Non-invasive Ventilation (NIV) (CPAP / BiPAP)

Do you believe the patient will benefit from non-invasive ventilation?¹

Yes

Does non-invasive ventilation fit within the patient’s wishes values and beliefs?

Yes

Does the patient have any infectious symptoms?

No

Is the patient under investigation or positive for COVID-19?

Yes

Do not use non-invasive ventilation

No

Yes

Does the patient have an evidence-based indication for NIV?

Yes

- pulmonary edema with hypoxia refractory to face mask oxygen
- critically ill asthma exacerbation not requiring immediate intubation
- a non-infectious COPD AND pH below 7.25 AND PaCO₂ above 60

No

Non-invasive ventilation is not offered.

- Move patient to a negative pressure room or private room with a HEPA-filter
- Obtain NPS for COVID-19
- All staff use AGMP precautions
- Trial of NIV for 4-6 hours
- Do not transport patient
- If continued need, consult ICU.
- Consider ETI or mask breaks.

If the patient is a candidate AND it aligns with wishes values and beliefs, consider invasive ventilation. See Offering Critical Care.¹

¹See Offering Critical Care. If the patient will not benefit from a therapy, it should not be offered. NIV is not offered for palliative purpose (to relieve symptoms only) if the goal is patient comfort. There is no good evidence for this and a narcotic-based symptom strategy is preferred.