

Recommendations for applying TNI *softFlow*

General recommendations in patients with COPD

1. Nasal insufflation is mostly recommended in combination with oxygen.
2. The original oxygen content is maintained, i.e. if the patient is typically administered 2-4 L/min O₂, the same amount of oxygen is added when using TNI *softFlow*.
3. For get acquainted with the therapy, the patient should be treated at a low flow rate, 10-12 L/ min air/O₂ mixture, for about 5-10 minutes.
4. For this, the system should be filled with warm water or have been warmed up for about 5 minutes so that a sufficiently humidified and warmed air/O₂ mixture can be applied.
5. The best benefit for COPD patients is achieved at a flow rate of the air/O₂ mixture of 15 to 20 L/min.
The display of the TNI *softFlow* always shows the summed flow of the air/O₂ mixture and automatically controls the added air, in dependence of the added O₂.
6. In order to get the best results possible, the patient should be requested to breathe through his nose as steadily as possible during the application.
7. The trend should show positively changed, measurable SaO₂, pO₂ und pCO₂ results after 30-60 minutes, after 3-8 hours of therapy stabilization should occur in individual cases.
8. The patient's state is optimized by titrating the air/O₂ mixture, using the optimum amount of added O₂ in combination with the flow rate.
9. It is recommended to monitor the patient during application by means of
 - Continuously measuring the oxygen saturation.
 - Continuously measuring the transcutaneous CO₂ value, tCO₂.
 - BGA in short intervals.

Recommendations for applying TNI *softFlow*

General recommendations in patients with ILD

1. Nasal insufflation is mostly recommended in combination with oxygen.
2. The original oxygen content is maintained, i.e. if the patient is typically administered 2-4 L/min O₂, the same amount of oxygen is added when using TNI *softFlow*.
3. For get acquainted with the therapy, the patient should be treated at a low flow rate, 10 L/ min air/O₂ mixture, for about 5-10 minutes.
4. For this, the system should be filled with warm water or have been warmed up for about 5 minutes so that a sufficiently humidified and warmed air/O₂ mixture can be applied.
5. A slight feeling of dizziness at the beginning of the therapy is not critical and indicates a good washout of the V_D, which is extremely beneficial for fibrosis patients.
6. The display of the TNI *softFlow* always shows the summed flow of the air/O₂ mixture and automatically controls the added air, in dependence of the added O₂.
7. In order to get the best results possible, the patient should be requested to breathe through his nose as steadily as possible during the application.
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9. The patient's state is optimized by titrating the air/O₂ mixture, using the optimum amount of added O₂ in combination with the flow rate.
10. It is recommended to monitor the patient during application by means of
 - Continuously measuring the oxygen saturation.
 - Continuously measuring the transcutaneous CO₂ value, tCO₂.
 - BGA in short intervals.