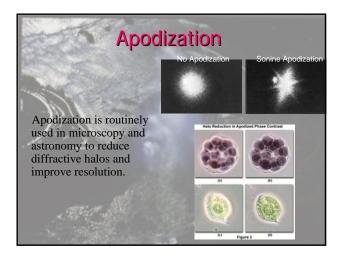
- Ongoing study
- ReZoom provides excellent distance & intermediate vision and satisfactory near vision
- Significant improvement in distance, intermediate and near vision at 6 months post-op
- Dysphotopic phenomena were not significant and improved by 6 months
- 90% patients were spectacle independent; 90% were satisfied at 6 months
- Younger patients more likely to be spectacle independent



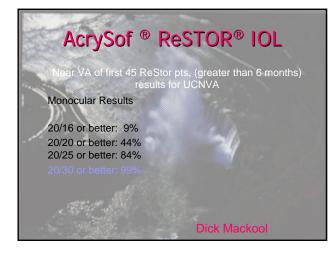
# AcrySof ® ReSTOR® IOL

- Diffractive Structure 3.6 mm center of optic; refractive peripheral area
- Incorporates +4.0 add at lens plane equaling +3.2 at
- spectacle plane
- Apodized diffractive optic to decrease halos
- Step heights peripherally decreasing 1.3 – 0.4 microns, peripherally decreasing widths

