O2 Therapy

High flow VERSES Low flow devices

High flow devices give a more accurate Fi02 delivery when the patient is in distress.

High flow devices work independently of the patient's demands

Low Flow Devices available at Beebe

Nasal Cannula

1 l/M = 24% FiO2
2 l/m = 28% FiO2
3 l/m = 32% FiO2
4 l/m = 36% FiO2 (humidification need)
5 l/m = 40% FiO2 (humidification need)
6 l/m = 44% FiO2 (humidification need)

Simple Mask (can rebreathe CO2 do not use with a COPDer or a questionable COPDer)

6-10 l/m = 35%-55%

Non-Rebreathing Mask

bag must be inflated even on inhalation
NO humidification
6-15 l/m = 50-90% FiO2

High Flow Device available at Beebe

Oxymizer Pendant NO humidification
Pendent should not be cover by clothes or blankets

.5 l/m = 26% FiO2
1 l/m = 28% FiO2
2 l/m = 32% FiO2
3 l/m = 38% FiO2
4 l/m = 41% FiO2
5 l/m = 46% FiO2
6 l/m = 52% FiO2
7 l/m = 58% FiO2
8 l/m = 64% FiO2
9 l/m = 67% FiO2
10 l/m = 72% FiO2
11 l/m = 77% FiO2
12 l/m = 82% FiO2

***Venturi* Mask** (air entrainment device) NO humidification
Adaptor should not be covered by clothes or blankets
Use clear safety on adaptor

Blue 24% FiO2 set flow @ 2 l/m
Yellow 28% FiO2 set flow @ 4 l/m
White 31% FiO2 set flow @ 6 l/m
Green 35% FiO2 set flow @ 8 l/m
Pink 40% FiO2 set flow @ 8 l/m
Orange 50% FiO2 set flow @ 12 l/m

Must change colored adaptor & flow to change FiO2
FiO2 % and flow is printed on each adaptor
Document FiO2 % not flow

High flow aerosol/Large volume nebulizer
Can be a trach collar, mask, face tent or T-piece
Set flow to see aerosol even on inhalation (if not seen then use a high flow flow meter)

28%-100% FiO2 Flow varies

Oxygen analyzer should be used to check FiO2
Document FiO2 % not flow

Misty Ox

>60% FiO2 will need High flow flow meter
33% FiO2 set flow @ 10 l/m
40% FiO2 set flow @ 15 l/m
50% FiO2 set flow @ 15 l/m
60% FiO2 set flow @ 15 l/m
80% FiO2 set flow @ Flush (40)
95% FiO2 set flow @ Flush (40)

Oxygen analyzer should be used to check FiO2
Document FiO2 % not flow