

Multifocal Presbyopic Corneal Treatment: Vejarano Method

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FUNDACION OFTALMOLOGICA VEJARANO

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I DON'T HAVE FINANCIAL INTEREST



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PURPOSE

To evaluate the predictability, reproducibility, efficacy, reliability and the stability of this Multifocal Corneal Laser treatment in Presbyopic eyes depending of their defect.



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METHODS

Prospective study of the results in Pseudoaccommodation, refraction, visual acuity corrected and uncorrected for far and near distance, residual defect, contrast sensitivity and stereopsis using the Visx Star S4 IR Custom Vue treatment with central and peripheral ablation profile with the PresbV (Vejarano Method).



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PresbV

Vejarano Method

ADVANTAGES (NOT MONOVISION)

Has its own software and could be introduced in WaveScan and now in the iDesign:

- Surgeon Friendly, reliable, reproducible
- Introduce a very good refraction, NO adjustments
- Select the Dominant and Non-Dominant eye
- No difference depending of the patient age



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PresbV

40 to 65 y/o: (Since 27th March 2009)

Myopes (-0.75 to -6.25)

Hyperopes (+1.25 to +6.00)

Emetropes (+1.00 to -0.50)

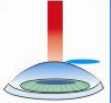
Astigmatism (any magnitude)

Total of 303 eyes of 177 patients

126 binocular and 51 monocular (only with **PresbV**)



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Results PresbV Hyperopes

Since 5th June 2009

215 eyes of 129 patients



51 men / 78 women



43 monocular / 86 binocular



Enhancements: 4 (3 Binocular / 1 Monocular)

