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The ESCRS Issue
September 2025
cakemagazine.org

The Pursuit of Spectacle Independence

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Welcome to Teleon's IOL Buffet

October 15, 2025 / by Andreas F. Borkenstein, MD*

From enhanced range to full freedom, Teleon offers every flavor of premium vision.

At ESCRS 2025 in Copenhagen, the conversation around premium IOLs was served on a silver platter.

Cataract surgery is no longer a one-size-fits-all proposition—it's a menu full of options. Surgeons can now select from enhanced monofocals, extended depth of focus (EDOF), multifocals, toric corrections and more. The challenge isn't whether options exist, but identifying which lens best fits a patient's lifestyle.

"We as physicians need to find a way through this jungle of IOLs," Prof. Thomas Kohnen (Germany) said, capturing the dilemma neatly. "And that's why we put together [this new] classification."

What he is referring to is a new classification system developed by the European Society of Cataract and Refractive Surgeon's (ESCRS) functional vision working group, which groups lenses by range of focus (RoF) and ΔVA (change in VA) into partial (with enhanced and extended subgroups) and full range.

For surgeons, it's like stepping into a buffet line where everything looks appealing. But the real skill lies in pairing the right plate to the right appetite, and Teleon's menu of IOLs has something for every optical taste.

Stepping into quantum vision

Between traditional monofocals and EDOF lies a sweet spot, now codified under the ESCRS classification system. Teleon's LENTIS® and ACUNEX® Quantum lenses expand intermediate vision without sacrificing distance acuity.

Their patented Q-zone aspheric design is more than a technical flourish. It ensures stable performance even when decentered or tilted. Clinical studies confirm excellent distance acuity, crisp intermediate function and only minimal halos.

For patients seeking a little more flexibility without big trade-offs, Quantum gives patients a smooth introduction to premium IOLs. Surgeons, meanwhile, can operate with confidence knowing the optics will remain stable under real-world conditions.

Living in the comfort zone

Some patients live their lives at arm's length: working at computers, cooking, playing music or driving at dusk. For them, intermediate clarity matters most. Teleon's LENTIS® Comfort MF15/20 lenses, along with the VISIOTIS Progress (IOL Expert, Berlin, Germany), extend the RoF to about 1.58 D to 2.3 D—right in the lifestyle comfort zone.

Unlike diffractive optics, the Comfort platform seeks to minimize common dysphotopsia trade-offs. And toric versions correct up to 5.25 D of astigmatism, broadening access to patients who might otherwise be excluded from multifocal options.

What does that mean in practice? Steady outcomes, reliable quality of life and confidence in functional, independence-enabling tasks like driving at night. For many patients, that reassurance is worth more than an extra line on the near chart.

All the way to near

And when glasses are a deal-breaker, it's time for the main course: Teleon's full-range IOLs. The LENTIS® Mplus family (MF30, MplusX) and the ACUNEX® VarioMax serve up distance-to-near freedom with asymmetric, segmental optics.

This design features fewer halos compared with classic ringed multifocals and provides smoother focus shifts from horizon to fine print. Combined with femtosecond laser precision, these lenses offer predictability on every plate.

Adaptation (think of it as neuro-gastronomy for your visual cortex) may take three to six months. Once the brain catches up, patients enjoy the closest experience to full visual freedom on the Teleon menu of IOLs.

Vision takes a village

Even the finest optics won't succeed without context. Matching IOL design to lifestyle requires careful dialogue, realistic expectation-setting and team-based support.

Prof. Kohnen notes that the classification is a guide, not a rule. "We may place a [LENTIS®] Comfort lens in the dominant eye and a higher-add in the fellow eye," he said, as an example. "For that patient, it fills out the range of vision while keeping unwanted phenomena low."

I fully agree with Prof. Kohnen's statement, having applied this blended vision principle in my practice throughout the years—combining lenses of different ranges to balance visual quality and adaptability. The long-term results have been consistently positive, with very high patient satisfaction and minimal visual disturbances.

