

Supplement Table 2: Review of literature on posterior chamber IOL implantation in eyes with microspherophakia in pediatric age group

Author Year Type of study	Objective	Age (years) /Gender	Follow-up Results	Conclusion
Khokhar et al. 2003 Case report	Phacoemulsification in a case of microspherophakia	14 /F	3 months Stable well centred IOL	Clear lens extraction must be tried in cases of microspherophakia
Khokhar et al. 2012 Case report	Lens extraction with capsular ring, capsular tension segment insertion with intraocular lens implantation in the bag	9/M	1 month Stable well centred IOL	Dual support technique to overcome zonulopathy useful as it supports the bag
Al-Haddad et al. 2012 Case report	Vitrectorhexis and lens aspiration with posterior chamber IOL implantation	7/M	2 months Well centred IOL, slightly unstable	Transient movement of the capsular bag may be noted postoperatively, sulcus placement of the IOL is recommended
Shreshta et al. 2015 Case report	Clear Lens Extraction with foldable IOL implantation	11/ M	3 months Stable well centred IOL	Improve quality of life in patients with microspherophakia
Farat et al. 2019 Case report	Clear lens extraction with IOL implantation	4/M	2 years Stable well centred IOL	Valid treatment option for high myopia in cases of microspherophakia
Liu et al. 2020 Case report	Clear lens extraction with IOL implantation in sulcus in a child using analysis of visual quality using iTrace	7 /F	1 month Well centred, stable IOL	iTrace not only plays an important role in analyzing potential reasons of undesirable preoperative visual quality but also can predict postoperative outcomes.
Our study Case-control 2021	Clear lens extraction with(Group A)/without in-the-bag IOL (Group B)implantation in children	Group A 9.4±1.4 Group B 7.3±0.9 (p-value 0.18). M=76%	Group A 0.9±0.4 years Group B 1.3±0.9 years (p-value 0.76) The survival analysis plot for groups A and B p = 0.18, log-rank test.	In-the-bag intra-ocular lens is an favorable option in eyes with microspherophakia with strict pre-operative parameters in developing nations.