

## **Limited air vitrectomy and gas tamponade in fresh retinal detachments**

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### **Advantages:**

With this technique, the operation time was shortened; peroperative retinal reattachment and laser retinopexy were warranted.

### **Methods:**

In this technique infusion cannula is directly connected to air and vitrectomy is performed under air infusion during all the operation. Vitreus around the tear is removed and subretinal fluid is removed by active aspiration by using ocutome probe. After retinal reattachment, endolaser treatment around the tear is performed. Operation is completed by air - gas exchange.

### **Effectiveness / Safety:**

This technique needs careful manipulations. Results were good for a couple of cases but large case series and longer follow-ups are necessary for safety and effectiveness assessment.

### **Take home message:**

Limited air vitrectomy for managing fresh retinal detachments seems effective and safe, at least in early postoperative period.