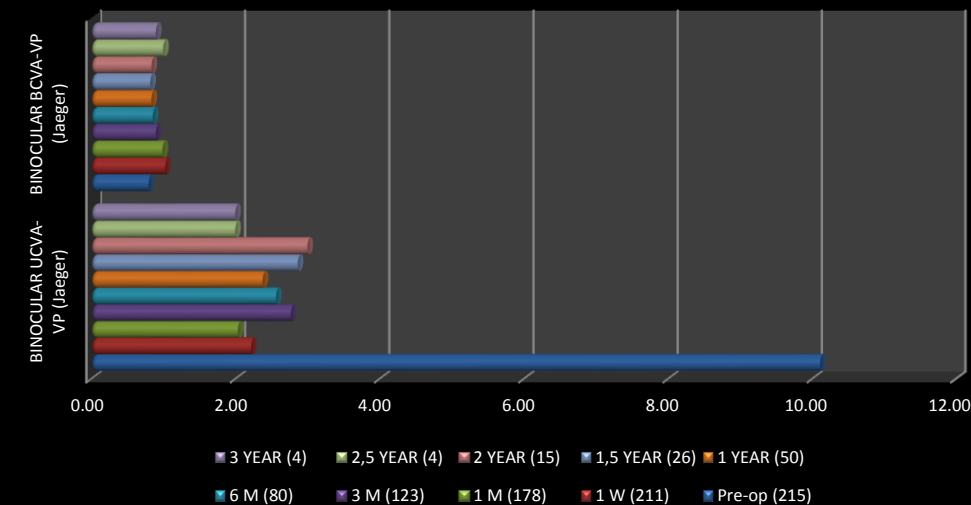
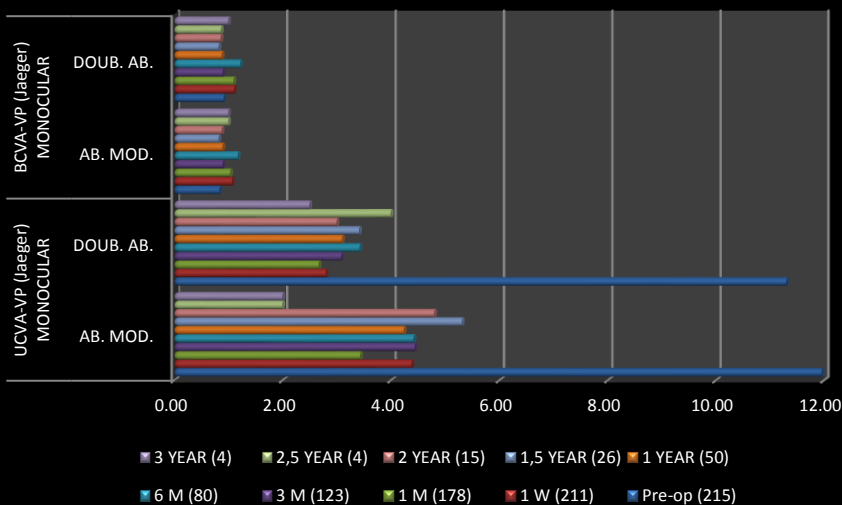
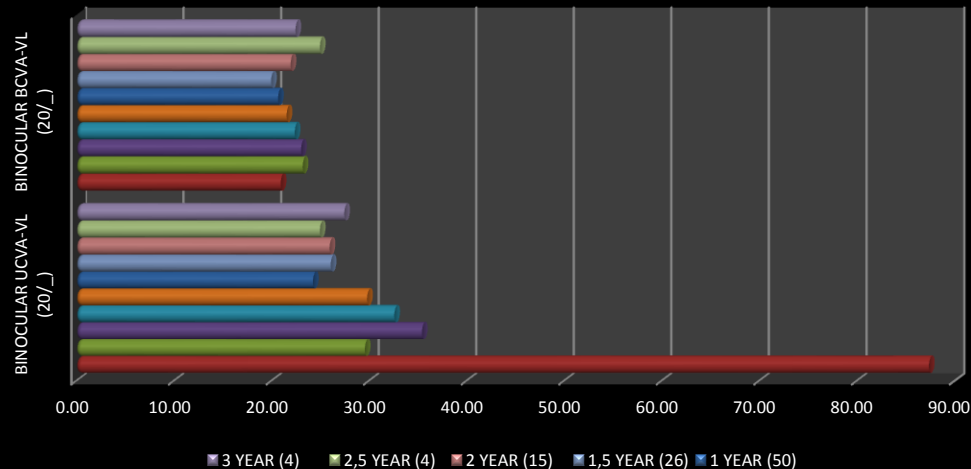
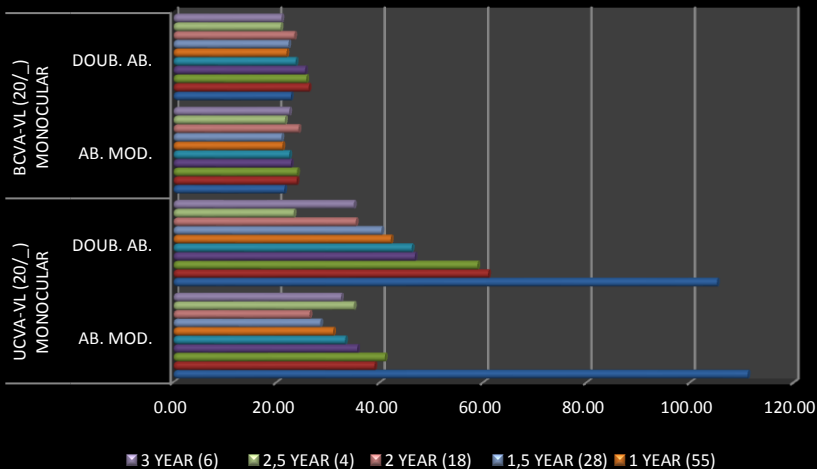


