**Short-term Trach Assessment of Respiration (STAR)**

Perform Daily BEST safety screen or perform when stable after trach

Failed Safety Screen?

Continue mechanical ventilation at prior settings and notify fellow.

YES

NO

Perform BEST 2 min SBT trial for apnea

Apneic? No breath for 60 seconds or RR < 6 bpm?

**Scoring performance guidelines and recommended actions:**

Document weaning score in electronic medical record and notify the fellow after 4 hours and every subsequent 4 hours until patient off ventillator for 24 continuous hours. Notify fellow prior to returning to ventilator.

**STAR weaning Score**

|  |  |  |  |
| --- | --- | --- | --- |
| **Points** | **0** | **1** | **2** |
| Heart Rate | Unchanged | < 25 % | > 25% |
| Respiratory Rate | Unchanged | < 25% | > 25% |
| Dyspnea / Anxiety | None | Some | Significant |
| Accessory Muscle Use | None | Some | Significant |
| Oximetry (SpO2 > 92%) | Unchanged | Stable with 🡩 FiO2 | Lower with 🡩 FiO2 |

**Guidelines for tolerance: 0 – 2 points – Acceptable**

* Document score in electronic medical record and report score to fellow
* Continue on HHTC
* Every 4 hours document score and report score to fellow
* After 24 hours of continuous HHTC; document score, report to fellow. Keep patient off ventilator as tolerated with continued evaluation.

**>3 points – Review with fellow**

* Document score and discuss with fellow to determine the plan to continue HHTC or return to mechanical ventilation at prior settings.
* If patient fails STAR > 3 days (or sooner at attending discretion), initiate SWAT

NO

PERFORM HHTC TRIAL

1. Deflate trach cuff
2. Place pt on HHTC @ 40% for 4 hours as tolerated
3. May increase FiO2 to 60% if needed, notify house staff

Nursing/RT staff perform ongoing patient assessment, score and document q 4 hours until off vent for 24 continuous hours

\*May use flowby (T-piece) with CO2 detector if ordered