

# Evidence for Oxygen Toxicity

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## Journal Articles

- **Oxygen toxicity**
  - [Respiratory Care Clinics, 1999](#)
- **Should Patients with Acute Stroke Routinely Receive Supplemental Oxygen?**
  - [Den Norske Laegeforening, 2000](#)
- **Effects of High Inspired O<sub>2</sub> Fraction During Elective C-Section Under Spinal Anes on Maternal & Fetal Oxygenation and Lipid Peroxidation**
  - [British Journal of Anaesthesia, 2002](#)
- **Hyperoxia-Induced Tissue Hypoxia**
  - [Anesthesiology, 2007](#)

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## Journal Articles – Pediatric Literature

- **Is Oxygen More Toxic Than Currently Believed?**
  - [Pediatrics, 2000](#)
- **Oxygen for Newborn Resuscitation: How Much is Enough?**
  - [Pediatrics, 2006](#)
- **Oxygen – Elixir of Life or Trojan Horse?**
  - [Ped Anesthesia, 2006](#)
- **Take a Breath – But Do Not Add Oxygen (If Not Needed)**
  - [Acta Paediatrica, 2007](#)

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## Text Books

- **Pulmonary Oxygen Toxicity**
  - McGraw-Hill, 1980
- **Pathology of Oxygen Toxicity**
  - Academic Press, 1982
- **Hyperoxia and Oxygen Toxicity**
  - Butterworth, 1993

# Pathology of Oxygen Toxicity

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## Pratt

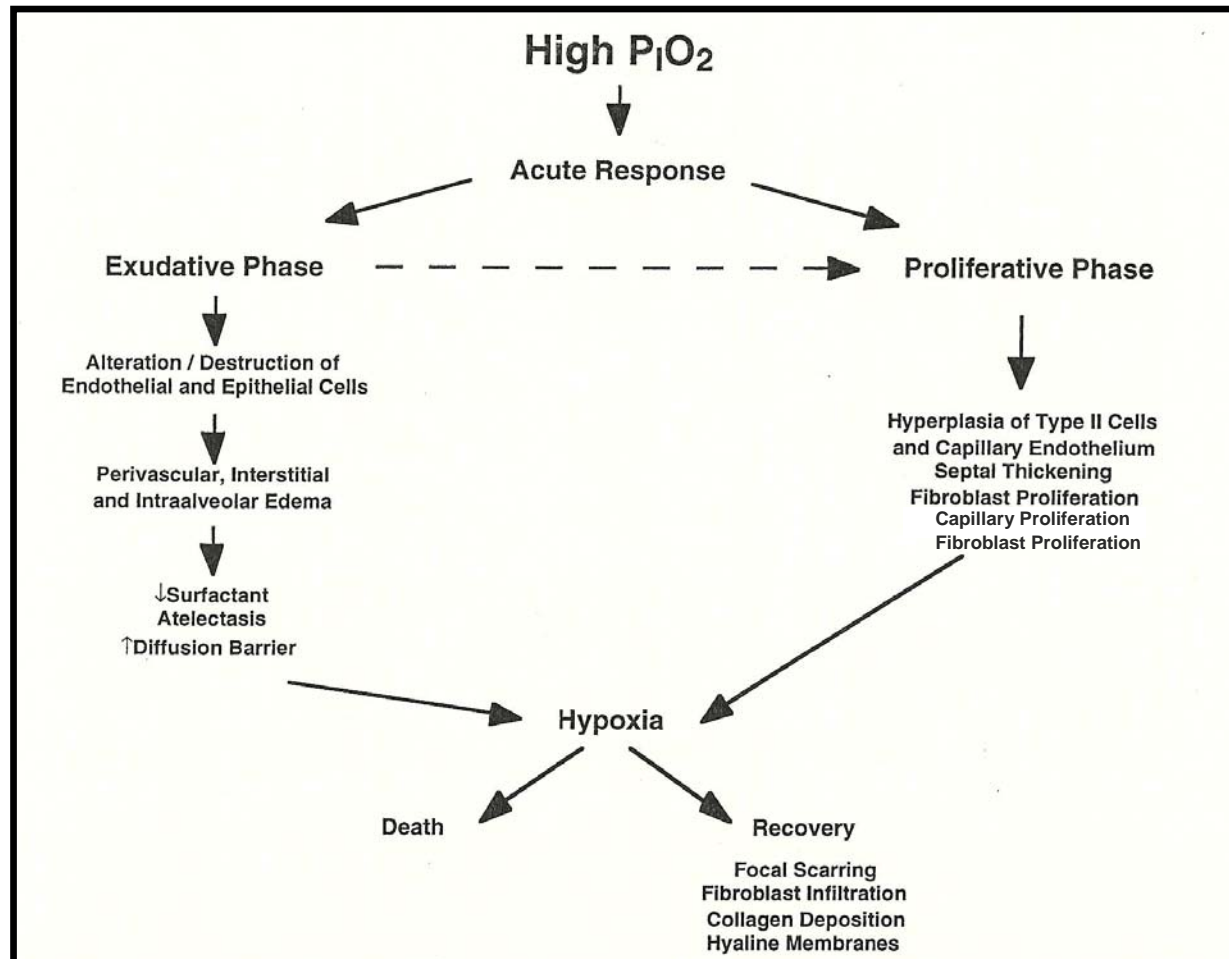
- **1958**
  - **Pulmonary Capillary Proliferation Induced by Oxygen Therapy, Annals of the New York Academy of Sciences**
- **1965**
  - **The Reaction of Human Lung to Enriched Oxygen Atmosphere, Annals of the New York Academy of Sciences**
- **1974**
  - **Pathology of Pulmonary Oxygen Toxicity American Review of Respiratory Disease**

