



PATIENT SELECTION

1. ARE THEY INTERESTED IN BECOMING SPECTACLE FREE?
2. ARE THEY WILLING TO ACCEPT SOME OPTICAL COMPROMISES - GLARE and HALO'S?
3. LIFESTYLE-Demanding Tasks? -Truck Drivers -Hobby's?
4. PERSONALITIES: Cave Engineers -Physicists-Obsessive Persons
5. Discuss Laser Enhancement BEFOREHAND

THE "RIGHT" PATIENT

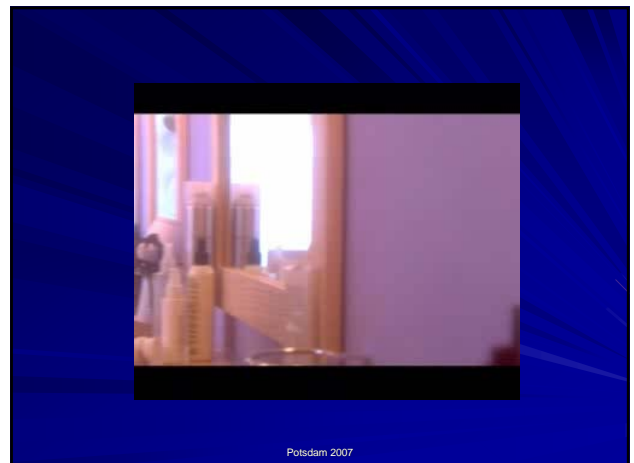
- Desires **Less** Dependence on glasses
- Is willing to be **Patient** with the process and recognizes that it may take time to adapt to the new visual system
- Has the means, to **PAY** for it

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UNDERPROMISE AND OVERDELIVER

- MORE PREOP. COUNSELING TIME=LESS POSTOP. COUNSELING TIME
- NEVER PROMISE TO BE FREE OF SPECTACLES
- WILL BE MORE INDEPENDANT WITH MULTIFOCALS AND MOST OF THE TIME THEY ARE SPECTACLE FREE

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TECNIS™ ReZoom
MULTIFOCAL IOL

HOW TO MATCH PATIENT NEEDS WITH INTRAOCULAR LENSES

Tecnis® ZM900

The Effect is pupil Independent

- Diffractive principle
- Newest generation high-refractive silicone
- Safe centration due to CapC haptics
- Near addition +4,0 D
- Prolate anterior surface

