

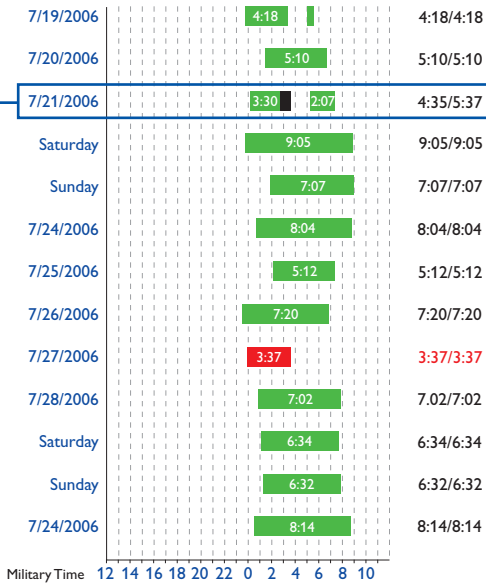
# BiPAP autoSV Advanced—System One



## Encore guide

- 1 Long-term usage
- 2 Long-term trends
- 3 Short-term trends
- 4 Waveform reports
- 5 Summary
- 6 Tips and suggestions

## Patterns of use



Number of hours of use below preset threshold

Blower off

7/21/2006

Blower on but patient not compliant

Blower on and patient compliant

The first number represents time duration of total compliance. The second number represents total blower hours.

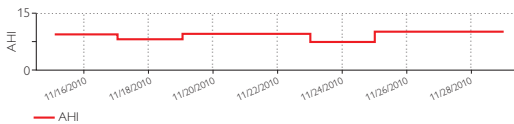
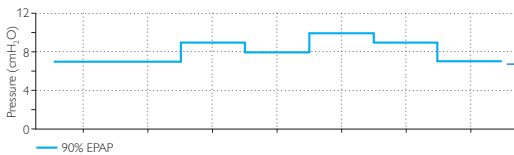
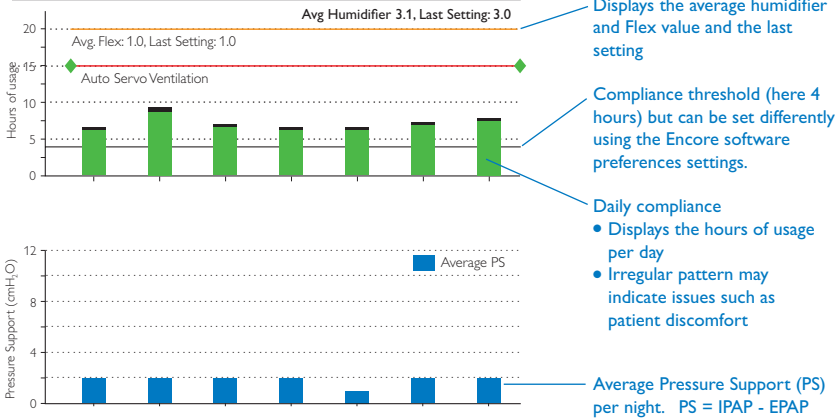
4:35/5:37

