

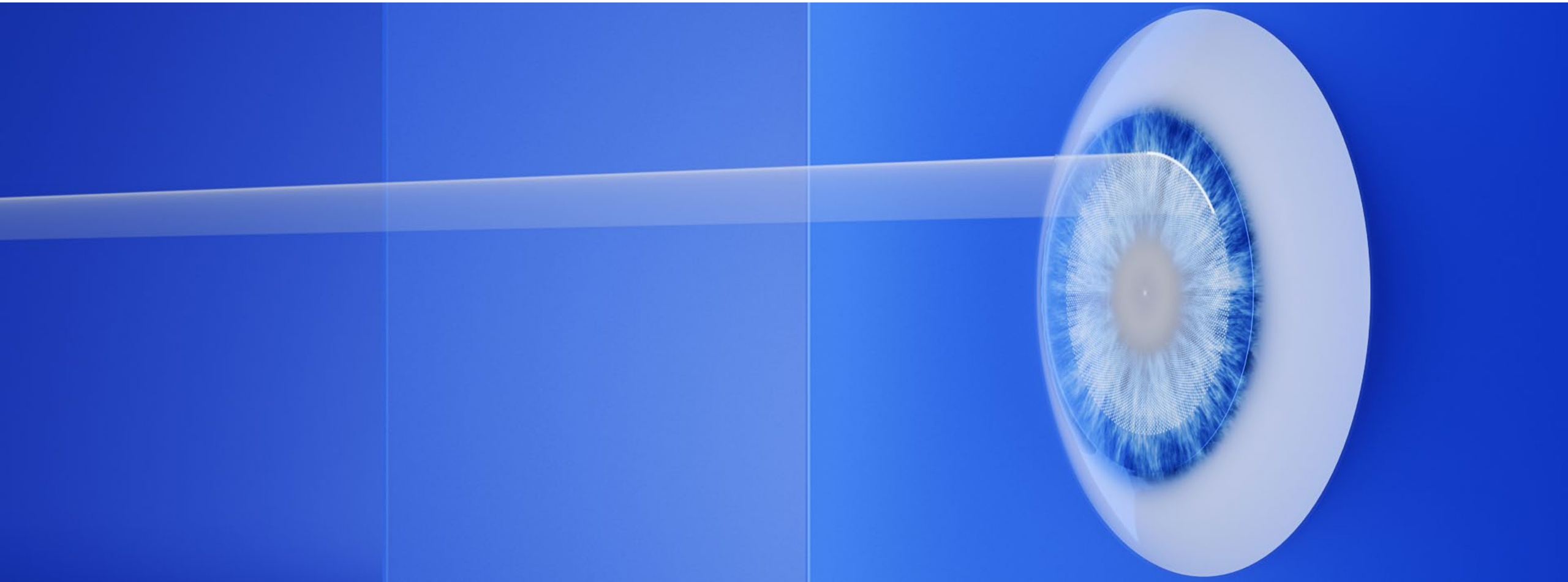
# New: Hyperopia treatment range for SMILE® pro from ZEISS.



Carl Zeiss Meditec AG

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# Hyperopia treatment range for ZEISS SMILE pro.

Offer lenticule extraction to an even larger group of patients.