Tecnis™ ZM900

Light distribution 50/50

+5D to +34D

Sharp optic edge

Power add 4D = 3.2D spectacle plane

PROLATE Surface

DIFFRACTIVE pattern

Light distribution 50:50

+ ACE Cornea
5mm pupil

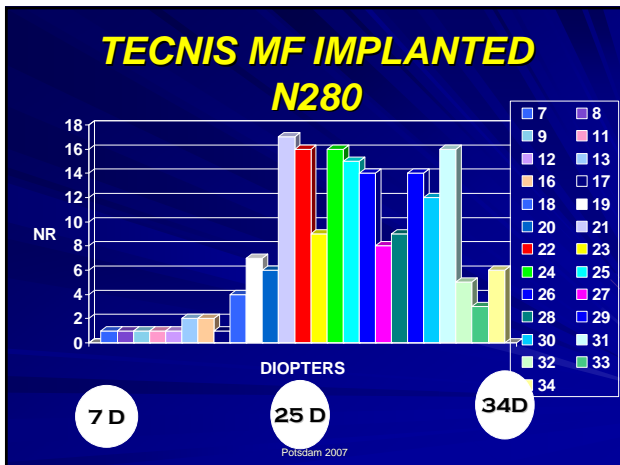
TECNIS ZM900 near

TECNIS ZM900 far

ReSTOR SA60D3 near

ReSTOR SA60D3 far

Multifocal IOL at Targets developed by the US Air Force



RESULTS ANTWERP EXAMINATION

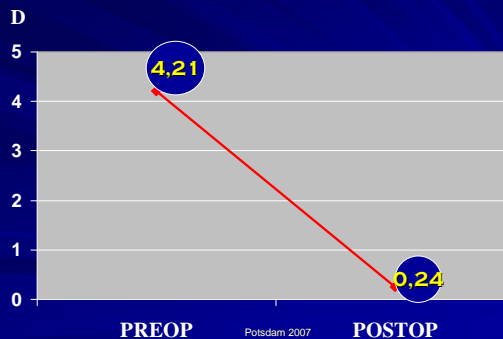
- D UNCORR.
- D BEST CORR.
- N UNCORR.
- NEAR UCVA WITH DISTANCE CORRECTION
- INTERMEDIATE
- DO YOU EXPERIENCE SIDE-EFFECTS?

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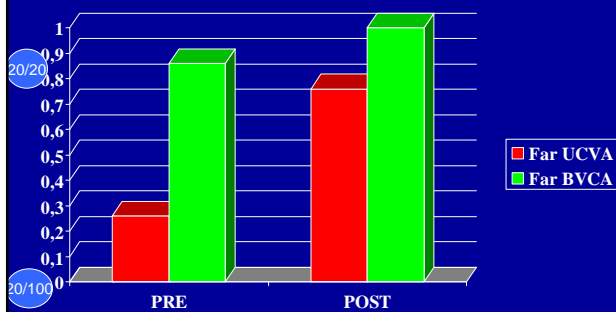
**REFRACTIVE LENSECTOMY
HYPEROPIA
TECNIS 104 EYES
SIMULTANEOUS
FUP MEAN 12M
D.RANGE +1.5 +9
CAME IN FOR REFRACTIVE
PURPOSES**

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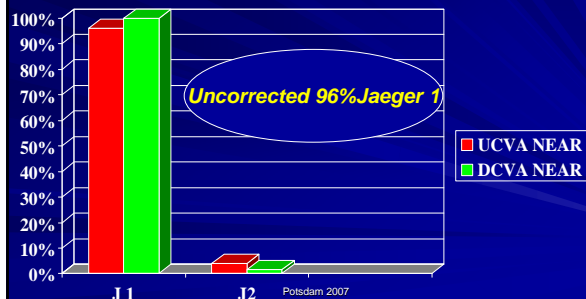
**MEAN SPH.EQ. BEFORE
AND AFTER**



