|  |  |
| --- | --- |
| **Patient Name** |  |
| **Date of Birth** |  |
| **NHS number** |  |
| **Diagnosis** |  |
| **Date of clinic** |  |
| **Chest infections in the last 12 months** |  |
| **Current Cough assist settings and usage** |  |
| **Current secretion management medications** |  |
| **vCJD** |  |
| **Scope Number** |  |
| **Side of Insertion** |  |
| **Endoscopist** |  |
| **Assessing clinician** |  |
| **Current feeding status** |  |
| **Ventilation Status** |  |

1. ***Assess Structures***

***Nasal passage***

*(Follow NGT****,*** *swollen, septal deviation)* ***(****Scope passed along NGT, Swelling, Septal deviation /spur /erosion):*

***Nasopharyngeal wall*** *(NGT trauma, tremor, abnormality L/R/midline):*

***Velopharyngeal sphincter*** *(Adequate conical closure, symmetry, neuro signs, nasal regurgitation):*

***Base of Tongue*** *(Thrush, symmetry, neuro signs, abnormality L/R/midline, flap):*

***Oropharynx & Posterior pharyngeal wall*** *(Normal/concave, constriction, neuro signs, reduced contraction, abnormality):*

***Epiglottis*** *(Position, oedema, abnormality):*

***Arytenoids*** *(Oedema, prolapsed L/R, symmetry, mucosal trauma, posterior commisure stenosis):*

***True & Ventricular folds*** *(Trauma, palsy/paresis, hyperfunction, glottic closure):*

***CP*** *(Hyper/hypotonic):*

1. **Assess Secretion Management**

**Current secretion management medications:**

|  |  |  |
| --- | --- | --- |
| ***Secretions: The New Zealand Secretion Scale*** | | |
| ***Location, appearance:*** | | |
|  | ***Symptom*** | ***Score*** |
| ***Location*** | Nil significant pooled secretions in pyriforms or laryngeal vestibule = 0  Secretions in pyriform fossa = 1  Secretions in laryngeal vestibule = 2 |  |
| ***Amount*** | Nil significant pooled secretions in pyriform fossa (0-20%) = 0  Secretions in pyriform fossa, not yet full (20-80%) = 1  Secretions filling (80-100%) or over spilling pyriforms/interarytenoid space = 2 |  |
| ***Response*** | Secretions in pyriform fossa or laryngeal vestibule effectively cleared = 0  Ineffective attempts to clear OR no response to secretions in pyriform fossa = 1  Ineffective attempts to clear secretions from the laryngeal vestibule = 2  No response to secretions in laryngeal vestibule = 3 |  |
| ***TOTAL SCORE (7 at worst)*** | |  |

1. **Assess Reflux**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ***The Reflux Finding Score*** | | | | | | | |
| **Pseudosulcus (infraglottic oedema)** | **Ventricular obliteration** | **Erythema**  **Hyperemia** | **Vocal fold oedema** | **Diffuse laryngeal oedema** | **Posterior commisure hypertrophy** | **Granuloma** | **Thick endolaryngeal mucus** |
| 0 = Absent  2 = Present | 0 = None  2 = Partial  4=Complete | 0 = None  2=Arytenoids  4 = Diffuse | 0 = None  1 = Mild  2 = Mod  3 = Severe  4=Polypoid | 0 = None  1 = Mild  2 = Mod  3 = Severe  4=Obstruct | 0 = None  1 = Mild  2 = Mod  3 = Severe  4=Obstructing | 0 = Absent  2 = Present | 0 = Absent  2 = Present |
| ***TOTAL SCORE (>11 indicates LPR)*** | | | | | | | |

1. **Assess Glottal Closure**

* **Breath hold**
* **Breath hold with effort**
* **Voicing**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Glottic Closure*** | | | | | | | | |
| ***Airway protection***  ***Scale*** | **1**  **Breath holding not achieved** | **2 Transient breath hold, glottis open** | **3 Sustained breath hold, glottis open** | **4 Transient true vocal fold closure** | **5 Sustained true vocal fold closure** | **6**  **Transient true and ventricular closure** | **7**  **Sustained true and ventricular closure** | **8**  **Vocal fold closure on voluntary cough** |
|  |  |  |  |  |  |  |  |
| **Consider appropriateness of LVR bagging if able to maintain glottis closure to command**  **Comments:** | | | | | | | | |

