

Data Collection Sheet

Study information

Collecting researcher: _____

Date: 2020 / /

Patient ID: _____

Patient PIN: _____

Machine Type: _____

Machine #: _____

Study initiation time: _____

Consent signed? Y N

Was consent delayed? Y N

If Yes, reason: _____

Randomization Group: Control Experimental

Demographic information

Gender: M F non-binary

Age: _____

Height: _____

Weight: _____

Does patient wear dentures? Y N

Does patient have facial hair? None Moustache Short beard Full beard Other

COVID status: Confirmed Pending Negative

Metabolic Data

| | 0 hours | 4 hours | 12 hours | 24 hours |
|-------------------------------------|---------|---------|----------|----------|
| Glasgow Coma Scale (refer below) | | | | |
| Respiratory rate | | | | |
| Heart rate | | | | |
| pH | | | | |
| HCO ₃ | | | | |
| PaCO ₂ | | | | |
| PaO ₂ | | | | |
| SpO ₂ | | | | |

Non-invasive ventilation data

| | 0 hours | 4 hours | 12 hours | 24 hours |
|---|---------|---------|----------|----------|
| Ventilation technique (BiPAP, CPAP) | | | | |
| IPAP | | | | |
| EPAP | | | | |
| Mask fit (1-5 scale, 1 = poor; 5 = excellent) *If not excellent, state reason. | | | | |
| Patient tolerance of BiPAP mask (1-5 scale; 1 = poor; 5 = excellent) | | | | |

Adverse events data

| | 0 hours | 4 hours | 12 hours | 24 hours |
|--|---------|---------|----------|----------|
| Ulcer staging on face (refer below) | | | | |
| Nasal or oral bleeding | | | | |
| Pneumothorax | | | | |
| Other concerns | | | | |

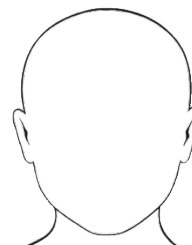
Outcome at 24 hours: Intubated Still on NIV Discontinued from NIV Deceased

Total NIV time (hours): _____

Explain outcome above:

Disposition:

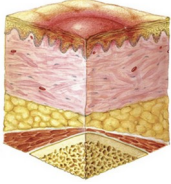
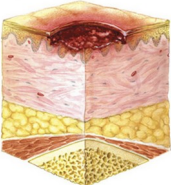
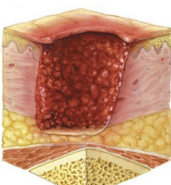
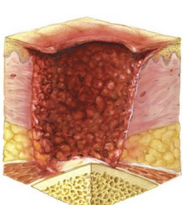
If ulcer, indicate location:



Glasgow Coma Scale

| Domain | Response | Score |
|----------------------|------------------|-------|
| Eye Opening | Spontaneous | 4 |
| | To speech | 3 |
| | To pain | 2 |
| | None | 1 |
| Best Verbal Response | Oriented | 5 |
| | Confused | 4 |
| | Inappropriate | 3 |
| | Incomprehensible | 2 |
| | None | 1 |
| Best Motor Response | Obedient | 6 |
| | Localizing | 5 |
| | Withdrawal | 4 |
| | Flexing | 3 |
| | Extending | 2 |
| | None | 1 |

Ulcer Score (NPUAP Staging System for Pressure Ulcers)

| Stage | | Description |
|-------|---|--|
| 0 | n/a | No ulcer |
| I |  | Intact skin with non-blanching redness. |
| II |  | Partial-thickness loss of skin or tissue presenting as a shallow open ulcer with a red-pink wound bed, without slough. |
| III |  | Full-thickness skin loss; subcutaneous fat may be visible, but bone, tendon, or muscle is not exposed; slough may be present but does not obscure the depth of tissue loss; may include undermining and tunneling. |
| IV |  | Full-thickness tissue loss with exposed bone, tendon, or muscle; slough or eschar may be present; often includes undermining and tunneling. |