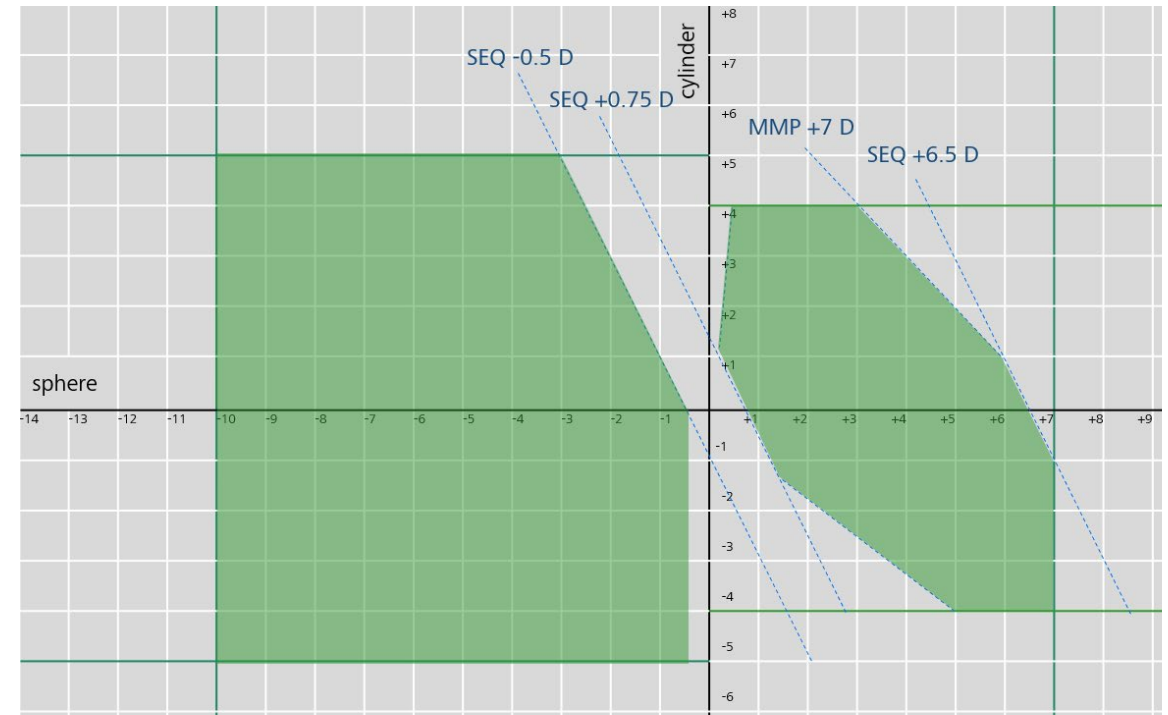


With ZEISS SMILE pro, you can **offer lenticule extraction** to eligible patients with myopia and astigmatism, and now for the very first time also to patients with hyperopia as **the treatment range of SMILE pro gets extended for hyperopic corrections with or without astigmatism:**<sup>1</sup>

- Sphere: +0.15 D to +7.0 D
- Cylinder: 0.0 D to 4.0 D
- Axis: 0° to 180°



ZEISS SMILE pro provides an effective treatment method for the correction of compound hyperopic astigmatism with a **high level of efficacy, predictability, safety and stability.**<sup>2</sup>



Full ZEISS SMILE pro treatment range including hyperopia (MMP – maximum meridian power).

<sup>1</sup>The specified parameter ranges are only accessible under the most favorable parameter combination. Additional limitations are inter-parameter dependencies can reduce the adjustment range.

<sup>2</sup>Based on data generated within a designated clinical investigation conducted with predecessor VisuMax: [SMILE for Hyperopia With and Without Astigmatism: Results of a Prospective Multicenter 12-Month Study | Journal of Refractive Surgery \(healio.com\)](#)

# Hyperopia treatment range for ZEISS SMILE pro.

Differences compared to myopic lenticule extraction with ZEISS SMILE pro.



**Planning:** The planning of ZEISS SMILE pro for hyperopia requires two additional planning values:

- Central lenticule thickness to ensure a complete lenticule at the center (fig. 1)
- Transition zone (fig. 2)