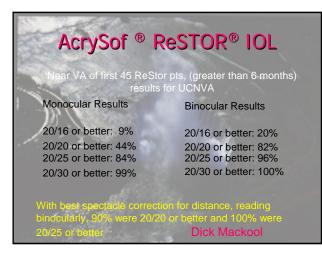


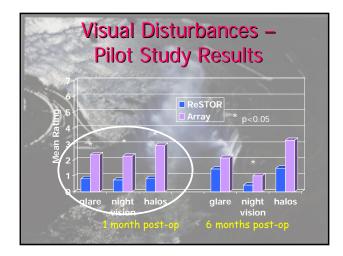


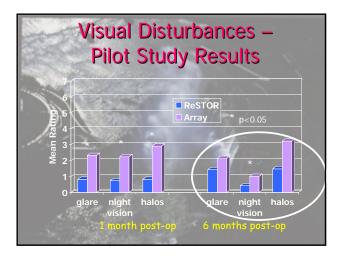


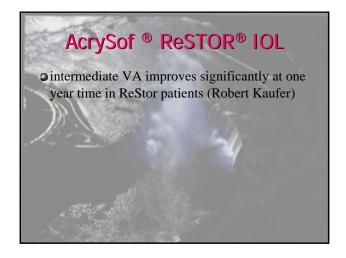




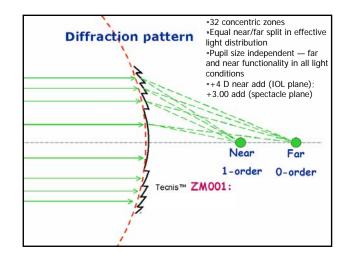




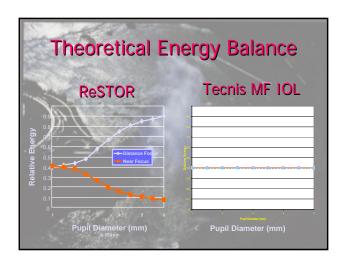


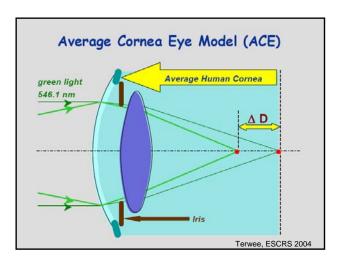


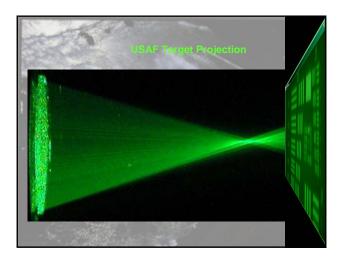


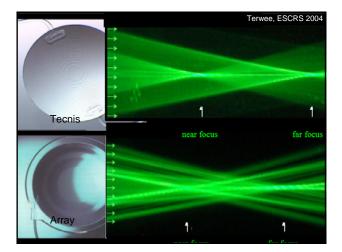


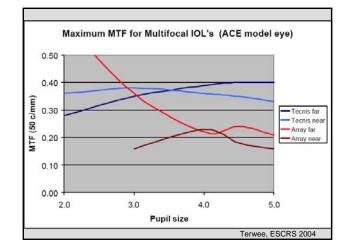


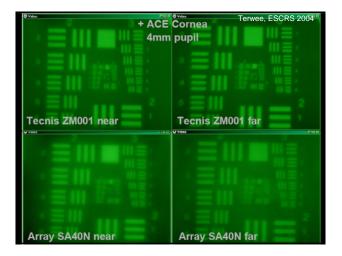


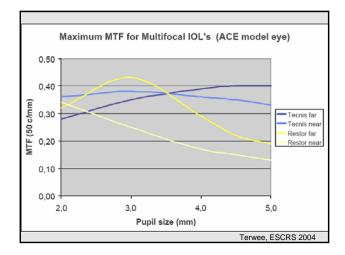


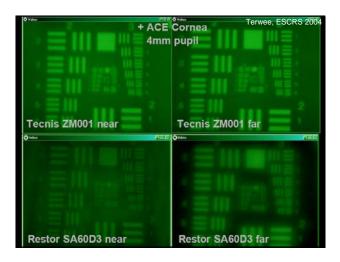


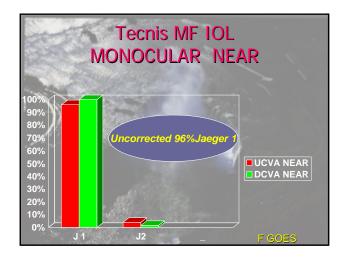


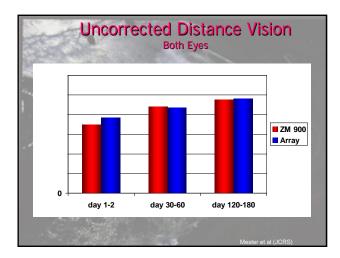


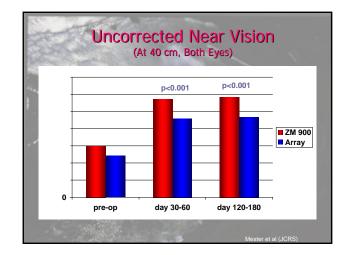


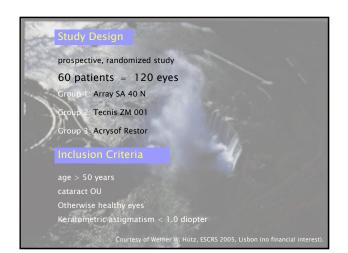


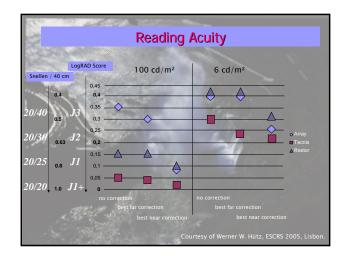




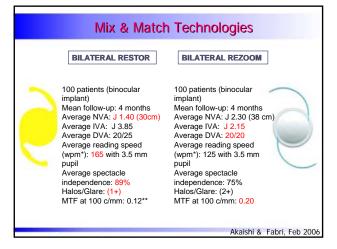






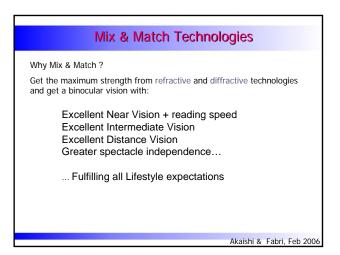


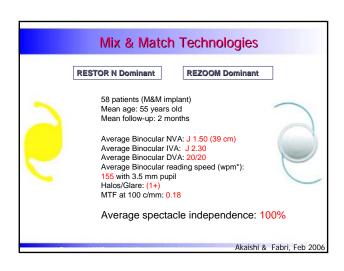
# Multifocal Optics Spectacle independence can be achieved Reasonable expectations Halos Improvements continue for 12+ months Diffractive & refractive both work well Differences reside in the details Customize for the individual patient

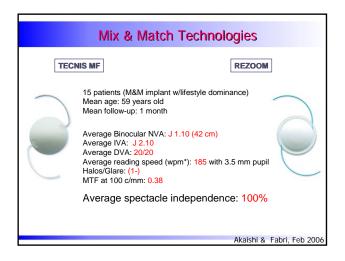


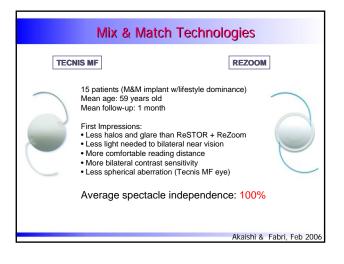












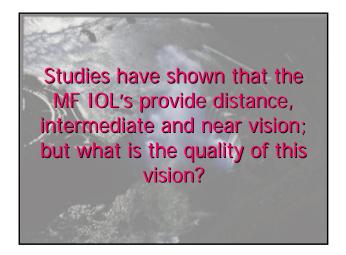
| 15            | Akais                        | hi & Fa                       | abri (20                    | 006)                            |
|---------------|------------------------------|-------------------------------|-----------------------------|---------------------------------|
|               | Bilateral<br>ReSTOR<br>n=100 | Bilateral<br>ReZoom®<br>n=100 | ReSTOR &<br>ReZoom®<br>n=88 | Tecnis® MF +<br>ReZoom®<br>n=15 |
| Near vision   | J 1.4 (30 cm)                |                               | *                           |                                 |
