

Controlled Bimanual Vitrectomy (CO BI VI) 25 Gauge Surgery

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We are presenting a new approach for the treatment of aphakic retina detachment, using a guided chandelier illumination in order to perform bimanually sclera decompression by the surgeon. This way we can perform controlled removal of all traction from the tear site, under high magnification with a wide angle observation system. The scleral decompression also stabilizes the mobile detached retina, minimizing the risk of iatrogenic tears. After the traction and peripheral vitreous removal we infuse air while we remove sub retinal fluid with a flute and then laser on a flat retina.

We have used the CO-BI-VI for 154 consecutive retina detachments and we report the results and the reproducibility of this method.