CUSTOM*FLEX*® ARTIFICIAL*IRIS*

EXtra life-changing results

Photodirectives for ordering
CUSTOM*FLEX*® ARTIFICIAL*IRIS*

HumanOptics

V2.0_2025-03

Content:

Why is the image/photo extract so important?

Which photo prints are needed?

How is a good picture taken?

How are photos evaluated?

Disclaimer

Summary

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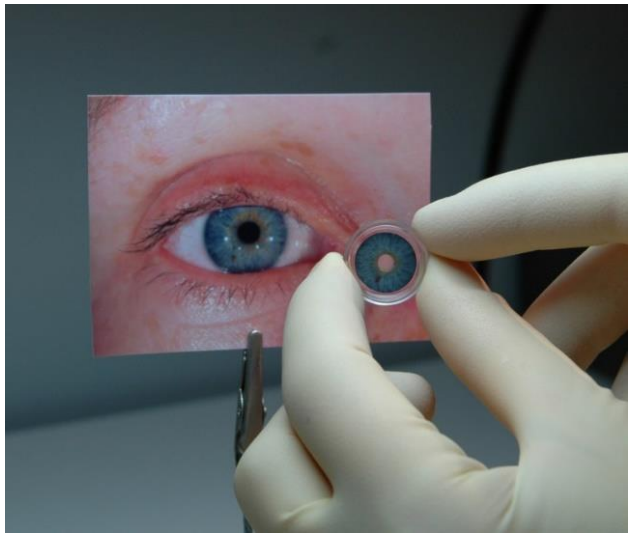
Why is the image/photo extract so important?

Purpose:
Since the manufacutere is not able to see the patient´s natural iris, it is necessary to rely on the pictures sent in with the order for a **CUSTOM***FLEX*® **ARTIFICIAL***IRIS*.
The color of every computer screen and printer appears diffrent as a result on a photo. Therefore, it is always necessary to **evaluate the printout** (hard copy).



Important:

- The quality of the photo prints is crucial for a natural post-operative appearance of the patient's eye.
- HumanOptics reserves the right to refuse orders if the required patient images do not meet the necessary requirements.

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Which photo prints are needed?

Which photo prints are needed?

For production and clinical discussion, it is best to have an image of both eyes as a bridge photo and as a single photo.

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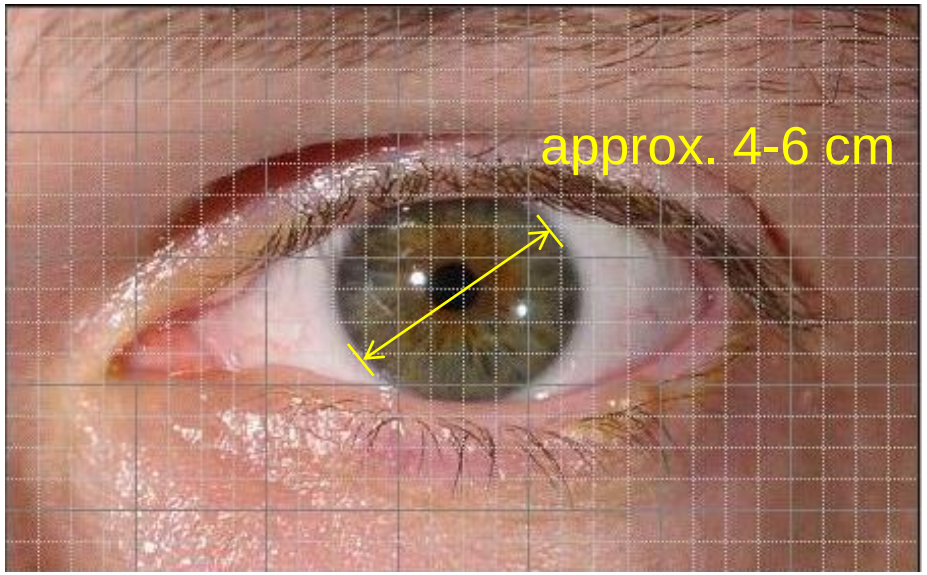
Which photo prints are needed?