| Intermed. v.  | J 3.85                       |                               |                             |                                 |
| Far vision    | 0.8                          |                               | 1                           |                                 |
| Reading speed | 165                          |                               |                             |                                 |
| No glasses    | 89%                          |                               |                             |                                 |
| Halos         | 1+                           |                               |                             |                                 |
|               |                              |                               | Ak                          | aishi & Fabri (ASCRS            |

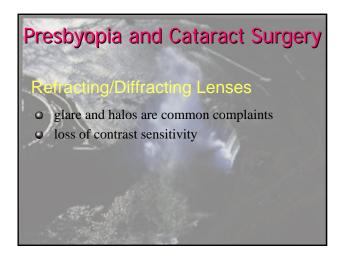
|               | Bilateral<br>ReSTOR<br>n=100 | Bilateral<br>ReZoom <sup>®</sup><br>n=100 | ReSTOR &<br>ReZoom <sup>®</sup><br>n=88 | Tecnis® MF +<br>ReZoom®<br>n=15 |
|---------------|------------------------------|---|---|---------------------------------|
| Near vision   | J 1.4 (30 cm)                | J 2.3 (38 cm)                             | *                                       |                                 |
| Intermed. v.  | J 3.85                       | J 2.15                                    |   |                                 |
| Far vision    | 0.8                          | 1.0                                       | 1                                       |                                 |
| Reading speed | 165                          | 125                                       |   |                                 |
| No glasses    | 89%                          | 75%                                       |   |                                 |
| Halos         | 1+                           | 2+  |   |                                 |

