



## ARTERIAL AIR OR GAS EMBOLISM

Air or gas embolisms are caused by gas bubbles in the arteries and/or capillaries caused by accidental air injection from dialysis, catheter placements, endoscopy, or various surgical procedures such as cardiopulmonary bypass. These iatrogenic arterial gas embolisms result from laparoscopic surgery, central venous catheters and a wide range of other invasive medical and surgical procedures.

Bubbles cause reduced blood flow resulting in poor oxygen delivery to the body. Without immediate hyperbaric oxygen therapy intervention, patients may suffer preventable neurological disability or death.

### Hyperbaric oxygen therapy heals by:

- Reducing or dissolving bubbles to enable oxygen to get the deprived areas of the body
- Improving circulation and blood supply
- Preventing mortality and long-lasting neurological and physical impairment especially post-cardiac operations where the air bubbles obstruct cerebral arteries
- Reducing swelling from blood vessel leakage caused by bubbles

# HYOX

## HYPERBARIC MEDICINE HEALS.

HyOx is a comprehensive medical treatment center specializing in healing the body naturally by breathing 100 percent oxygen under pressure. Hyperbaric oxygen therapy increases oxygen content in the body by up to 1,500 percent to supersaturate every cell. This helps to fuel the healing process in patients with complications from cancer, infection, trauma, and wounds.



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