1. **Assess effect of Mechanical Insufflation-Exsufflation**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Machine Model:**  **Mode:** | | | | **Mask make and size:** | | | | |
| **Settings:** | | | | **Impact on Structures** | | | | |
| **Inhale Pressure:** | CmH2O | **Exhale Pressure:** | CmH2O |  | **NAD** | **Mild** | **Moderate** | **Severe** |
| **Hypopharynx** |  |  |  |  |
| **Inhale Time:** | secs | **Exhale Time:** | secs | **Epiglottis** |  |  |  |  |
| **Ariepiglottic folds and arytenoids** | *Shut down?* | | | |
| **Flow Rate:** |  | **Oscillation:** | Yes/no | **Base of tongue** |  |  |  |  |
| **Airway** | *Patent?* | | | |
| **Comments:** |  | | | **Cricopharyngeus** |  |  |  |  |
| **Settings:** | | | | **Impact on Structures** | | | | |
| **Inhale Pressure:** | CmH2O | **Exhale Pressure:** | CmH2O |  | **NAD** | **Mild** | **Moderate** | **Severe** |
| **Hypopharynx** |  |  |  |  |
| **Inhale Time:** | secs | **Exhale Time:** | secs | **Epiglottis** |  |  |  |  |
| **Ariepiglottic folds and arytenoids** |  | | | |
| **Flow Rate:** |  | **Oscillation:** | Yes/no | **Base of tongue** |  |  |  |  |
| **Airway** |  | | | |
| **Comments:** |  | | | **Cricopharyngeus** |  |  |  |  |
| **Settings:** | | | | **Impact on Structures** | | | | |
| **Inhale Pressure:** | CmH2O | **Exhale Pressure:** | CmH2O |  | **NAD** | **Mild** | **Moderate** | **Severe** |
| **Hypopharynx** |  |  |  |  |
| **Inhale Time:** | secs | **Exhale Time:** | secs | **Epiglottis** |  |  |  |  |
| **Ariepiglottic folds and arytenoids** |  | | | |
| **Flow Rate:** |  | **Oscillation:** | Yes/no | **Base of tongue** |  |  |  |  |
| **Airway** |  | | | |
| **Comments:** |  | | | **Cricopharyngeus** |  |  |  |  |
| **Settings:** | | | | **Impact on Structures** | | | | |
| **Inhale Pressure:** | CmH2O | **Exhale Pressure:** | CmH2O |  | **NAD** | **Mild** | **Moderate** | **Severe** |
| **Hypopharynx** |  |  |  |  |
| **Inhale Time:** | secs | **Exhale Time:** | secs | **Epiglottis** |  |  |  |  |
| **Ariepiglottic folds and arytenoids** |  | | | |
| **Flow Rate:** |  | **Oscillation:** | Yes/no | **Base of tongue** |  |  |  |  |
| **Airway** |  | | | |
| **Comments:** |  | | | **Cricopharyngeus** |  |  |  |  |
| **Settings:** | | | | **Impact on Structures** | | | | |
| **Inhale Pressure:** | CmH2O | **Exhale Pressure:** | CmH2O |  | **NAD** | **Mild** | **Moderate** | **Severe** |
| **Hypopharynx** |  |  |  |  |
| **Inhale Time:** | secs | **Exhale Time:** | secs | **Epiglottis** |  |  |  |  |
| **Ariepiglottic folds and arytenoids** |  | | | |
| **Flow Rate:** |  | **Oscillation:** | Yes/no | **Base of tongue** |  |  |  |  |
| **Airway** |  | | | |
| **Comments:** |  | | | **Cricopharyngeus** |  |  |  |  |
| **Settings:** | | | | **Impact on Structures** | | | | |
| **Inhale Pressure:** | CmH2O | **Exhale Pressure:** | CmH2O |  | **NAD** | **Mild** | **Moderate** | **Severe** |
| **Hypopharynx** |  |  |  |  |
| **Inhale Time:** | secs | **Exhale Time:** | secs | **Epiglottis** |  |  |  |  |
| **Ariepiglottic folds and arytenoids** |  | | | |
| **Flow Rate:** |  | **Oscillation:** | Yes/no | **Base of tongue** |  |  |  |  |
| **Airway** |  | | | |
| **Comments:** |  | | | **Cricopharyngeus** |  |  |  |  |
| **Settings:** | | | | **Impact on Structures** | | | | |
| **Inhale Pressure:** | CmH2O | **Exhale Pressure:** | CmH2O |  | **NAD** | **Mild** | **Moderate** | **Severe** |
| **Hypopharynx** |  |  |  |  |
| **Inhale Time:** | secs | **Exhale Time:** | secs | **Epiglottis** |  |  |  |  |
| **Ariepiglottic folds and arytenoids** |  | | | |
| **Flow Rate:** |  | **Oscillation:** | Yes/no | **Base of tongue** |  |  |  |  |
| **Airway** |  | | | |
| **Comments:** |  | | | **Cricopharyngeus** |  |  |  |  |
| **Settings:** | | | | **Impact on Structures** | | | | |
| **Inhale Pressure:** | 15 CmH2O | **Exhale Pressure:** | -15 CmH2O |  | **NAD** | **Mild** | **Moderate** | **Severe** |
| **Hypopharynx** |  |  |  |  |
| **Inhale Time:** | 1.8 secs | **Exhale Time:** | 1.8 secs | **Epiglottis** |  |  |  |  |
| **Ariepiglottic folds and arytenoids** |  | | | |
| **Flow Rate:** |  | **Oscillation:** | Yes/no | **Base of tongue** |  |  |  |  |
| **Airway** |  | | | |
| **Comments:** |  | | | **Cricopharyngeus** |  |  |  |  |
| **Settings:** | | | | **Impact on Structures** | | | | |
| **Inhale Pressure:** | CmH2O | **Exhale Pressure:** | CmH2O |  | **NAD** | **Mild** | **Moderate** | **Severe** |
| **Hypopharynx** |  |  |  |  |
| **Inhale Time:** | secs | **Exhale Time:** | secs | **Epiglottis** |  |  |  |  |
| **Ariepiglottic folds and arytenoids** |  | | | |
| **Flow Rate:** |  | **Oscillation:** | Yes/no | **Base of tongue** |  |  |  |  |
| **Airway** |  | | | |
| **Comments:** |  | | | **Cricopharyngeus** |  |  |  |  |

**Findings:**

1. Effect from pressures
2. Secretion management
3. Breath stacking
4. Swallowing function

*Comment on tolerance*

*Chest expansion*

*Impact on structures*

*Secretions*

**Recommendations:**

Secretion management

Cough assist settings

Other

**SLT names:**

**PT names:**