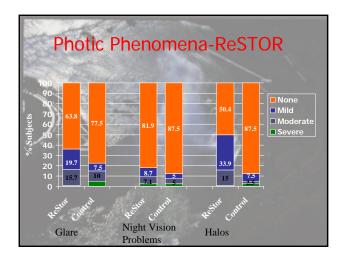
| Akais                        | hi & Fa  | abri (20  | 006)  |
|------------------------------|--|---|---|
| Bilateral<br>ReSTOR<br>n=100 | Bilateral<br>ReZoom <sup>®</sup><br>n=100                                    | ReSTOR &<br>ReZoom®<br>n=88   | Tecnis® MF +<br>ReZoom®<br>n=15   |
| J 1.4 (30 cm)                | J 2.3 (38 cm)  | J 1.5 (39 cm)   |   |
| J 3.85                       | J 2.15   | J 2.3   |   |
| 0.8                          | 1.0  | 1.0   |   |
| 165                          | 125  | 155   |   |
| 89%                          | 75%  | 100%  |   |
| 1+                           | 2+   | 1+  |   |
|                              | Bilateral<br>ReSTOR<br>n=100<br>J 1.4 (30 cm)<br>J 3.85<br>0.8<br>165<br>89% | Bilateral<br>ReSTOR<br>n=100         Bilateral<br>ReZoom <sup>®</sup><br>n=100           J 1.4 (30 cm)         J 2.3 (38 cm)           J 3.85         J 2.15           0.8         J 0.10           165         125           89%         75% | ReSTOR<br>n=100         ReZoom®<br>n=100         ReZoom®<br>n=88           J 1.4 (30 cm)         J 2.3 (38 cm)         J 1.5 (39 cm)           J 3.85         J 2.15         J 2.3           0.8         I.0         I.0           165         125         155           89%         75%         100% |

|               | Bilateral<br>ReSTOR<br>n=100 | Bilateral<br>ReZoom®<br>n=100 | ReSTOR &<br>ReZoom®<br>n=88 | Tecnis® MF +<br>ReZoom®<br>n=15 |
|---------------|------------------------------|-------------------------------|-----------------------------|---------------------------------|
| Near vision   | J 1.4 (30 cm)                | J 2.3 (38 cm)                 | J 1.5 (39 cm)               | J 1.1 (42 cm)                   |
| Intermed. v.  | J 3.85                       | J 2.15                        | J 2.3                       | J 2.1                           |
| Far vision    | 0.8                          | 1.0                           | 1.0                         | 1.0                             |
| Reading speed | 165                          | 125                           | 155                         | 184                             |
| No glasses    | 89%                          | 75%                           | 100%                        | 100%                            |
| Halos         | 1+                           | 2+                            | 1+                          | 1-                              |

|                           | Bilateral ReSTOR | ReZoom <sup>e</sup> + ReSTOR |
|---------------------------|------------------|------------------------------|
| Contraction of the second |                  | n=200                        |
| Far vision                |                  |                              |
| very satisfied/satisfied  | 75%              | 96%                          |
| lativer                   | 0%               | 4%                           |
| unsatisfied               |                  | 0%                           |
| Near vision               |                  |                              |
| very satisfied/satisfied  | 83%              | 96%                          |
| neutral                   | 0%               | 4%                           |
| Insatisfied               | 17%              | 0%                           |
| ndependence of glasses    | <del>0</del> 5%  | 94%                          |

