Medical Gas Piping Systems Safety

Intended for health workers and all personnel managing medical oxygen

**Do ✓**

**Do not X**

**DO REPORT ANY GAS LEAKS AS SOON AS DETECTED**
- Report if any noise of leaking gas is detected to maintenance department for urgent action.
- Set off medical gas escape alarm.

**DO NOT STAY NEARBY THE GAS LEAKAGES**
- Do not stay in the vicinity of the gas leakage because of the possibility of gas saturation in the air, asphyxiation, explosion, fire.

**DO ENHANCE VENTILATION IF A LEAK IS DETECTED**
- Open windows and doors to lower the gas concentration in the air.

**DO NOT COVER PIPING LINEMAKERS AND SIGNAGE**
- Do not paint over piping networks to cover labeling, identification, flow direction arrows, valve box labels, etc.

**DO REGULAR CHECKS TO THE PIPING**
- Check for damage, especially serious abrasion, corrosion, leakages, flattenings or mechanical damage of pipelines.

**DO NOT USE OILY-SOAP SOLUTIONS TO CHECK FOR LEAKS**
- Do not use water solutions with soap that contains oil and/or animal fat. The animal fats may burn easily in an oxygen enriched atmosphere.

References:
Medical Gases, Health Technical Memorandum 02-01: Medical gas pipeline systems. Part B: Operational management, Department of Health, UK.
http://www.bga.co.uk/assets/HTM_02-01_Part_B.pdf