



# Boussignac CPAP

## An Emergency Department Sister's Perspective

Vygon have revolutionised the world of non-invasive ventilation (NIV) by introducing the Boussignac CPAP System. The Boussignac CPAP system is a compact, lightweight, simple and economical alternative to more complicated ventilation methods.

Boussignac CPAP has been used in Europe since 1999, with over 500,000 patients being treated since its launch. Its simple design means that hundreds of clinical staff have been able to treat patients with acute respiratory complications such as pulmonary oedema quickly and effectively.

This is a detailed account from a current Boussignac user, Senior Sister Maggie O'Moore. Maggie has been a nurse for more than 35 years, of which 30 were spent in the field of emergency medicine. Maggie joined Addenbrooke's Hospital in 1982 and has worked in their Emergency Department ever since, and has a vast amount of experience which makes her comments all the more relevant.



Addenbrooke's Emergency Department

“ I first saw the Boussignac CPAP Device a few years ago, when a representative from Vygon visited the department to give us a demonstration of the device. At that time we already had a CPAP device but it was rarely used by the staff. The main reasons for the infrequent use of our current device appeared to be the complexity in set-up and calibration of the machine before it could be used on an individual patient, and some lack of training.

Following a demonstration of the Boussignac CPAP Device, we were impressed at how simple and easy it was for staff to set up the device and treat patients presenting with pulmonary oedema. All that was required was a 30 l/min oxygen flow meter, a PEEP gauge and a box of disposable items all contained within a carry case. This means that the time from a decision being made to administer CPAP, to the time it was being actively used on the patient was only a couple of minutes. We were so impressed by its ease of use, lack of calibration procedures and available training options, that we decided to purchase a device.

Currently, due to the simplicity of the Boussignac CPAP device, all staff members (Nursing & Medical) can set-up and use the product quickly and effectively. In-service training was performed by the Vygon Representative several times, ensuring that all the staff had familiarity. Posters are available in the department reminding all staff how to use the device most effectively, from getting the right size kit to getting an accurate PEEP reading. We have now had the Boussignac device in the department for about 3 years and it continues to provide us with a simple and effective means of delivering non-invasive ventilation.

The patients that present to the Emergency Department with pulmonary oedema, no longer have to wait for the



Boussignac CPAP Set-up

equipment to undergo a more complex set-up or calibration procedures prior to receiving treatment. In my opinion this has meant more rapid improvement in their symptoms. Some patients with severe shortness of breath have improved so quickly with CPAP that they no longer require nitrate infusions or Coronary Care Unit admission.

I would recommend that any Emergency Department in the UK thinking about introducing a CPAP system should consider the Boussignac system, as it offers a simple and cost effective option.

The above is my own opinion as a senior ED sister and regular Boussignac user. I am not acting as a representative of my hospital Trust.



*Maggie O'Moore*

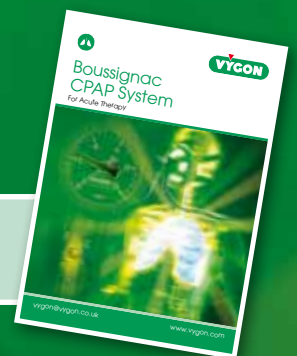
Senior Sister, Emergency Department, Addenbrooke's Hospital.

## Boussignac CPAP System

From Maggie's comments we can identify some key features of the Boussignac system that were of real benefit to the Emergency Department Sister and her team.

Feature	Benefit to staff	Benefit to department
Predominantly disposable (minimal hardware)	• Ease of use	• All staff (medical/nursing) can apply the device
	• No calibration required	• No costly servicing is required
	• Very quick set-up	• Therapy administered sooner • Patient recovers quicker, before they deteriorate further • Fewer drug infusions used • Fewer CCU admissions
	• Very cost effective	• Savings made, meaning more equipment could be purchased (small set-up costs)
Vygon training and support	• Comprehensive education and training	• All staff, nursing and medical are now trained on how to use the device
	• Posters displayed around department	• Giving staff relevant up to date information

For further information on Boussignac please refer to the 'Boussignac CPAP System' literature, available on request from your local Vygon Sales Executive.



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