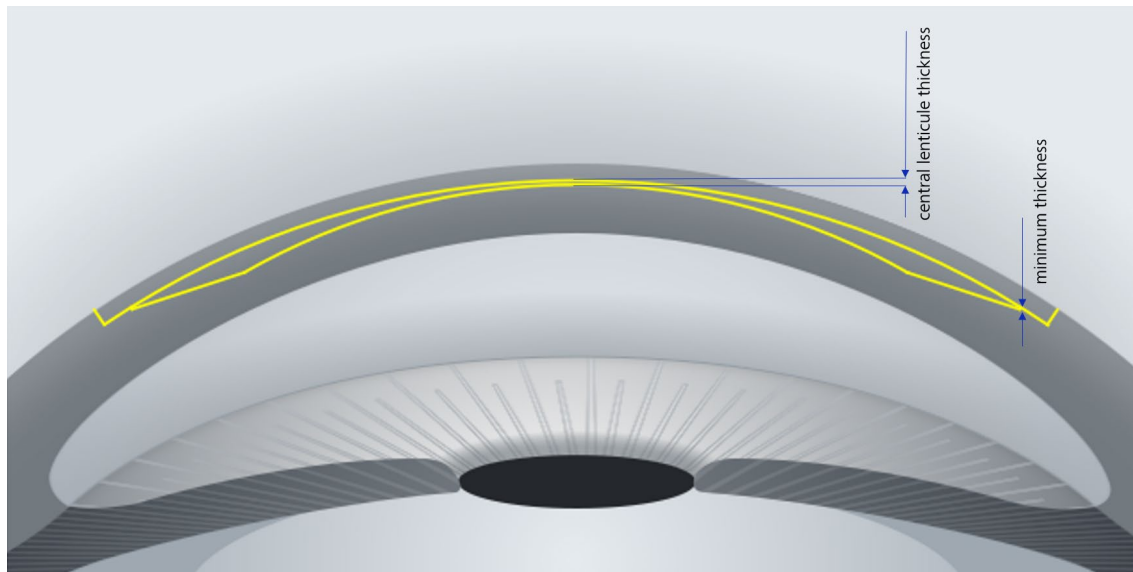


Figure 1: Central lenticule thickness

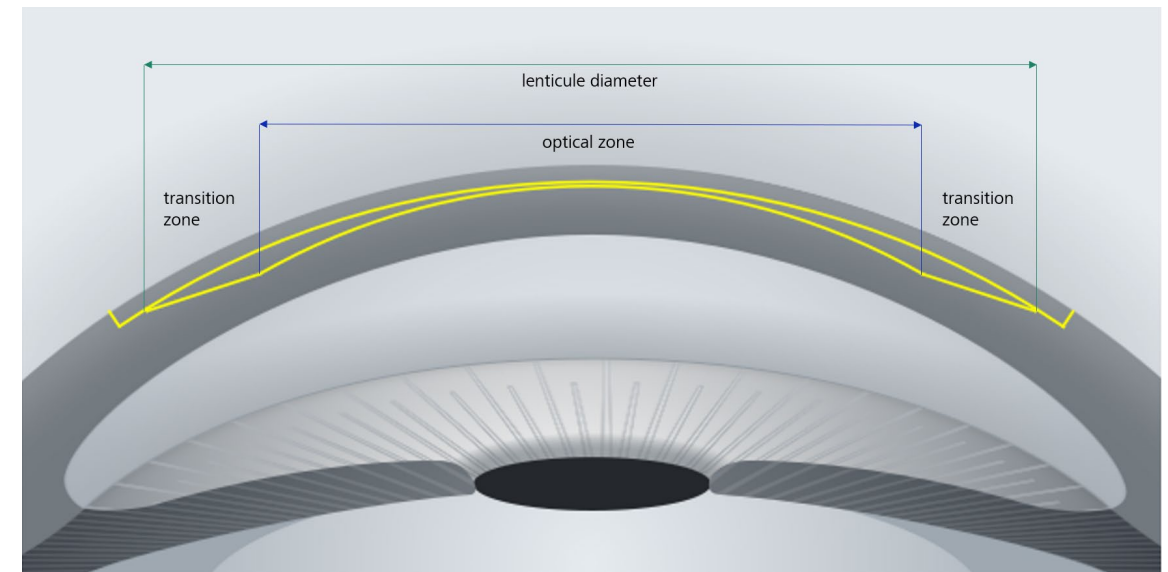


Figure 2: Transition zone

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Differences compared to myopic lenticule extraction with ZEISS SMILE pro.