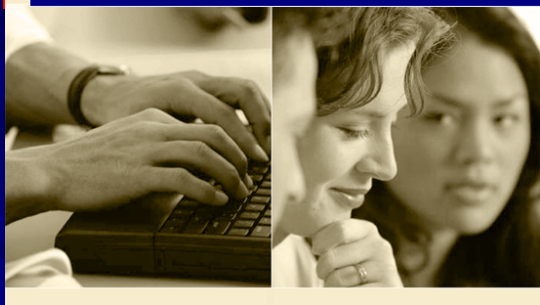
**MONOCULAR DISTANCE
UCVA BCVA**



**MONOCULAR NEAR
UNCORRECTED DISTANCE CORRECTE**



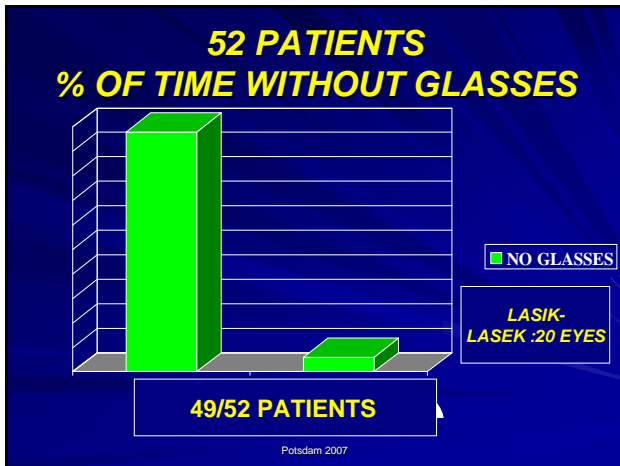
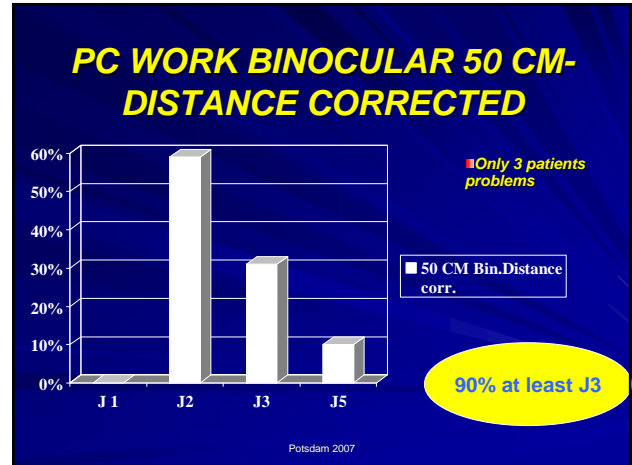
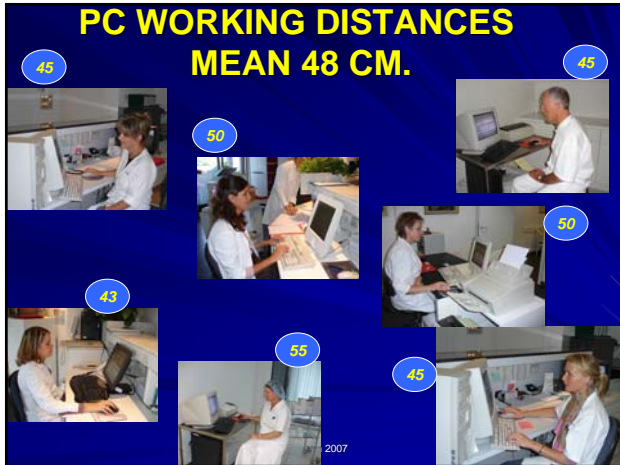
PC WORK



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**Functional Near Vision
Scores**

Near Score	Functional Equivalent
J1*	Medicine Bottle "fine print"
J1	Street Map Legend
J3	STOCK QUOTES
J5	Newspaper Text
J7	Business Letter (10 pt)
J10	Newspaper Headlines

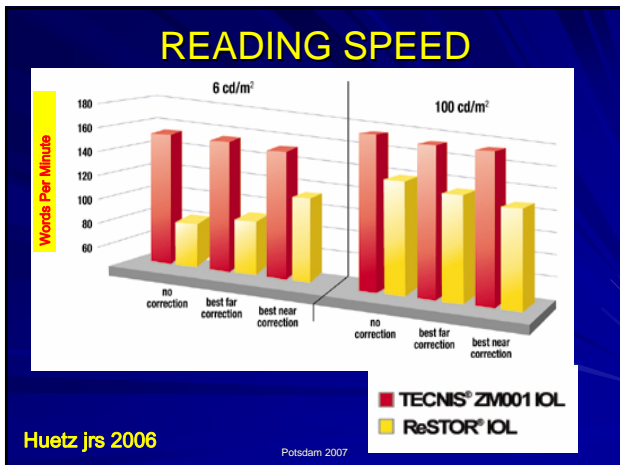


FUNCTIONAL VISION ???

Huetz et al; JCRS, 2007

- Study comparing
 - 20 patients Bilateral Tecnis ZM001
 - 20 patients Bilateral ReStor
- Reading Acuity and Reading Speed tested with Radner Reading Charts
 - Photopic - Mesopic
 - Dim Light Tecnis 142 w/min Restor 105

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TECNIS ZM900

- **STRONG POINT**
 - Very good distance vision
 - Excellent near vision, -even under low light conditions
- **WEAK POINTS**
 - Spectacles sometimes needed for intermediate vision -computer work

