To study the outcomes of fluid filled mini scleral contact lens in various clinical conditions. 19 patients fitted unilaterally or bilaterally with mini scleral lens in a two year period were retrospectively reviewed. Patient demographics, ocular diagnoses, associated systemic conditions, best corrected visual acuity (BCVA) before and after fitting and visual function questionnaire score (VFQ-25) were collected. All 19 patients were successfully wearing mini-scleral lens device for a period of 6-24 months. Most common reasons for fitting were moderate to severe dry eye syndrome including Stevens Johnson syndrome (group 1-n=9) and refractive problems including post RK, post INTACS, severe keratoconus and post-traumatic scars (group 2, n=10). Best corrected visual acuity (logMAR) improved with lens wearing in all cases, maximum in group 2. VFQ-25 improved in all patients but was statistically better in group 1. No serious complications were recorded for any of the patients. Use of mini scleral lenses is a paradigm shift in the non-invasive management of severe corneal disorders. The results and patient satisfaction scores are unreal.

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