Hypercarbic Respiratory Failure

Definition: $PaCO_2 > 45$ + pH < 7.35

Top Causes
- COPD
- OHS
- Neuromuscular Dz

Won't Breathe

↓ Respiratory Drive

- OHS
- Sedation
- Opiates
- Brainstem malfunction
- Central Sleep Apnea

Can't Breathe IN

Neuromuscular Weakness

Muscle	NMJ	Nerve
Myopathy	MG	ALS GBS

External Restriction

- OHS
- Scoliosis

Can't Breathe OUT

Obstructive Lung Disease

- COPD
- Severe asthma

Dx
The Clinical Problem Solvers