Objective
Case report on combined use of iLA and high frequency oscillation.

Study Design
Case report.

Study Population
1 patient with severe acute respiratory failure after aspirating burning paraffin oil when performing as a fire-eater.

Methods
Measurement of ABG, ventilator settings, clinical course.

Results
Severe ARDS and consecutive renal failure developed within 24 hours after aspiration of burning paraffin oil (paO₂/FiO₂ ratio 10.7 KPa, paCO₂ 12 KPa, pH < 7.2). HFO was not capable of controlling CO₂ and pH, therefore iLA was initiated to enable lung protective ventilation while normalizing paCO₂ and pH. No iLA associate complications occurred during the 13 day treatment with iLA. The patient survived and was discharged from hospital.

Commentary
This case report demonstrates the benefit of combining iLA and HFO in severe acute respiratory failure.