



Tracheal Through-Flow

Cleaning the blood from carbon dioxide with minimal risk

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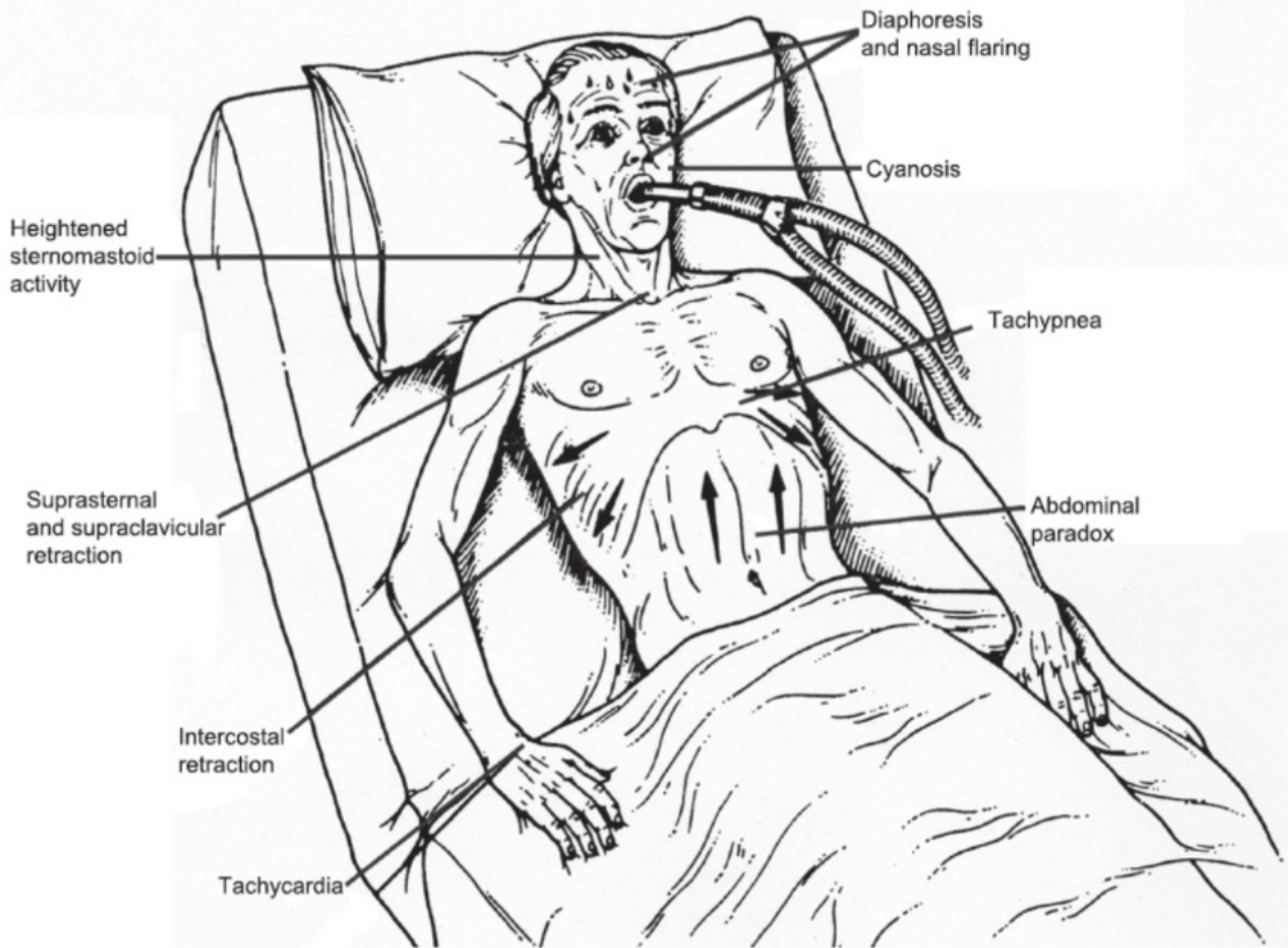
Millions of patients/year worldwide
need mechanical ventilation



