



ESCRS guidelines for Prevention and Treatment of Endophthalmitis after Cataract Surgery

ADDENDUM

SECTION 10 Preoperative Antisepsis Povidone Iodine

There have been some published reports of postoperative endophthalmitis due to contaminated PVI jars. These reports suggest that a single use preparation could avoid this risk^{3,4,5}. Also, because alcoholic solutions are potentially toxic for the ocular surface with an associated lipid layer toxicity and postoperative foreign body sensation, it is also better to consider the use of alcohol-free solutions containing hyaluronic acid as an extra protection⁶.

Investigators have examined the use of different PVI concentrations with varying results but, it is evident that there is more free iodine in a 5% PVI solution compared to a 10% PVI solution^{1,2}. At the same time, the high efficacy of a preservative free 0.6% PVI solution has also been demonstrated, perhaps becoming the ideal prophylactic treatment in the days pre surgery or, in some cases, as the main treatment of ocular infections coming from any micro-organism^{7,8,9}.

References

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