

GAS THERAPY

Oxygen Therapy

INDICATIONS

TREAT ACUTE HYPOXEMIA

**TREAT SIGNS AND SYMPTOMS OF CHRONIC
HYPOXEMIA**

DECREASE CARDIOPULMONARY WORKLOAD

Remember CO poisoning!

DEVICES

Device	Flow (lpm)	FiO ₂	ALWAYS REMEMBER
Nasal Cannula	.5 - 6	22 - 40%	
Simple Mask	5 - 10	35 - 50%	
Venturi Mask (AEM)		24 - 50%	
Partial Rebreather	10 - 15	40 - 70%	
Non Rebreather	10 - 15	60-80%	

HAZARDS

OXYGEN TOXICITY

DEPRESSION OF VENTILATION

ABSORPTION ATELECTASIS

RETINOPATHY OF PREMATURITY

OXYGEN EXTRAS

30-60-90 Rule

.28

3.14

GAS THERAPY

Humidity and Aerosol

HUMIDITY

Add to NC above 4lpm

Heat Moisture Exchanger

Passover vs. Wick

Aerosol

Cool mist

Trach collar

T-piece (briggs adapter)

Total flow

GAS THERAPY

Specialty Gases

Heliox -

Nitric Oxide -