Rapid Review

Administering Jet Nebulization Treatments (Nursing)

Important Points to Remember:

- **Nursing staff will be responsible for performing Jet Nebulization treatments for inpatients during the COVID-19 surge.**

- Respiratory Therapy will perform the initial treatment. Nursing staff will need to perform subsequent treatments.

- If the patient becomes dizzy or jittery, take a 5 minute break and then resume. Remind the patient to breathe slowly to avoid hyperventilation.

- If there are questions or concerns regarding respiratory treatments, please contact the Respiratory Therapist for your area.

RATIONALE: To ensure that nursing staff understands the process outlining how to perform Jet Nebulization Treatments for inpatients during the COVID-19 surge.

1. **Always follow standard precautions, perform good hand hygiene and use appropriate PPE.**

2. **If a patient is suspected or positive COVID-19, they will use the filtered nebulization treatment and one way valve.**

3. Evaluate the patient for need and appropriateness; clinical information, vital signs, device needed to deliver treatment, wheezing, COPD, etc.

4. Perform appropriate scanning of patient and medication.

5. Position patient in an upright position. The patient should be sitting up as much as possible.

6. Instruct patient and family on correct technique giving positive feedback and encouragement during treatment.

7. Set flow meter to **6-7 LPM**

8. **Monitor vital signs before, during, and after treatment.**

9. Turn off flow meter once treatment is complete, approximately 10-15 minutes.

10. Empty residual medication from nebulizer, shake and leave open to dry between treatments. Do not place mask near a sink.

11. **Evaluate the patients response to therapy**

12. Please review the below video for information on how to connect the tubing and perform treatments: https://www.youtube.com/watch?v=ckwHswmzuO8&t=39s

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