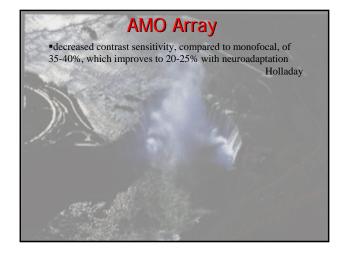




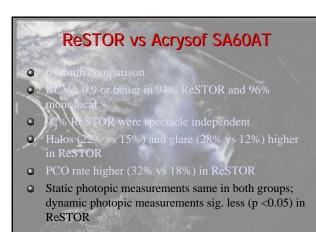


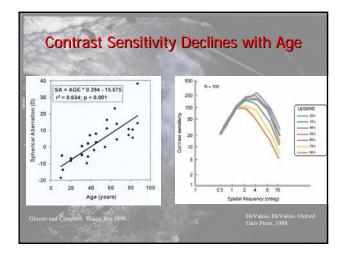
### **ReSTOR vs Acrysof SA60AT**

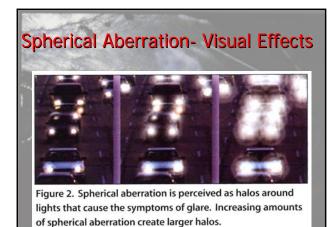
- 6 month comparison
- BCVA 0.9 or better in 94% ReSTOR and 96% monofocal
- 92% ReSTOR were spectacle independent
- Halos (22% vs 15%) and glare (28% vs 12%) higher in ReSTOR
- PCO rate higher (32% vs 18%) in ReSTOR

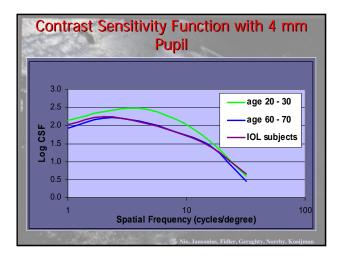


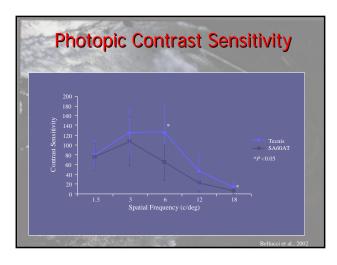
| eased co                |                         |                        | ) Arra  | -                      | monofocal,  | of  |
|-------------------------|-------------------------|------------------------|---|------------------------|---|-----|
|                         |                         |                        |   |                        | uroadaptatio  |     |
| vinc, white             | n mpro                  | oves te                | ) 20-25 /0 V  | with ne                | Holl  |     |
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|                         |                         |                        | ad Ca   | -                      | at Can  | -   |
| <u>JR- I</u>            | Jeu                     | eas                    | eu cu   | ) I I I C              | ast Sen   | 5   |
|                         |                         |                        |   |                        |   |     |
| 1 - manual              | au.                     |                        |   |                        |   |     |
| Sign Identit            | cation Distanc          | es For ReST            | OR MA66D3 Compa   | red to the Con         | trol Manofocal IOL:                                       |     |
|                         |                         |                        | Sector and the sector of the                            |                        | 2022/04/04/04/05/202                                      |     |
|                         |                         |                        |   |                        |   |     |
|                         |                         |                        |   |                        | P   |     |
|                         |                         | RUR                    | AL SCENE  |                        | СПУ   |     |
|                         |                         | RUR                    | AL SCENE  |                        | Sec. 1  |     |
|                         |                         | RUR                    | AL SCENE  | - 3                    | CITY<br>SCENE   |     |
|                         |                         | RUR                    | AL SCENE  |                        | Sec. 1  |     |
| Visibility              | Targets                 |                        | SIGN  |                        | SCENE   |     |
| Visibility<br>Condition | Targeta                 |                        |   | FEET                   | SCENE   |     |
|                         | Targets<br>Text         |                        | SIGN<br>% Loss over                                     |                        | SCENE<br>SIGN<br>% Loss over                              |     |
| Condition               | an thur d               | FEET<br>19<br>47       | SIGN<br>% Loss over<br>Control<br>7.5%<br>8.9%          | FEET                   | SCENE<br>SIGN<br>% Loss over<br>Control<br>10.8%<br>4.7%  |     |
| Condition               | Text                    | FEET<br>19             | SIGN<br>% Loss over<br>Control<br>7.5%                  | FEET<br>17             | SCENE<br>SIGN<br>% Loss over<br>Control<br>10.8%          |     |
| Condition               | Text<br>Warning         | FEET<br>19<br>47       | SIGN<br>% Loss over<br>Control<br>7.5%<br>8.9%          | FEET<br>17<br>10       | SCENE<br>SIGN<br>% Loss over<br>Control<br>10.8%<br>4.7%  |     |
| Condition               | Text<br>Warning<br>Text | FEET<br>19<br>47<br>33 | SIGN<br>% Loss over<br>Control<br>7.5%<br>8.9%<br>13.4% | FEET<br>17<br>10<br>21 | SCENE<br>% Loss over<br>Control<br>10.8%<br>4.7%<br>13.2% |     |

