

**v-TAC™ can improve outcomes
and save NHS hospitals millions of pounds by**

Optimizing Acute Non-Invasive Ventilation Care

The 2017 NCEPOD report and the BTS 2018 Quality Standards for acute NIV in adults revealed serious quality issues across NHS on the delivery of acute NIV services. One of the underlying causes is delays and omissions in blood gas assessment – a vital part of care for this patient group.

v-TAC™ – the new alternative to arterial blood gas (ABG) – makes ABG values easily available from venous blood gas (VBG) and enables significant improvements in clinical care while improving work-flow and lowering costs.



Application of v-TAC™ for acute NIV blood gas testing will:

1

PRODUCE

ABG values
from venous
blood

2

ENHANCE

nurse autonomy
by easy and rapid
access to blood
gas testing

3

IMPROVE

compliance with
clinical guidelines,
quality of treat-
ment and patient
experience

4

REDUCE

Delay in care
Length of stay
Cost of care
Patient mortality

Background

Accurate assessment of gas exchange via blood gas analysis is essential for the clinical management of patients with acute and chronic hypercapnic respiratory failure. Whereas ABG sampling is complex and requires a medical doctor, v-TAC™ combines VBG measurements with oxygen saturation data collected from a pulse oximeter in a process of mathematical arterialisation.

Benefits

There are several benefits from the application of v-TAC™ in clinical practice: In the A&E, v-TAC™ reduces the need for follow-up ABGs and ensures pre-NIV baseline to monitor the success/failure of treatment. In respiratory wards, v-TAC gives nurses easy and rapid access to blood gas testing, allowing them to work more independently, e.g. enable nurse-led NIV titration. Nurse-autonomy and nurse-staffing continuity will enhance compliance with acute NIV quality standards to monitor the success or failure of treatment and ensure intervention in time. Compliance with standards-of-care will improve quality of care and outcomes and reduce length-of-stay, costs and patient mortality.

v-TAC™

calculates ABG values
from VBGs and works
seamlessly with your
existing blood gas
analysers.



v-TAC™ Product Information

v-TAC™ is an advanced software algorithm that converts VBG values, combined with an oxygen saturation measurement (SpO₂), to ABG values with great accuracy and precision. The v-TAC™ software works seamlessly with existing blood gas analysers by capturing VBG results through a data manager in the hospital IT system. It calculates ABG values instantly and automatically and transfers the results to the patient information system or allows their printing on a normal network printer. v-TAC™ is CE-marked as an IVD.

For additional information

contact OBI Medical, or visit www.obimedical.com



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