

| <b>RESPIRATORY DISTRESS – PULMONARY EDEMA</b>  |   |
|--|---|
| <b>ADULT</b>   | <b>PEDIATRIC (<math>\leq 34</math> KG)</b>                  |
| <b>BLS</b>   |   |
| <ul style="list-style-type: none"> <li>Universal Protocol #601</li> <li>Pulse Oximetry <ul style="list-style-type: none"> <li>O<sub>2</sub> administration per Airway Management Protocol #602</li> </ul> </li> </ul>  | Same as Adult   |
| <b>BLS Elective Skills</b>   |   |
| CPAP per Airway Management Protocol #602   | <ul style="list-style-type: none"> <li>None</li> </ul>      |
| <b>ALS Standing Orders</b>   |   |
| <ul style="list-style-type: none"> <li><b>Nitroglycerin</b> 0.4 mg SL tablet or spray <ul style="list-style-type: none"> <li>May repeat every 5 min</li> <li>Do not administer if SBP &lt; 100 mmHg</li> </ul> </li> <li><b>Nitroglycerin Paste</b> 1 inch (1 Gm) may be considered after initial dose(s) of SL Nitroglycerin</li> <li><b>HOLD NITROGLYCERIN</b> and consult base if: <ul style="list-style-type: none"> <li>SBP is trending towards or drops &lt;100 mmHg <b>or</b> in the presence of other signs/symptoms of hemodynamic instability</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>None</li> </ul>      |
| <b>Base Hospital Orders Only</b>   |   |
| <ul style="list-style-type: none"> <li><b>Nitroglycerin</b> with <ul style="list-style-type: none"> <li>Significant decrease in SBP</li> <li>Patients taking erectile dysfunction medications</li> <li>Signs and symptoms of non-cardiogenic pulmonary edema</li> <li>Atrial Fibrillation with RVR</li> </ul> </li> <li>As needed</li> </ul>   | <ul style="list-style-type: none"> <li>As needed</li> </ul> |
| <b>Notes</b>   |   |
| <p><b>Pulmonary Edema</b> – fluid accumulation in tissues and air spaces of the lungs associated with rales/crackles</p> <ul style="list-style-type: none"> <li>Cardiogenic causes may include: acute CHF, MI, hypertension</li> <li>Non-cardiogenic pulmonary edema causes may include: toxic inhalation, high-altitude sickness, kidney/liver failure, decompression, drowning</li> <li>Pulmonary edema not commonly found in children – consult Base Hospital for specific treatments</li> </ul>  |   |
| Atrial fibrillation with RVR is atrial fibrillation with ventricular rate >100   |   |