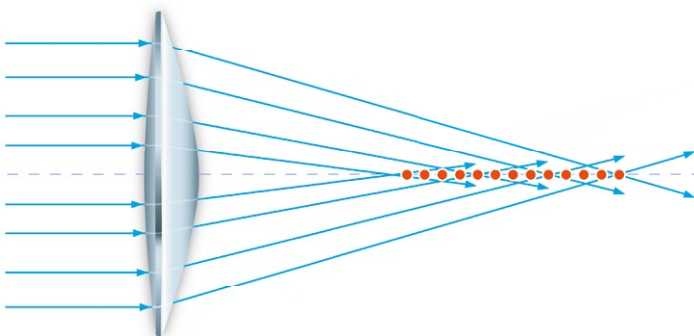


WIOL-CF[®]: SUPERIOR RESULTS IN LONG TERM FOLLOW-UP



WIOL-CF[®] (Wichterle IOL — Continuous Focus) is the bioanalogic polyfocal intraocular lens with exceptional depth of focus and natural pupillary influence on focus, made of soft hydrogel enabling change of shape and accommodation.

WIOL-CF[®] was developed by collaborators of prof. Otto Wichterle, the inventor of soft contact lenses. After obtaining CE Mark in 2005 WIOL-CF[®] was implanted in thousands of patients and it has proven its reliability and demonstrated long-term stability of its functions and material in vivo. In order to document the long-term function, the patients of three clinics were invited several years after implantation for examination of their vision quality. This investigation has proven that unique features of WIOL-CF[®] such as depth of focus, accommodation or high transparency of the material serve patients with the same quality for many years.



Polyfocality (depth of focus) of WIOL-CF[®] is achieved through negative spherical aberration derived from smooth hyperbolic shape of its optics. Optical power decreases continuously from center to the periphery of the lens and creates infinite number of focal points. This creates an image with large depth of focus using one of the mechanisms of action that are used also by young crystalline lens to enable sharp vision on all distances.

Please pay attention to the following important statement:

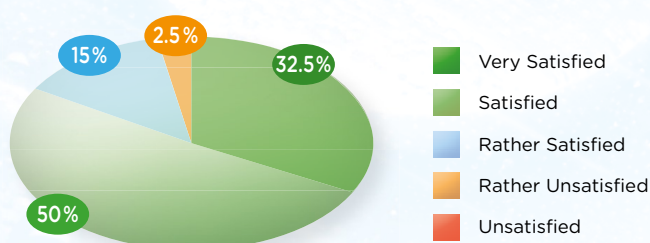
This print represents the size of logMAR 0.3. If you are able to read this text from the distance of about 40 cm then you know what the WIOL-CF[®] will bring to your patients for near visual acuity.

WIOL-CF[®]: SUPERIOR RESULTS IN LONG TERM FOLLOW-UP

Presented results have been collected at 3 clinics from 40 patients. Inspected lenses have been implanted from 2-9 years ago (average time after implantation 5.6 years, average age of patient in time of examination 70 years). All together, the dataset represents more than 290 “eye-years” of recorded experience.

OVER 97% SATISFIED*

PATIENTS REPORTED SATISFACTION WITH LONG TIME PERFORMANCE OF WIOL-CF[®]



73% ACCOMMODATING ON ITRACE**

MOST OF EYES EXPOSED TO ACCOMMODATION STIMULUS SHOW REFRACTION CHANGE ADEQUATE TO REAL ACCOMMODATION

	AVERAGE
ACCOMMODATION VOLUME	4.42 D
PEAK ACCOMMODATION	3.09 D

TRANSPARENCY OF MATERIAL

None of inspected lenses have shown visible changes of the lens itself such as glistenings, deposits or opacification.



WIOL-CF[®] UNCORRECTED VISUAL ACUITY 2-9 YEARS AFTER IMPLANTATION

BINOCULAR UNCORRECTED VISUAL ACUITY	N	MEAN
FAR	40	0.01 logMAR
INTERMEDIATE		0.12 logMAR
NEAR		0.36 logMAR

* High level of „social functioning“ and „independence“ scored by 99 and 98 out of 100 points in NEI-VFQ 25 questionnaire

** iTrace aberometry is evaluation of differential refraction map when focusing to far and near (33 cm)

Reference:

Mazal Z. et al. Long term results of WIOL-CF[®] intraocular lens implantation. Presented on Congress of Czech Society of Refractive and Cataract Surgery, Ostrava 5/2014