# 1

# Long-term usage

## Compliance Information

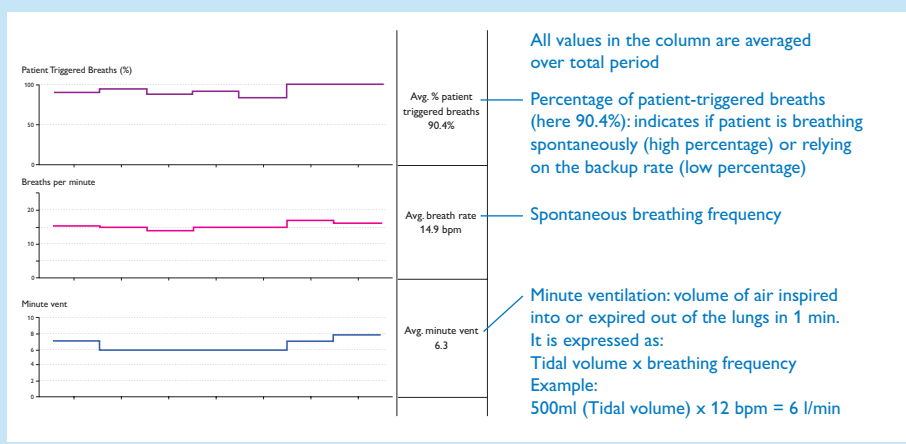
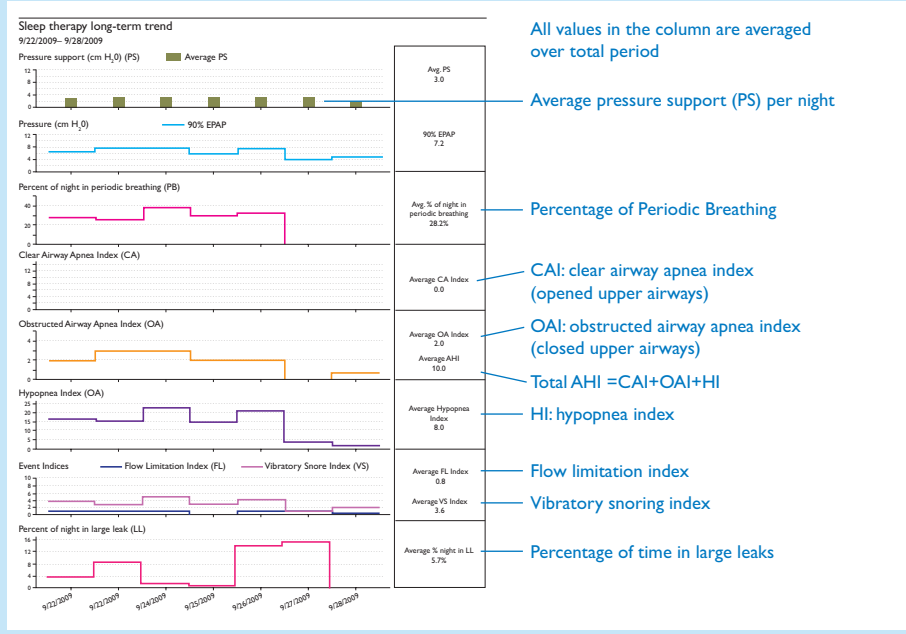
5/19/2009 – 5/25/09



# 2

# Long-term trends

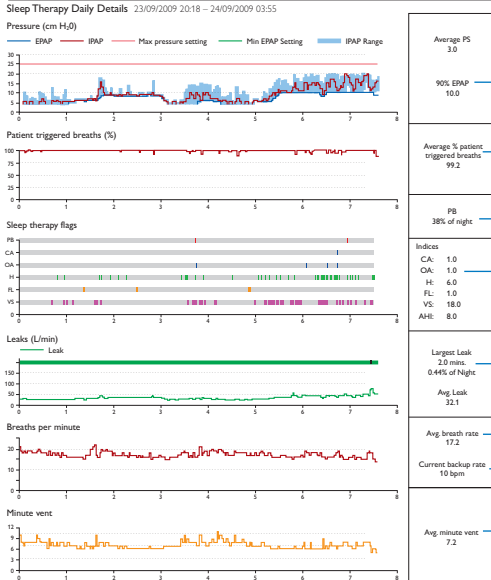
Long-term trends will allow you to evaluate how patient therapy progressed.



# 3

# Short-term trends

Short-term trend analysis is a 'close-up' look at one night vs. the long term trends.



All values in the column are averaged over total period

See detail in illustration below

Percentage of patient spontaneous breaths (here 99,2%)

Percentage of Periodic Breathing

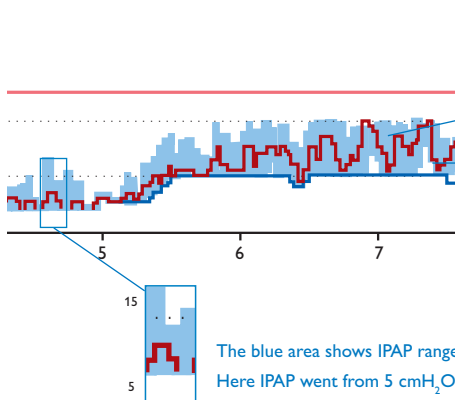
Residual respiratory events during the night are split into categories

