

Analysis of failures in macular hole surgery

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Advantages:

Latest advances in macular hole surgery techniques have greatly contributed to the successful postoperative anatomic and functional results achieved by this surgery.

Methods:

A major part of this success may be attributed to a safer and more complete removal of the tangential tractions given by posterior vitreous cortex and the internal limiting membrane.

Effectiveness / Safety:

In some cases the long duration of the hole is advocated as responsible for the failure, possibly due to the cystic changes of its borders. In other cases remnants of ILM have been found at time of reoperation. In addition to this some cases remain were success in closing is not achieved at first attempt and in a few cases not even after two surgeries. An analysis of our failures is conducted with particular attention to possible reasons. Furthermore, we discuss on how our surgical strategy has been changing over the last months.

Take Home Message:

Macular hole surgery can still be challenging.