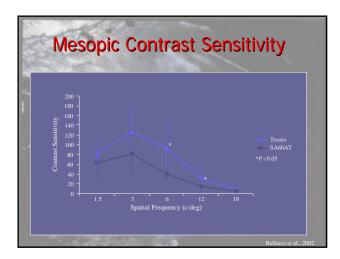


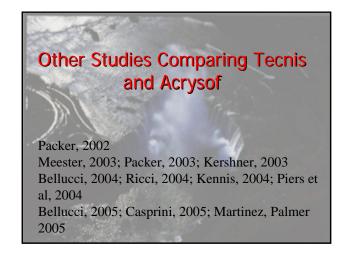


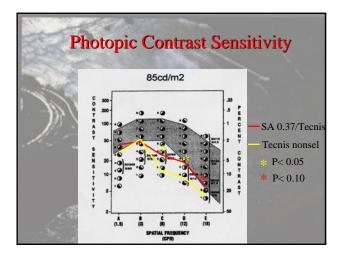


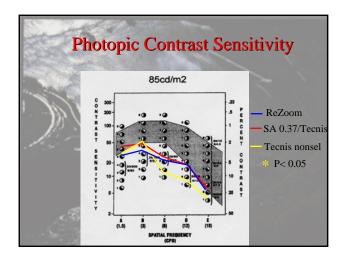




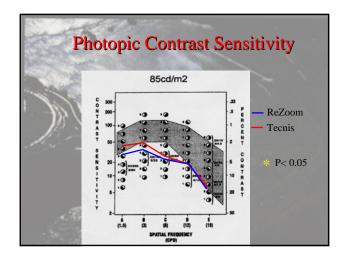


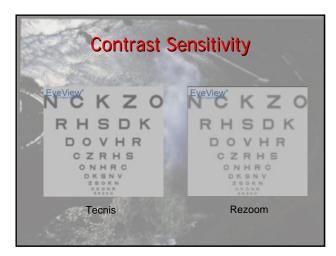


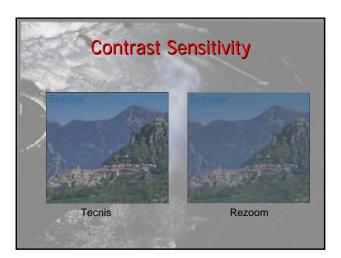


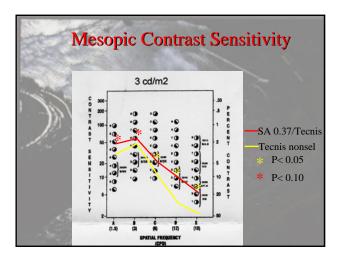


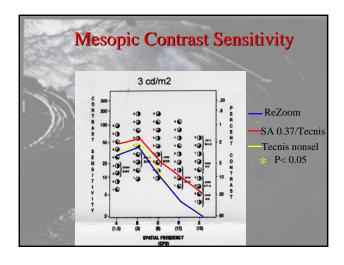


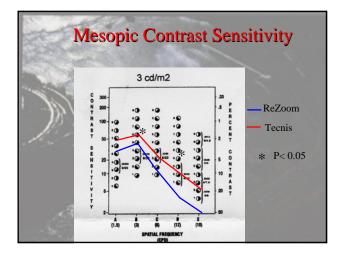


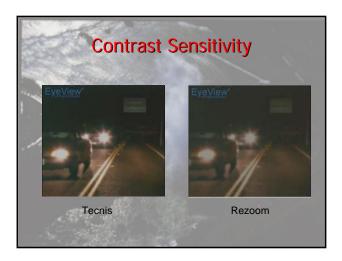


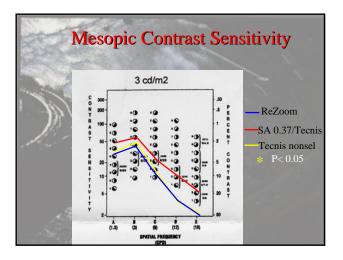


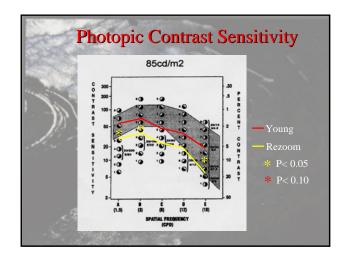


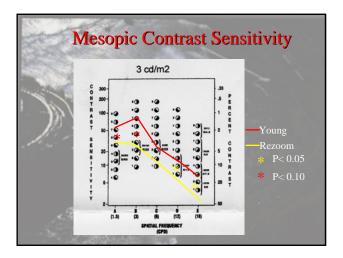


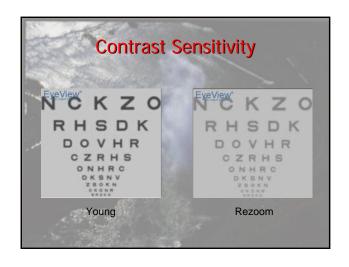


