

IOL-Vip REVOLUTION – SELECTION OF THE PATIENT

INDICATION

The IOL-Vip Revolution maintains the functional characteristics of the IOL-Vip Standard created by Lenspecial in 2001. The IOL-Vip Standard (or mixed) requires the insertion of an IOL strongly negative in the capsular bag or in the sulcus and a strongly positive in the anterior chamber. The new IOL-Vip Revolution is totally inserted in the capsular bag and consists in an equatorial ring in material acrylic, a strongly negative IOL with loupes having different lengths for obtaining the effect prismatic, and a strongly positive IOL to be inserted orthogonally to the negative to reproduce the same visual improvement simulated during the pre-operative assessment. The IOL-Vip Revolution, does not require a pre and post-operative rehabilitation (although it is advisable in the post-operative).

PATIENT ASSESSMENT

In order to obtain the correct lens to implant, the minimal evaluation required are:

- Flatter radius
- Axial length
- Prismatic direction (when required)

Optional (mandatory when there is a request of automatic statistics)

Pre-operative:

- VA when the patient is taking in charge
- Correction in use
- VA by the simulation
- Visual field
- Keratometry

Post-operative

- VA after 8 days and every three following months
- Refraction
- Visual field

SOFTWARE SAVA PLUS PROCEDURE

The **SAVAplus** software is devoted to support all the procedures (surgical and rehabilitative) created by Lenspecial-Subvision. All data collected and loaded in the program are mandatory to automatically obtain the patient's suitability for intervention, the rehabilitation path pre-op and/or post-op digitized and customized to each individual patient and, finally, the correct placement of the IOLs in eye in order to obtain the improvement tested with the simulator.

EXCLUSION CRITERIA

- The same used for cataract surgery
- No VA benefits by the test with simulator with prismatic effect
- No VA benefits by the test with the simulator without prismatic effect
- Lack of motivation

INCLUSION CRITERIA

- The same used for cataract surgery
- Improvement by the test with simulator with prismatic effect
- Improvement by the test with simulator without prismatic effect
- Good motivation

SURGICAL PROCEDURE (in addition to the normal procedures for cataracts)

- Capsulorhexis 8mm
- Enlargement of the incision to 7.2 mm
- Inserting slower of the SALring in the capsular bag
- Insertion of the negative IOL in hollow of the SALring, with the haptic longer in the direction of the base of the prism (1 to 12)
- Insertion of the positive IOL in the hollow of the SALring positioning orthogonally to the negative one

PHARMACOLOGICAL THERAPY

- The same used for cataract surgery

CONTROLS AND REHABILITATION THERAPY (if required)

- The day after the implant
- 8 days after the implant with eventual prescription of the glasses or visual aids

In case of rehabilitation therapy:

1. First cycle of 6 weeks rehabilitation therapy (by customized NeWinFlash software)
2. Second cycle of 6 weeks rehabilitation therapy (by customized NeWinFlash software)

TIPS FOR THE INFORMED CONSENT

In cases of cataracts and macular degeneration with implantation of IOL-Vip Revolution could be added, to the normal informed consent, the following information:

Dear Madam/Sir, you are affected by cataracts and macular degeneration, that are responsible for your loss of sight.

Macular Degeneration:

macular degeneration is a disease of the retina, which consists in the alteration of the macula, namely, the central part of the retina, resulting in an irreversible reduction of the ability to see details (such as faces, writings, prices, etc..).

The surgery:

In the case of IOL-Vip Revolution implant, a double lens will be implanted in place of the natural lens, that will be removed. This two IOLs, one negative and the other one positive, will form a small telescope that will enlarge the images directing them on the healthy retina as simulated in the test pre-operatively.