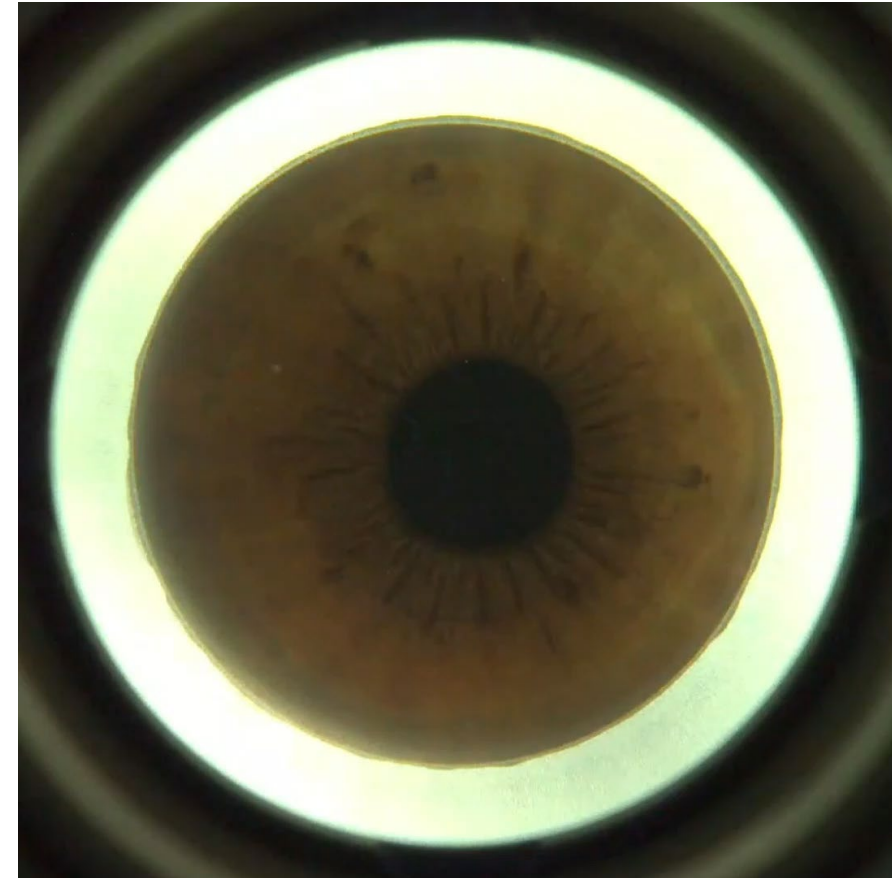
**Laser time:** The laser time is slightly longer than for myopia due to the larger lenticules including the transition zone. A typical hyperopic lenticule is created in less than 13 seconds.<sup>1</sup>

**Instruments:** ZEISS SMILE pro hyperopic lenticules are larger in diameter than those for myopic patients. Make sure to use a SMILE hyperopia dissector that features a longer spoon.

**Procedure license:** Specific ZEISS SMILE pro hyperopia Procedure Licenses are required.

**Activation:** Hyperopia ranges are included in any newly purchased ZEISS SMILE pro function license. Existing ZEISS SMILE pro function licenses can be upgraded via the ZEISS Clinical Application Support.<sup>2</sup>

**Availability:** Global rollout is ongoing. Please talk to your ZEISS representative.



ZEISS SMILE pro hyperopia lasering (courtesy of Prof. Dr. med. Walter Sekundo).

<sup>1</sup>Hyperopia, cap diameter up to 9 mm, plane cut track and spot spacing 4.5 µm / 4.5 µm, side cut track and spot spacing 2 µm / 2 µm.

<sup>2</sup>Software version 1.2.3 for VISUMAX 800 / VISUMAX 600 required.



Seeing beyond