

Why use CPAP therapy for acute pulmonary edema?

The pre-hospital use of CPAP therapy (CPAP = Continuous Positive Airway Pressure) for patients with acute pulmonary edema has been shown to significantly improve oxygen saturation, respiratory frequency and heart rate. With the use of CPAP, risky intubation can be avoided in many cases, resulting in shorter hospital stays.

What effect does CPAP have on acute pulmonary edema?

- Expulsion of alveolar fluid in the intracellular space
- Reduction of end-expiratory tendency of alveoli to collapse
- Re-opening and keeping open closed alveoli
- Reduction in airway resistance
- Reduction in work of breathing

When should CPAP therapy be started?

- Immediately upon diagnosis at emergency scene
- Secondary: upon failure of previously attempted drug treatment

Which CPAP pressure should be used?

- Effective therapy can often be administered at about 7.5 mbar. If that is insufficient, pressure can be raised. You can increase the pressure to 15 mbar with MODUL CPAP.
- When the patient's condition improves, the CPAP pressure can be decreased in many cases.



MODUL CPAP
WM 29100



CPAP Boussignac Valve
for WEINMANN Emergency
MODUL CPAP Set, 10 pieces
WM 15638

CPAP/NIV Mask
as disposable mask in the sizes
Size S WM 20703
Size M WM 20704
Size L WM 20705

MODUL CPAP on the LIFE-BASE portable system

Everything on hand on just one LIFE-BASE portable system: Thanks to the expansion of our MODUL System with MODUL CPAP, you can now provide ideal treatment in all respiratory emergencies:

- Controlled and assisted ventilation with MEDUMAT Standard^a
- Non-invasive CPAP therapy with MODUL CPAP
- Oxygen inhalation with OXYWAY Fast II



LIFE-BASE Mini II
with ventilator MEDUMAT
Standard^a, MODUL CPAP and
OXYWAY Fast II
WM 9121



LIFE-BASE III
with ventilator MEDUMAT
Standard^a, MODUL CPAP and
OXYWAY Fast II
WM 8251



CPAP therapy for acute pulmonary edema

Step-by-step instructions for CPAP therapy with MODUL CPAP and CPAP Boussignac valve

This step-by-step guide does not replace the instructions for use of the device. Please refer to the instructions for use for proper and safe usage of the device.

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Step-by-step instructions for CPAP therapy with MODUL CPAP and CPAP Boussignac valve

Open the oxygen cylinder.



Connect the CPAP Boussignac valve to the CPAP mask.



If the patient can tolerate the CPAP mask, fasten it in place with the help of the headgear.



Connect the CPAP Boussignac valve.



Explain CPAP therapy to your patient and hold the mask to his face.



Increase the CPAP pressure slowly (2 mbar per minute) until the targeted therapy pressure is reached.



Choose a suitable CPAP mask.

- Mask length: Use as a guide the distance between the root of the nose and the horizontal groove below the lip when the mouth is half open.
- Mask width: The mask has to cover the mouth completely.

Make sure that the control dial is turned to the left stop (minimum). Switch on MODUL CPAP. Increase the CPAP pressure slowly until the pressure level is equal to 2 mbar.



Monitor the patient's condition continuously along with the set CPAP pressure and the mask fit. Adjust the mask if you detect a leak.