

# 3<sup>rd</sup> International Conference and Exhibition on **Addiction Research & Therapy**

August 04-06, 2014 Hilton-Chicago/Northbrook, Chicago, USA

## The introduction and progress of one lung ventilation in anesthesia

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Due to the effect of thoracotomy on respiratory and circulatory systems, the anesthetic technique, one lung ventilation (OLV) is applied. With the consistent improvement and widespread application of double lumen endobronchial tube and novel endobronchial blockers, OLV is more popular for surgical performance. However, there are some issues of OLV, such as the mismatching of ventilation perfusion ratio, hypoxemia, SpO<sub>2</sub> and increase of Pmax, which limited the use of OLV. Recently, many studies have been done in the advancement of safety of OLV and on the prevention and treatment of hypoxemia. This review briefly introduces the progress of OLV and discusses the function of OLV in anesthesia.

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