



SNS COLLEGE OF ALLIED HEALTH SCIENCES
SNS Kalvi Nagar, Coimbatore - 35
Affiliated to Dr MGR Medical University, Chennai



DEPARTMENT OF CARDIOPULMONARY PERFUSION CARE
TECHNOLOGY

COURSE NAME : CPB & ITS COMPLICATIONS

3RD YEAR

TOPIC : CENTRAL OXYGEN SUPPLY FAILURE

MS. KRIPA/LECTURER/SNSCAHS



MANAGEMENT OF CENTRAL OXYGEN SUPPLY FAILURE



- Notify the perfusionist and surgical team immediately.
- Switch to the backup oxygen supply ie. Oxygen cylinder/tank if available.
- If the backup oxygen is not available manually ventilate the patient using bag valve mask ventilation device for short term support.





- Monitor patient SpO2 And blood gases to ensure adequate oxygenation.
- Inform to the hospital facilities management team to investigate the cause of central oxygen supply failure and restore the oxygen as soon as possible.
- Monitor the patient vitals to avoid brain damage , hypoxia and ischemia

Arterial Pathology Gas Analysis

Patient Name: _____

Date: _____

Parameter	value	Normal Range
pH	7.2	7.35-7.45
pO2	52.0mmHg(10.5 kPa)	75-100
pCO2	48.0mmHg(6.3 kpa)	38-45(4.6-6.0)
HCO3	24mEq	22-26
O2 sat	80	94-100



THANK YOU