Age: Range 40 to 64 years

Average 52,64 years

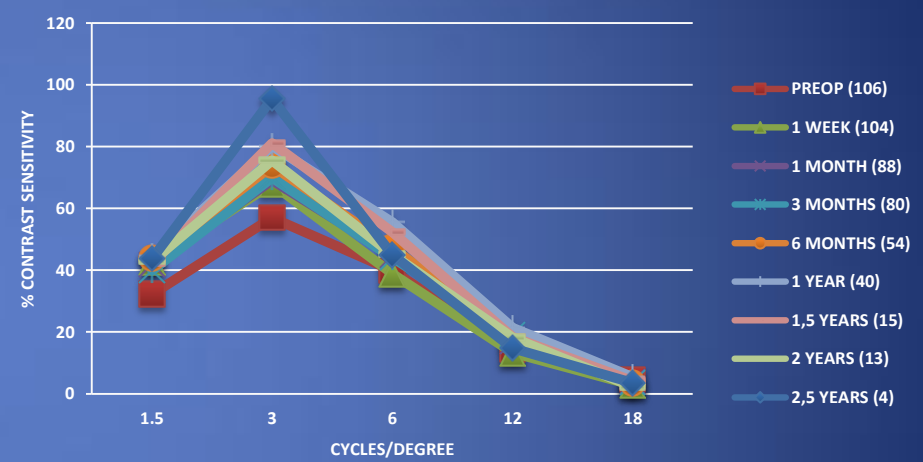


RESULTS PresbV PRESBIOPIIC HYPEROPES

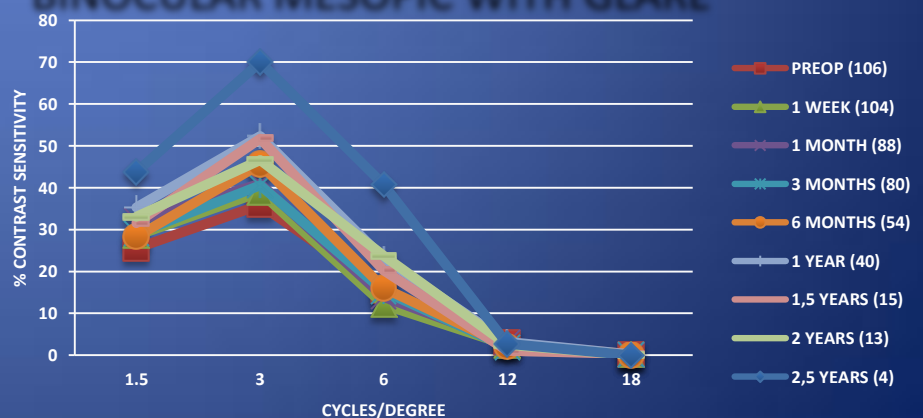




BINOCULAR FOTOPIC WITH GLARE

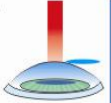


BINOCULAR MESOPIC WITH GLARE





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Results PresbV Myopes