Sizing of the iris on the picture



Standardized picture:

- Size of photo 9 x 13 cm (3.5 x 5“)
- Size of iris approx. 4 – 6 cm (1.5 – 2.5“)

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Which photo prints are needed?

Exception: No iris present on both sides (e.g. congenital aniridia)

As there are no iris remnants that can be reproduced in the production process, the patient can choose their own shade guide by ...

- using the ARTIFICIALIRIS SELECT color chart to select the desired shade
- selecting a close-up of an iris from a magazine
- using a close-up, e.g. of a relative's eyes, for the order

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How is a good picture taken?

Procedure:

1. **Illuminate** the eye of the patient **evenly**, so that **no shadows** appear on the iris.

2. Carry out the **white balance** with the camera at the exact location where the photo of the patient's eye is to be taken. A gray or white card is required for this.

3. The patient's iris should be **completely** recognizable and **sharply** focused.

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How is a good picture taken?

Principles:

Good, **even** illumination of the eye is essential
Ideally use:

- Flash with softbox or ring flash → Note: regular flash can overexpose the photo and cause reflexes

or:

- Continuous light at approx. 3200 Kelvin

When using a slit lamp, please ensure that the eye is not overexposed and that the images are very well resolved.

Important: Fundus cameras or other video cameras are **not** suitable for taking good photos.
If you do not have the necessary equipment, you can also refer your patient to a **professional photographer**.

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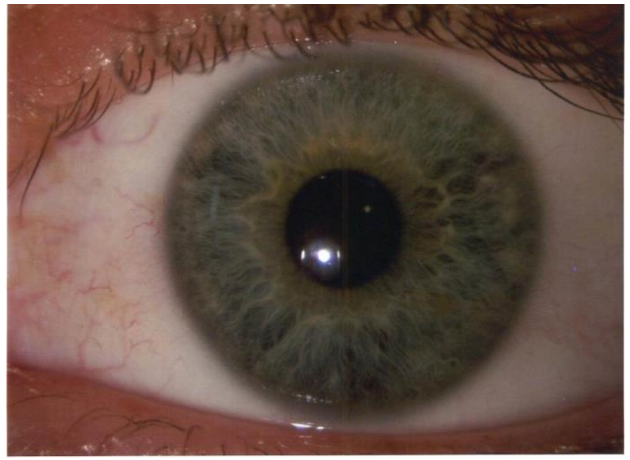
How is a good picture taken?

- Conjunctiva has a reddish
- color Iris color is greenish
- Picture seems underexposed



Both time the same patient,

Diffrence:

Illumination of the eye

- Conjunctiva is white with visible blood vessels
- Iris color appears in a clear blue shade

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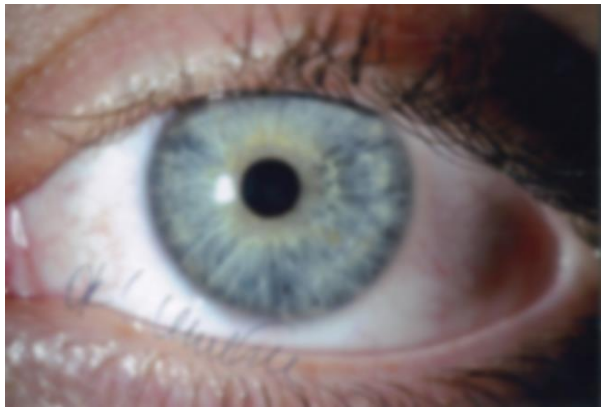
How is a good picture taken?

All colors are washed out, details are not recognizable



Both time the same patient,

Diffrence:

Image sharpness

- All structures can be seen in detail
- The colors are recognizable in great detail and can be precisely identified

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How is a good picture taken?