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VISUAL DISTURBANCES

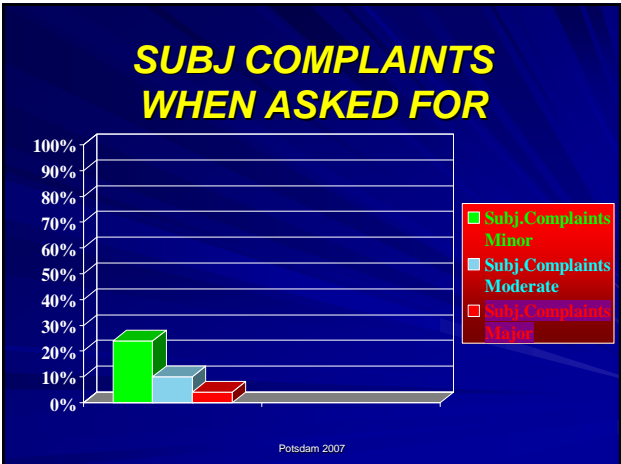
- ONLY TWO PATIENTS: IMPORTANT NIGHT DRIVING PROBLEMS
- ALL OF THEM WOULD RECOMMEND THE LENS
- NOT ONE PATIENT CONSIDERED EXPLANATION

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THESE COMPLAINTS IMPROVE OVER TIME

- Some patients will mention seeing rings from "Time to time" but are not disturbed
- Only **A MINORITY** will still have problems after 6 months

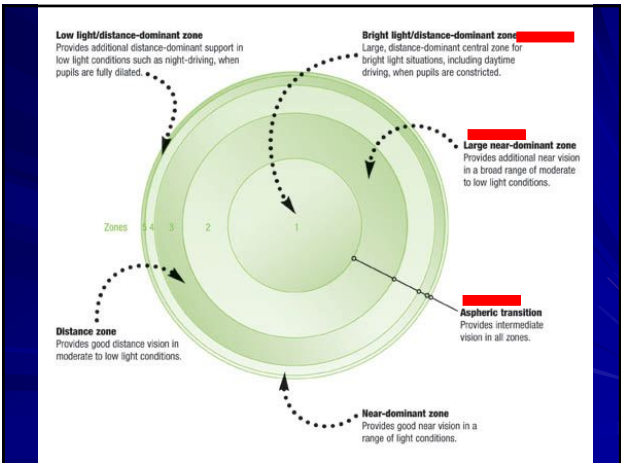
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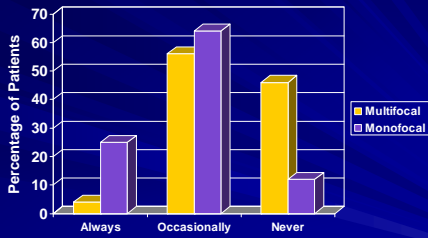
REZOOM®

- Multizonal refractive principle 5 zones
- Balanced View Optics for near, intermediate and distance vision
- Hydrophobic acrylate
- OptiEdge design
- Near addition 3,5 D

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Independence From Glasses

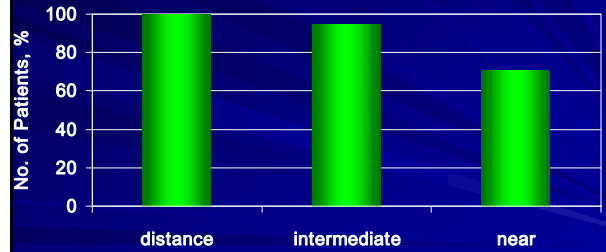


92% of ReZoom™ patients “never” or “occasionally” wear glasses.*

*Javitt JC. *Ophthalmology* 2000;107:2040-2048.

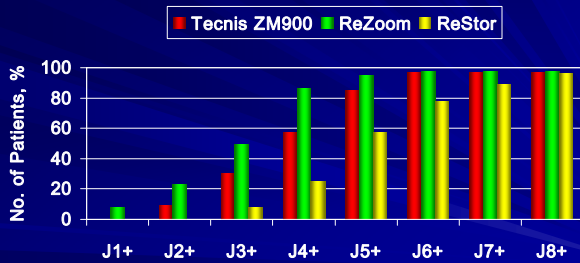
SPECTACLE INDEPENDENCE WITH ReZoom®

B. Dick –Cataract & Refractive Surgery 6/2005



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UNCORRECTED INTERMEDIATE ACTIVITIES



Akaishi (Eyeworld 8/2006)

