Oxygen Protocol

Purpose
To standardize the assessment of a patient's oxygenation status to ensure that a therapeutic level of oxygen is being delivered. To identify those patients with a history or chronic hypercarbia who may be at risk for oxygen-induced hypoventilation. To establish guidelines for the therapeutic delivery of O₂ in accordance with existing professional standards.

Scope
This document outlines the procedure for performing O₂ assessments and an algorithm for applying Oxygen Therapy.

Audience
This document is intended for use by Licensed Respiratory Care Professionals.

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<tr>
<td>1</td>
<td>Obtain pulse oximeter.</td>
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<tr>
<td>2</td>
<td>Check patient's medical record for O₂ order, medical history and any ABG results.</td>
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<td>3</td>
<td>Introduce yourself and verify patient using two identifiers.</td>
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<td>4</td>
<td>Wash hands.</td>
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<td>5</td>
<td>While assessing SpO₂, follow the attached O₂ Protocol.</td>
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<td>6</td>
<td>Document in Epic under RCS assessment whenever a titration procedure has been performed. Communicate with nursing personnel as to any changes made.</td>
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<td>7</td>
<td>Document per RCS Policy 7.1.1</td>
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Oxygen Protocol

Always notify MD if FiO2 requirement is >60%

CT Guidelines for Weaning Oxygen
- Post Op Day #1 – O2 face mask 40%, change to 3
- Her trach cannula if saturations > 95%
- Post Op Day #2 – Wean to keep saturations ≥ 92%
- Post Op Day #3 – Take off O2 as long as O2 saturation is ≥ 95% on room air, if not off O2, by 12:00, communicate with nursing staff
Infection Control

Follow procedures outlined in Healthcare Epidemiology Policies and Procedures #2.24; Respiratory Care Services.


References

AARC Clinical Practice Guidelines; Oxygen Therapy in the Acute Care Hospital, Respiratory Care; 1991; 38:1410-1413.

AARC Oxygen Protocol; www.aarc.org

AARC Clinical Practice Guidelines, Pulse Oximetry, Respiratory Care, December 1991, 36; 12 1406-1409.


Hagarty EM, Langbein WE, Skorodin MS, Hultman CI, Jessen JA, Fink JB. Use of Pulse Oximetry to Determine Oxygen Prescription for Hypoxemic Patients With COPD, Respiratory Care. 1996; 41:30-6.


Branson RD. The Nuts and Bolts of Increasing Arterial Oxygenation: Devices and Techniques, Respiratory Care. 1993; 38:672-86.