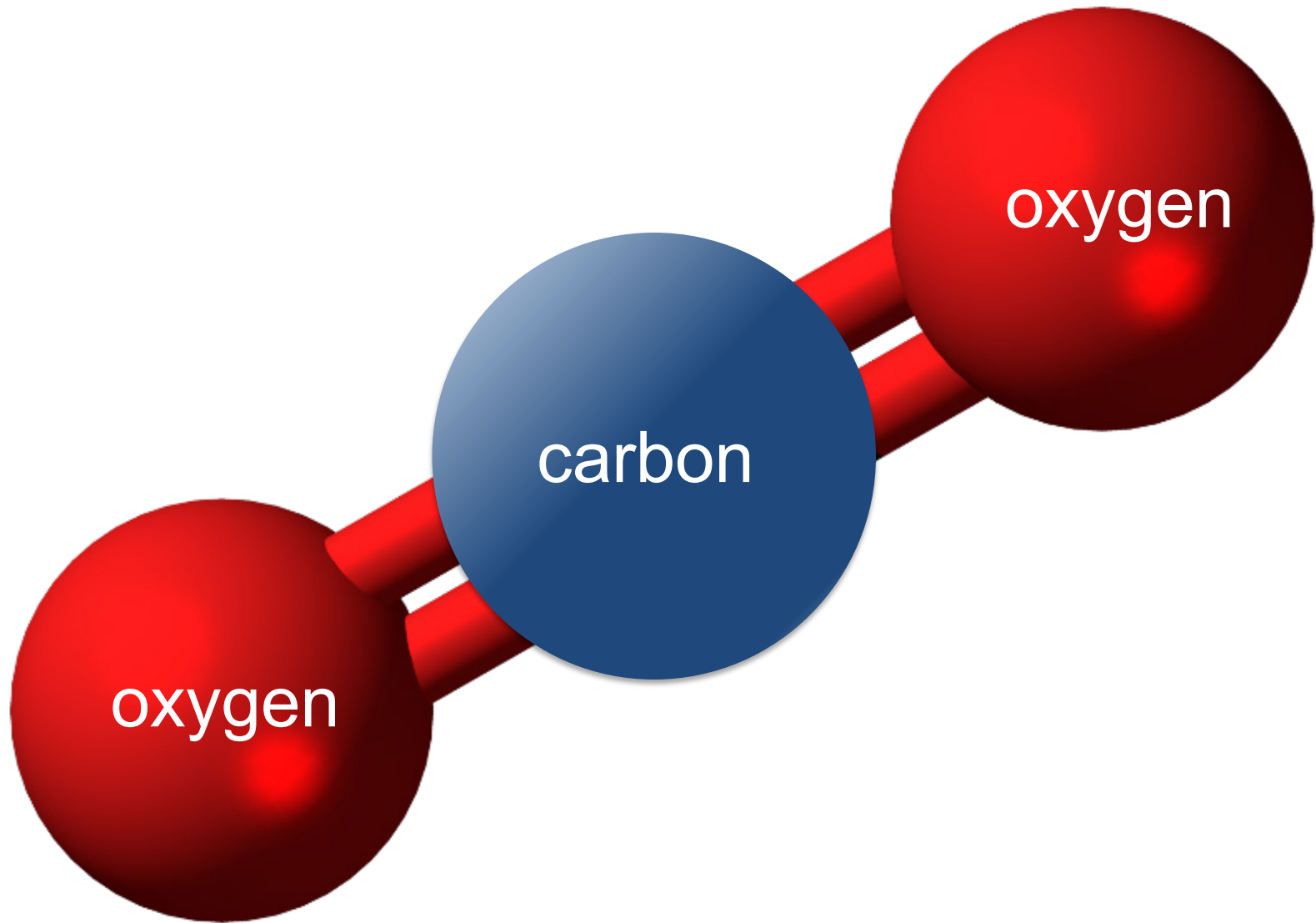


Canada up to 100,000 patients/year



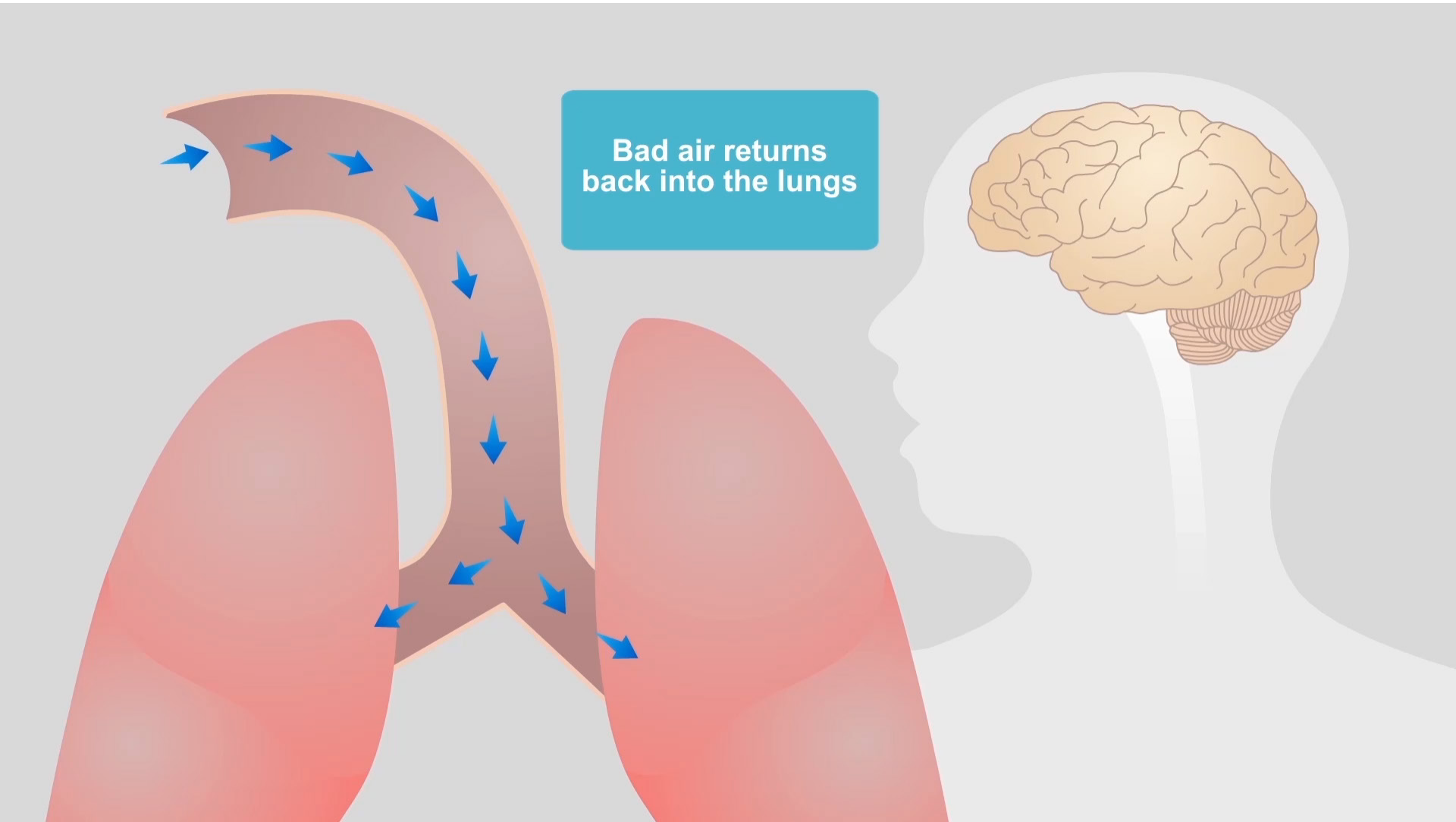


Carbon Dioxide

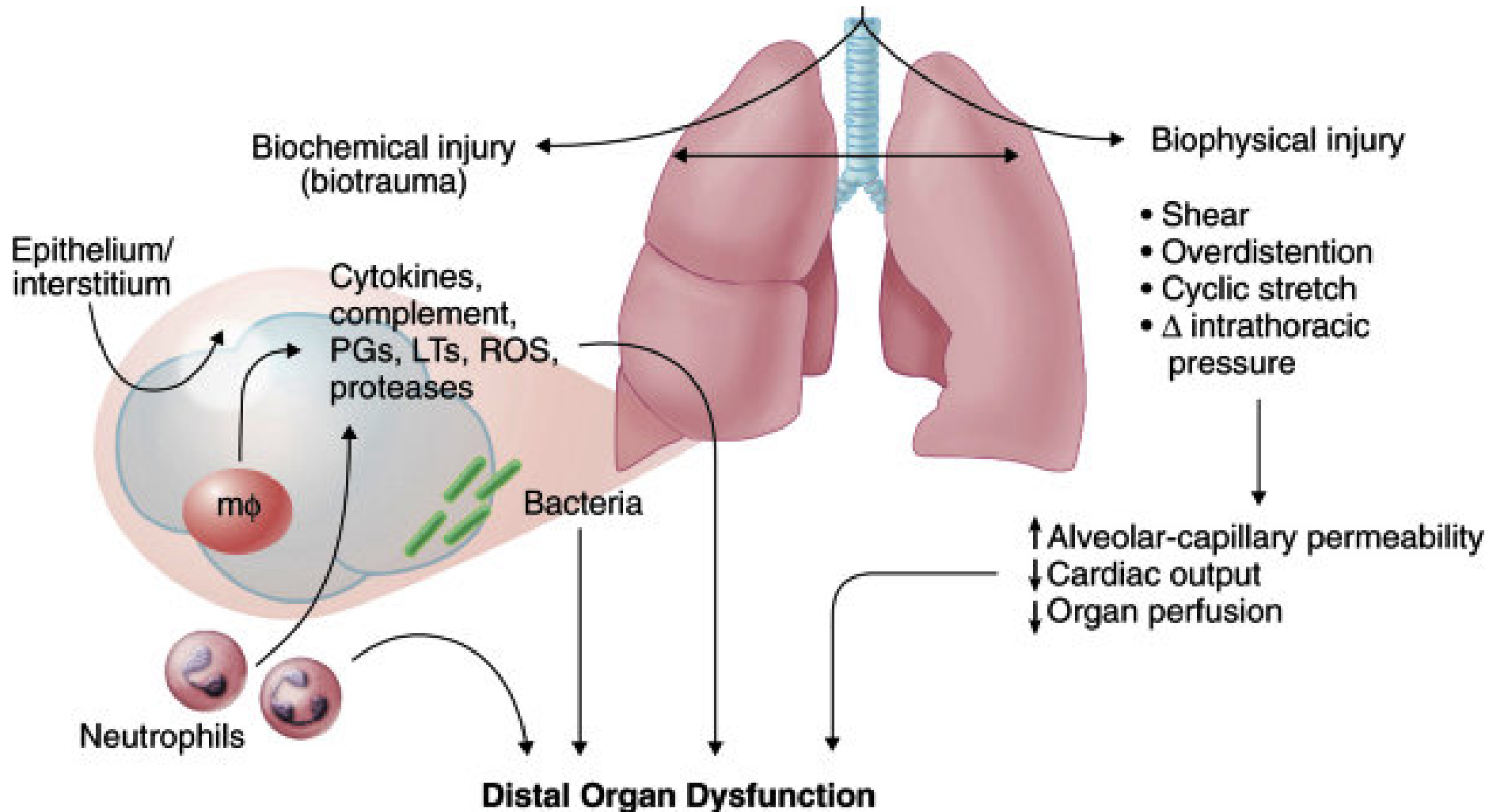


→ Carbon dioxide
→ Oxygen

One-way street



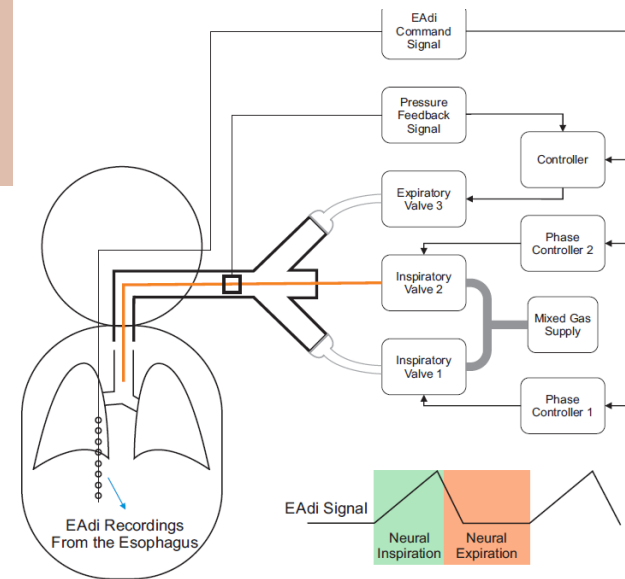
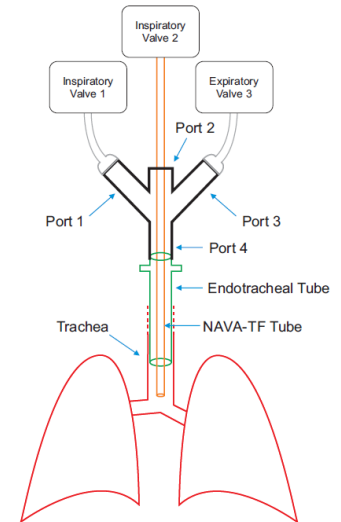
More ventilation damages lungs and body



For birds, airflow is a two-way street



Tracheal Through-Flow Method



→ Carbon dioxide
→ Oxygen

The new way (two-way street)



Future steps

- Develop prototype for clinical use
- Health Canada and REB Approval
- Go live in ICU patients at SMH

Why us

- Experts in neural control
- Experts in mechanical ventilation
- Experienced with Health Canada
- Previous commercialization success