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REZOOM



STRONG POINTS

- Very good distance vision
- Good intermediate vision

WEAK POINTS

- Spectacles sometimes needed for prolonged reading or small prints

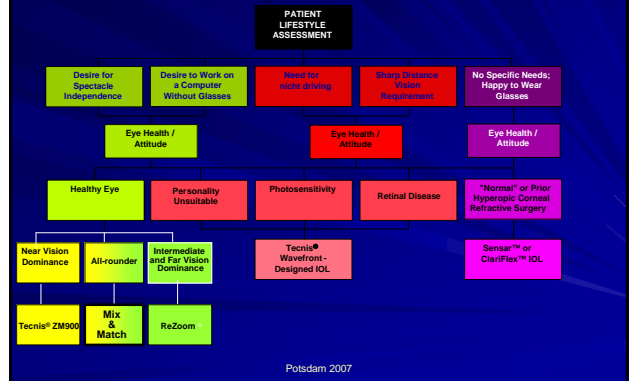
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HOW CAN WE IMPROVE???



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THE MATRIX



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CUSTOM MATCH

Patient Lifestyle determines the Choice of lens

"CUSTOMIZE AND MATCH"
You have the choice between
Bilateral Refractive MIOL
Bilateral Diffractive MIOL
Mix of Both optical principles

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EXAMPLES

- Professional car driver during day and night
– Tecnis® Monofocal
- Bookworm
– Tecnis® Multifocal
- Nature lover -Golfer- "**Gary Player**"
– ReZoom®
- Wish for less spectacle dependence
– Mix & Match

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CUSTOMIZING HAS IT BEEN DONE BEFORE?

- Günenc (Turkey; ASCRS 2003)
- Akaishi & Fabri (Brasil; ASCRS 2006)
- Bucci (USA; ASCRS 2006)
- Kairala (Brasil; ASCRS 2006)
- Milne (USA; ASCRS 2006)
- Goes Prospective study

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CUSTOM MATCH FRANK BUCCI Jr GREEN BETTER OR IDEM AAO 2006

	Bilateral ReSTOR N=55	ReZoom® + ReSTOR n=39
Bilateral Intermediate	J=3,81	J=2,39
Bilateral Near	1,00	1,06
Voluntary Complaints Intermediate	27,3%	0%

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Akaishi & Fabri (2006) GREEN BETTER OR IDEM

	Bilateral ReSTOR n=100	Bilateral ReZoom® n=100	ReSTOR & ReZoom® n=88	Tecnis® MF+ ReZoom® 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-


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Lopez Castro ESCRS 2006) 1 Year fup GREEN BETTER OR IDEM


	Bilateral MIOLS (36)	Tecnis Rezoom n=31
Near MESOPIC	J 4,1	J2,4
Intermediate mesopic	J 5,3	J 4,2
Distance mesopic	J1,18	1,17
No glare-halo	64%	86%
Never Glasses	81%	85%

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NEAR VISION





- 27/28 TECNIS EYES COULD READ J1
- 15/28 REZOOM EYES COULD READ J1



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INTERMEDIATE VISION

- 18/28 TECNIS COULD READ J5
- 27/28 REZOOM COULD READ J5

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SUBJECTIVE COMPLAINTS

- ONLY 2/28 PATIENTS DISTURBING SUBJECTIVE COMPLAINTS
- MINOR COMPLAINTS IMPROVED OVER TIME

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CUSTOMIZING TECNIS -REZOOM

Antwerp 3 M FUP



- 28 PATIENTS IN THE STUDY
- ALL SPECTACLE FREE
- SATISFACTION DEGREE VERY HIGH ++
- ALL DISTANCES COVERED
- REZOOM IS MY COMPUTER EYE
- IMPORT. SUBJ COMPLAINTS MINIMAL 2/28

CUSTOMIZING IN ORDER TO


OBTAIN EXCELLENT VISION AT ALL DISTANCES

FAR
INTERMEDIATE
NEAR

ELIMINATE COMPLAINTS OF GLARE AND HALOS



WE WANT HAPPY PATIENTS



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