Since 27th March 2009

88 eyes of 48 patients



28 men / 20 women



8 monocular / 40 binocular



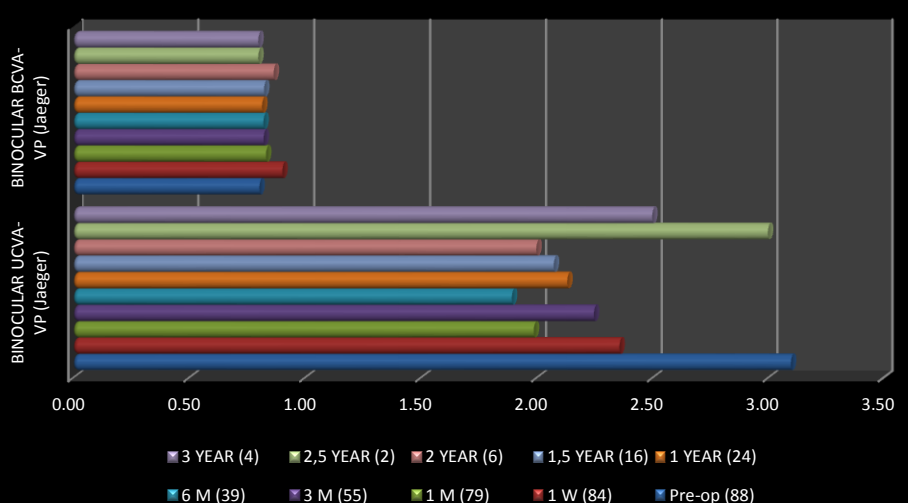
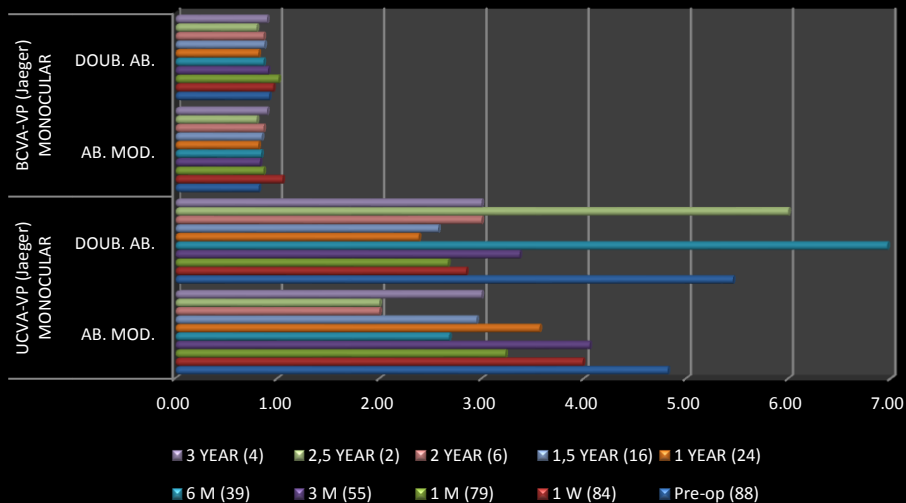
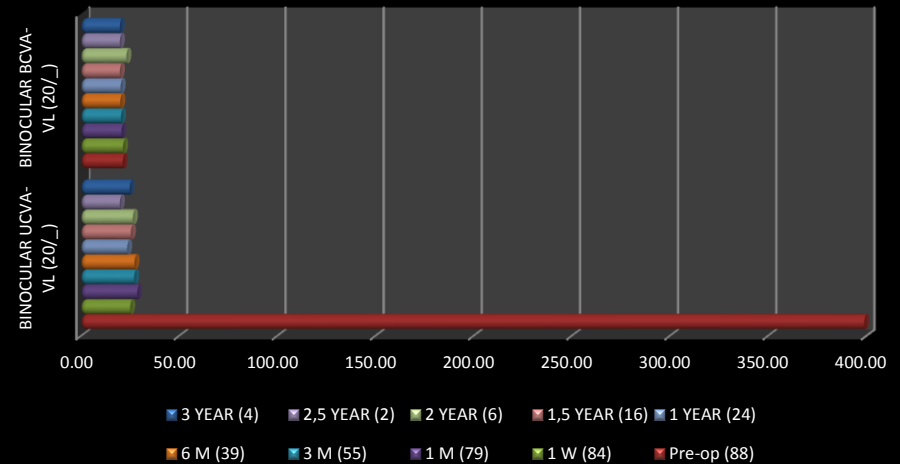
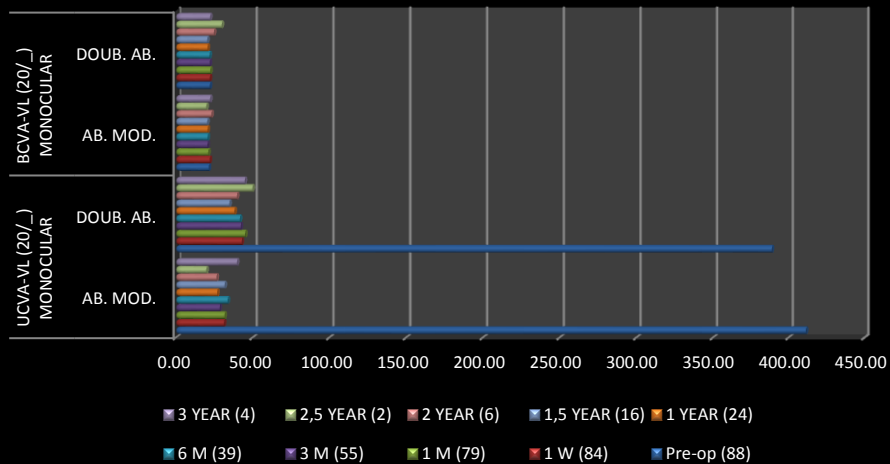
No Enhancements