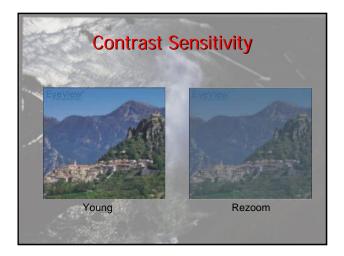


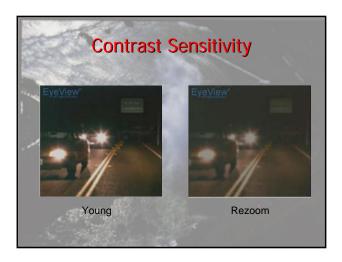


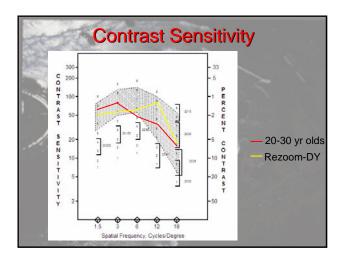


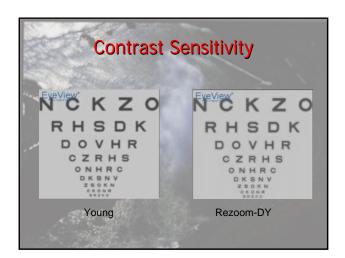


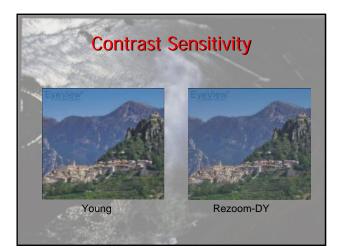


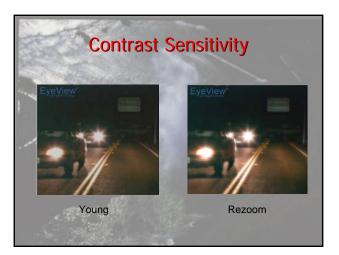












### Conclusions

- Multifocal IOL's can provide excellent distance & intermediate vision and near vision
- Significant improvement in distance, intermediate and near vision with time post-op
- Dysphotopic phenomena are minimal with newer lenses and strategies, and improved by 6 months
- Selected patients are satisfied
- Younger patients more likely to be spectacle independent

