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Poster Abstracts
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Vision outcomes following refit with multifocal and multifocal toric soft contact lenses: a case series

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Purpose: Patients with presbyopia desire vision correction options for their evolving vision needs. This case series evaluated long-term outcomes in patients wearing multifocal lenses with parameter adjustments to meet these needs.
Method: Patients were retrospectively evaluated between November 2001 and September 2025. Inclusion criteria for this case series were ≥3 years' experience wearing samfilcon A monthly multifocal or multifocal toric lenses following ≥3 months' prior wear of a different soft contact lens. Baseline characteristics, lens specifications, and best-corrected visual acuity (BCVA) were recorded. This case series is part of a wider study with central institutional review board exemption.
Results: Eight patients (four female; four male) presented requiring contact lens refits. In their prior habitual lenses (patient age 29–59 years), distance BCVA (OU) was 20/22 or better for all patients; near BCVA (OU) was M 0.20–1.00 (n=7 patients). Patients were refitted with monthly multifocal or multifocal toric samfilcon A lenses to provide improved comfort, handling, and near/distance vision. Over time, lens power adjustments were successfully made to accommodate each patient's changing needs due to ageing and resultant increase in presbyopia, cataract surgery, and seasonal light changes, as expected in this region. At most recent fitting, spherical powers were −5.00 to +3.25 (all eyes); cylinder measurements were −0.75 to −1.25 (n=3 toric lenses); add powers were low for 9/16 eyes (56%) and high for 7/16 eyes (44%). At most recent follow-up (patient age 46–75 years; samfilcon A lens wear 2.9–8.7 years), distance BCVA (OU) was 20/22 or better for all patients; near BCVA (OU) was M 0.63–1.25 (all patients).
Conclusions: This case series demonstrates how the parameter range of samfilcon A multifocal lenses can provide robust long-term vision support for patients with presbyopia as their vision needs evolve over time.

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