Age: Range 40 to 64 years

Average 48,76 years

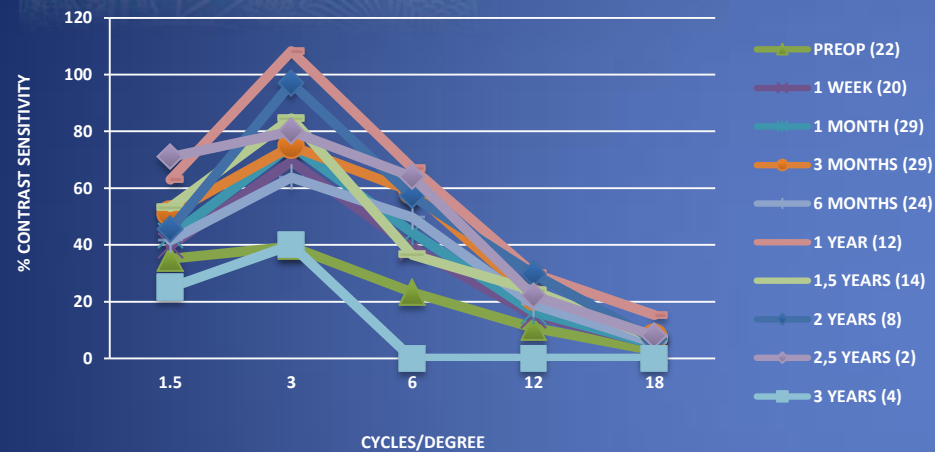
RESULTS PresbV PRESBIOPIC MYOPES



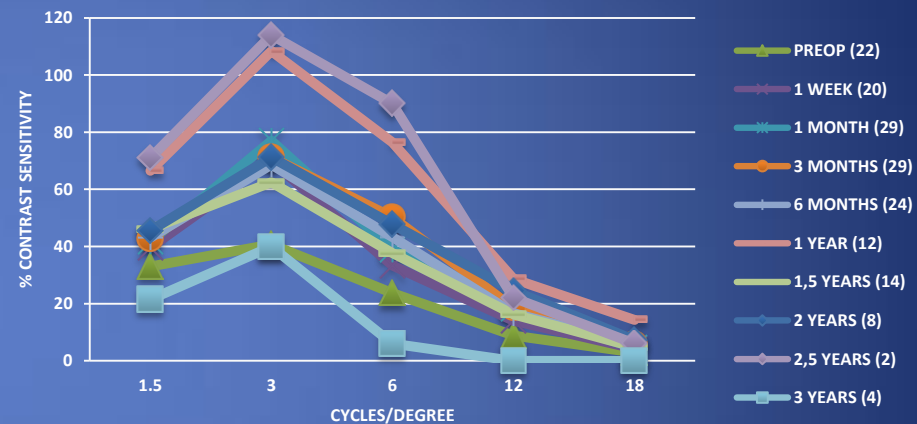


RESULTS PresbV PRESBIOPIC MYOPES

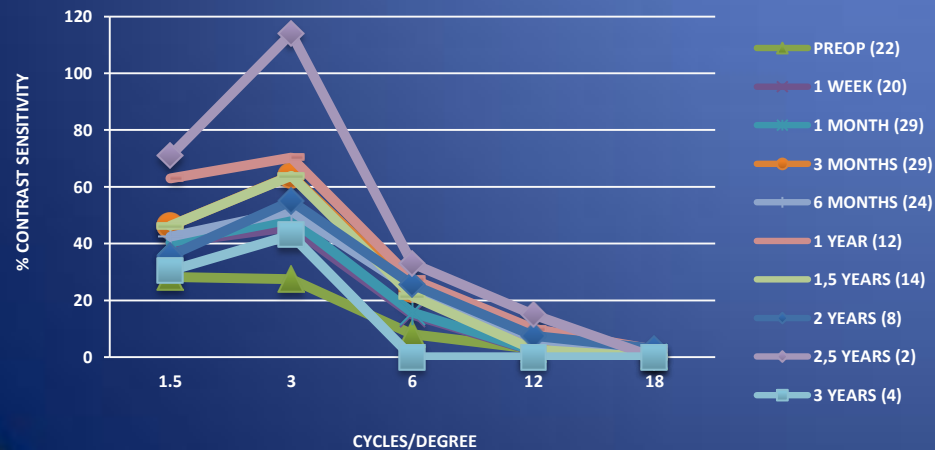
BINOCULAR FOTOPIC WITHOUT GLARE



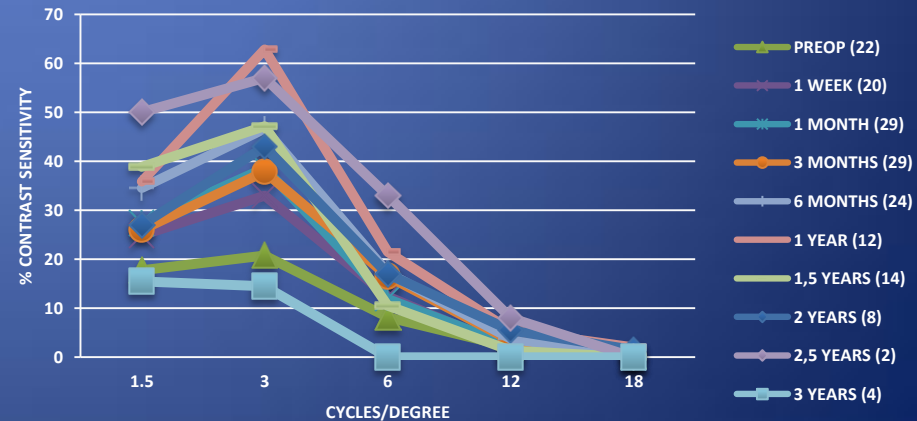
BINOCULAR FOTOPIC WITH GLARE



BINOCULAR MESOPIC WITHOUT GLARE



BINOCULAR MESOPIC WITH GLARE





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CONCLUSIONS

- Today there is not a single technique that corrects permanently Presbyopia
- The **PresbV** gives a very good glass independence, excellent vision in ANY distance and in any kind of defect also doesn't decrease contrast sensitivity
- The **PresbV** looks a very promising less invasive technique for Presbyopic treatment to almost every patient
- The results and successful of the surgery depends of the patient needs and expectations