Dr. Patrick Versace (Australia) takes a practical approach with patient communication. "I use simple pictures," he explained. "With a monofocal, you see the road but not the dashboard or phone. With an EDOF, the phone is still blurry. With a full-range lens, everything comes into focus. Patients come in already overwhelmed, so easy visuals make all the difference."

Enhanced and extended range lenses generally allow smoother adjustment, while full range options may require patience before the brain fully adapts. Here, digital simulators can help patients preview different IOLs experiences in daily life.

Equally important is the infrastructure around surgery:

- **Diagnostics** such as OCT biometry, corneal topography and aberrometry ensure precision.
- **Patient counseling** supported by trained staff, brochures and demo models improves consent quality.
- **Workflow integration** makes premium care scalable, not just aspirational.

Surgeons who invest in this process tend to see higher satisfaction, fewer surprises and stronger word-of-mouth referrals.

Blending the buffet

I believe that one underappreciated advantage of the ESCRS framework is its flexibility. Surgeons aren't limited to one category per patient. Instead, lenses can be applied using a blended vision strategy across eyes to balance vision zones.

A LENTIS® Quantum in one eye and a LENTIS® Comfort in the other, for example, can produce a blended profile that enhances both distance stability and intermediate function. Pairing an extended lens with a full range option can maximize independence while softening adaptation challenges.

The art lies in knowing the optics, setting expectations and treating every patient as an individual rather than a template.

The full spectrum under one roof

Plenty of manufacturers offer one or two premium categories. Teleon stands apart by delivering the complete range: enhanced, extended and full focus. That breadth means surgeons don't have to compromise or switch platforms to meet different patient needs.

Just as importantly, all Teleon lenses are built on a glistening-free hydrophobic platform, ensuring long-term clarity and stability. Whether it's the segmental precision of the Mplus MF30, the balanced comfort of the MF15/20 or the forgiving performance of the Quantum, surgeons can rely on consistent handling and outcomes.

The takeaway

The goal of cataract surgery today isn't an imitation of spectacles, but tailoring vision that feels natural from morning to night. The ESCRS classification provides the framework. Teleon provides the ingredients.

- LENTIS®and ACUNEX® Quantum = Enhanced range
- LENTIS® Comfort MF15/20 + VISIOTIS Progress, [ACUNEX®] Vario = Extended range
- [LENTIS®] (Mplus MF30, MplusX), [ACUNEX®] VarioMax = Full range

Together, they allow every surgeon to find the perfect match for every patient.

Based on my experience, after also performing optical bench tests[1-2] with these IOLs and using the blended vision strategy in applying these in my clinical practice for several years, long-term follow-up confirms very pleasing results. Patients often report high overall satisfaction and functional independence in daily life, even years after surgery. From my point of view, the strength of this portfolio lies not only in the optical design but in its versatility in real-world practice. Over the years, I have seen how this range empowers surgeons to deliver stable, satisfying outcomes across a broad spectrum of patients.

At the end of the day, it's the range of optical taste that Teleon caters to, and the satisfaction of patients who walk away seeing their world more clearly. And with Teleon, surgeons can approach the IOL buffet with confidence, knowing the result is likely a happy, satisfied patient.

To conclude, the rapid evolution and innovation within the IOL sector is undoubtedly a major gain for us ophthalmic surgeons—and, above all, for our patients. Yet with this progress comes responsibility. It is essential to have a deep understanding of both the optical principles and the laboratory data behind each IOL design, as well as the clinical outcomes they produce.

Only with this knowledge and with the highest level of preoperative precision can we select the optimal lens or lens combination for each individual case. Companies such as Teleon Surgical with their broad and well-structured portfolio, make it easier for us to be prepared for every situation and to deliver truly personalized visual outcomes.

And with that—bon appétit at the IOL buffet!

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