# **Pathology of Oxygen Toxicity**

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- **Morphological Changes in Response to Oxygen Exposure**
  - **Capillary proliferation**
  - **Alveolar septal thickening**

# Pathology of Oxygen Toxicity

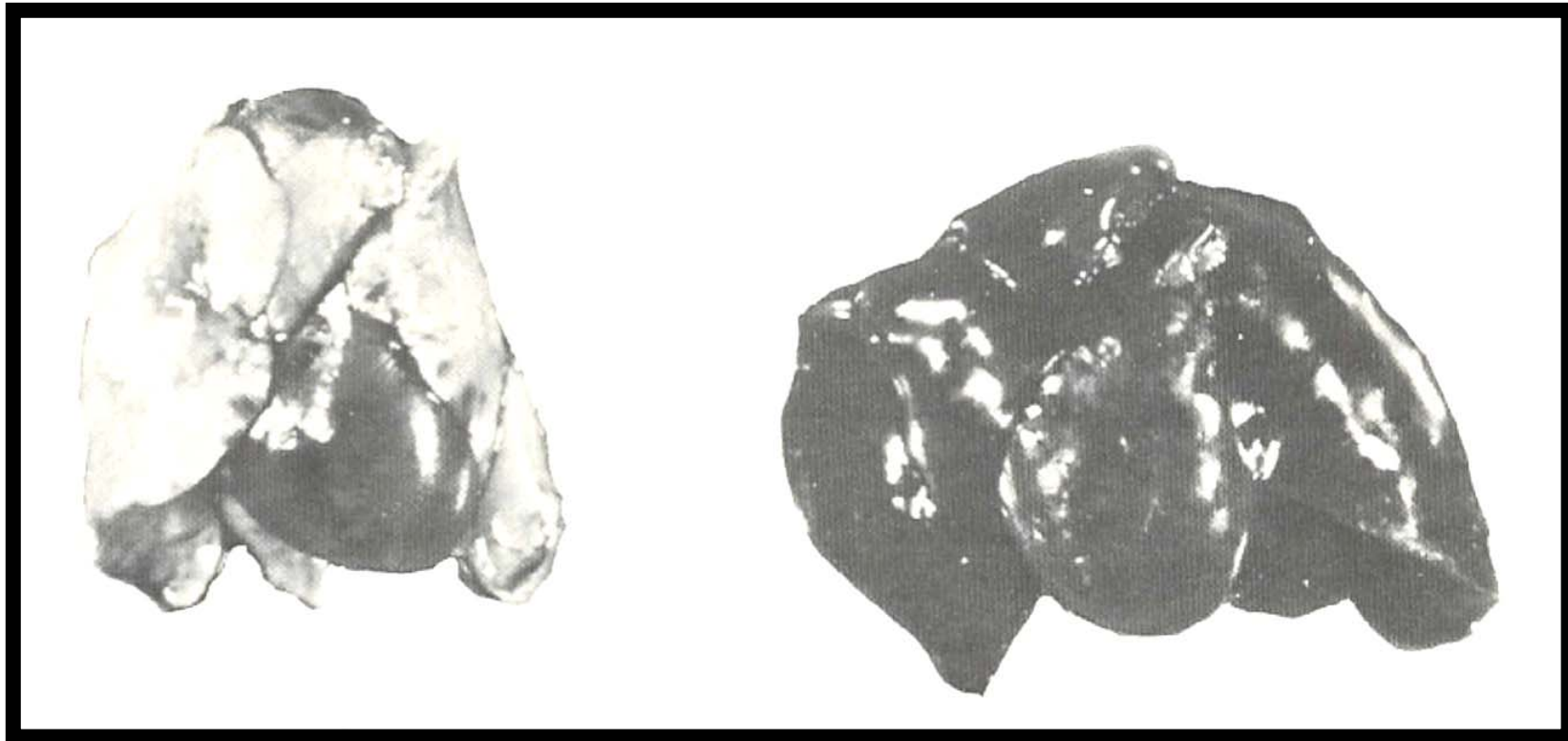


# Lungs of Adult Rat Exposed to 5 Atmospheres of Oxygen for 1 hour

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**Normal**

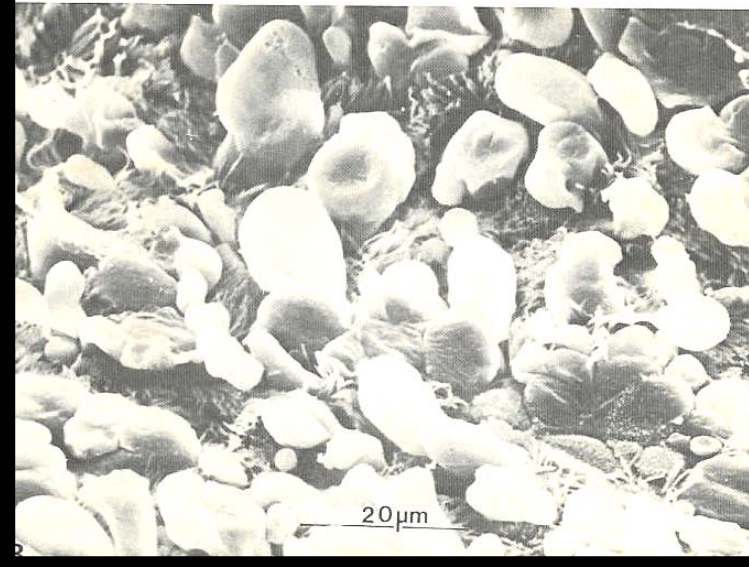
**Post-Exposure**



# Bronchial of Rabbit Exposed to 5 Atmos Oxygen for 1 hour

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**Normal**



**Post  
Exposure**