What are the most important aspects when taking and evaluating the image?

- ✓ **Illumination** of the eye
- ✓ **Size** of the iris on the image
- ✓ Image **sharpness**
- ✓ Only **photographic paper** may be used for the printout and this must be compared with the natural iris If desired, **professional photographers** can help with the image creation
- ✓ Only **one** image is to be signed, which is to be used for the production

Example for a perfect picture for production

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How are photos evaluated?

Qualification of the production template

- Compare the photo with the natural iris under the same lighting conditions.
- Hold the photo printout directly next to the patient's eye.
- Compare whether the conjunctiva is white in the photo.
- Compare the patient's skin color in the photo with the natural skin color.
- Do the color patterns of the natural iris match those on the photo printout?

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How are photos evaluated?

Important note:
Orders can only be processed if the **required documents** are **complete**! The photo prints must be available as **hard copies** on **photographic paper** and comply with the photo guidelines. In addition, only one **image** of the healthy eye that is to be used for production may be **signed**.

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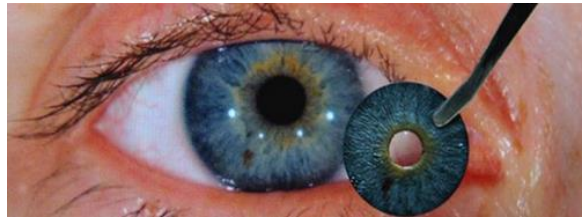
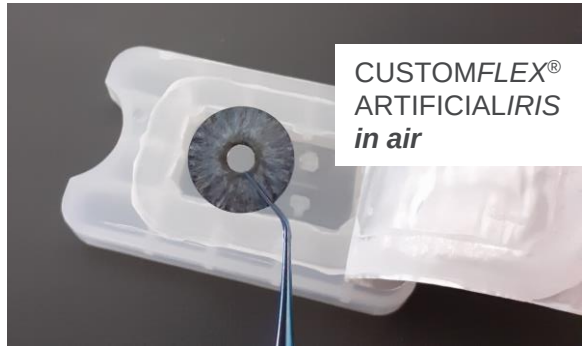
Disclaimer

- The color of a CUSTOM*FLEX*® ARTIFICIAL*IRIS* corresponds to the photo template, but slight color deviations are possible due to the individual manual color application process.
- The appearance and color of the ARTIFICIAL*IRIS* in air is slightly darker compared to the product delivered in saline solution and in the eye after implantation.
- Ambient lighting can affect the appearance, color or luminosity of the product
- ARTIFICIAL*IRIS* SELECT Color Chart- The colors printed on the color chart were all photographed in saline solution. The colors of the prints in the color chart may differ slightly from the actual product due to the manual dyeing process during production.





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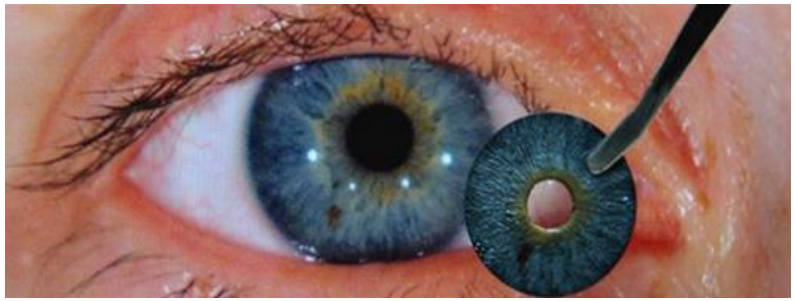
Summary



- ✓ A **good photo** print is the key to a perfect color-matching **CUSTOM***FLEX*® **ARTIFICIAL***IRIS*
- ✓ The **right equipment** is essential for taking good photos.
- ✓ **Only you** on site can check that the photo print matches the natural iris

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Photodirectives

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