

Intraoperative SD-OCT (iOCT) offers dynamic cross-sectional real time imaging of the retina during vitreoretinal surgery. The system is integrated into the operating microscope and the OCT images of the structures in the surgical field. It can be switched on and off by the surgeon as required without external aid. The use of this technology during macular hole surgery has numerous advantages: facilitating and optimising the surgery, obtaining knowledge on real-time macula behaviour in response to surgical manoeuvres,¹ reducing the risk of intra and post-operative complications and facilitating training. This technology offers an insight into the pathophysiology of surgical vitreoretinal disease which can help improve the understanding and management of these conditions in the future.

Key words: Intraoperative OCT, macular hole, vitrectomy.