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| **Supplementary Table 1. Reported Surgical Procedures for Complicated Retinal Detachment** | | | | | | | |
| Authors | Year | Design | Sample size | Main surgical procedures | Success rate (%) | BCVA (logMAR) | Complications |
| Mancino R et al9 | 2015 | Retrospective | 33 | Inferior retinotomy combined silicone oil tamponade | 93.9% | pre-op:1.28±0.97  post-op:0.74±0.50 (P=0.045) | SO in the AC hypotony, HIOP |
| Quiram PA et al10 | 2006 | Retrospective | 56 | Vitrectomy combined inferior retinectomy | primary: 60% secondary: 77% third: 60% | Improved or stabilized  in 70% of cases | Keratopathy requiring surgery, HIOP, hypotony |
| Sigler EJ et al13 | 2014 | Prospective | 33 | Two-ports PPV under silicone oil | 87.9% | An improvement of  0.74 ± 0.63 | Cataract, SO in the AC |
| Karakaya M et al16 | 2019 | Retrospective | 43 | PPV with 5-FU added infusion fluid vs control | 94.1% vs 53.8% | 1.16±0.36 vs 1.42±0.36  (P=0.01) | HIOP, hypotony |
| Sigler EJ et al14 | 2013 | Prospective | 44 | PPV with medium-term  postoperative perfluoro-N-octane | 86% | pre-op: 1.08±0.72 post-op: 0.99±0.77 | Inflammation, HIOP, cataract |
| Solaiman KA et al11 | 2014 | Retrospective | 23 | Scleral buckle (n=12)  vs revitrectomy (n=11) | 83.3% vs 81.8% | 1.36±0.52 vs 1.55±0.63 | HIOP , SO in the AC, PVR, cataract, retinal break |
| Wei Y et al. 12 | 2016 | Retrospective | 103 | Scleral buckle (n=49) vs revitrectomy (n=54) | 65.3% vs 72.2% | Not mentioned | HIOP, hemorrhage, inflammation |

AC indicates anterior chamber; HIOP: high intraocular pressure; PPV: pars plana vitrectomy; PVR: proliferative vitreoretinopathy; SO: silicone oil.