Mask fit indicator: green = good fitting, black = large leak period

Patient breathing rate

Device backup rate

Minute ventilation



Maximum pressure setting: this is the maximum IPAP (the pressure will never go above this value)

IPAP Range = IPAP pressure changes during a 2-min. window

IPAP = Average IPAP over a 2-min. window

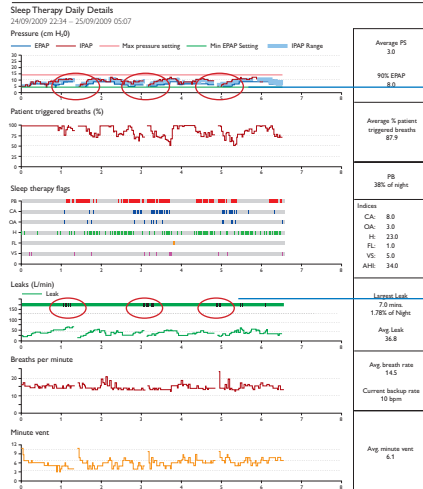
EPAP = Average EPAP over a 2-min. window

Minimum EPAP: this is the minimum EPAP setting (the pressure will never go below this value)

The blue area shows IPAP range during a 2-min. window  
 Here IPAP went from 5 cmH<sub>2</sub>O to 15 cmH<sub>2</sub>O

# Sample of daily trends

## Example: Important leaks



Legend: PB - Periodic breathing, FL - Flow limitation, CA - Clear airway apnea, OA - obstructed airway apnea, H - hypopnea, VS - vibratory snore, PS - pressure support, AHI - apnoea hypopnea index.

Patient switched off 3 times probably due to discomfort induced by large leaks (as illustrated below)

Large leaks periods are displayed in the 'Mask fit indicator'

→ Check patient interface

# 4

# Waveforms

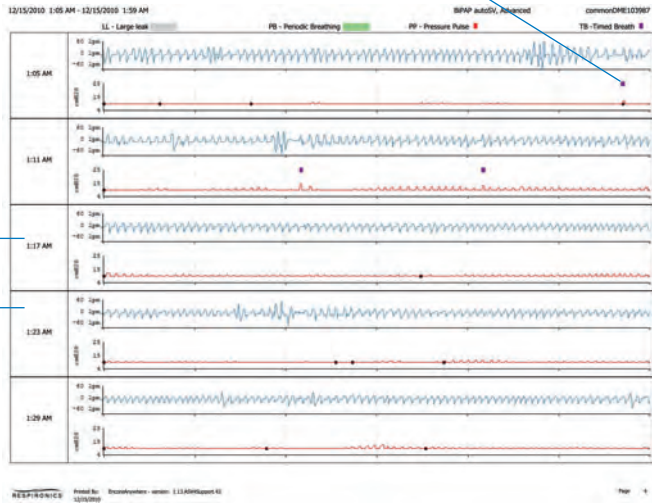
Our detailed Patient Flow and Event report found with the BiPAP autoSV Advanced allows you to view on a weekly basis every breath your patient takes and how the BiPAP autoSV Advanced responded.



Colored indicator flags are available to indicate events that are identified by the device

The blue line is an indication of the patient's flow waveform

Below the patient waveform line, the red line documents the pressure delivered to the patient. The dots indicate a change in EPAP pressure (either increase or decrease)



# 5

# Summary

## Compliance Summary – All Data

### Compliance Statistics

Data Range	22/09/2009 – 18/10/2009 (27 days)
Days with Device Usage	24 days
Days without Device Usage	3 days
Percent Days with Device Usage	88.9%
Cumulative Usage	5 days 12 hrs. 35 mins. 36 secs.
Maximum Usage (1 Day)	9 hrs. 11 mins. 28 secs.
Average Usage (All Days)	4 hrs. 54 mins. 39 secs.
Average Usage (Days Used)	5 hrs. 31 mins. 29 secs.
Minimum Usage (1 Day)	5 mins. 54 secs.
Percent of days with Usage >= 4 hours	70.4%
Percent of days with Usage <= 4 hours	29.6%
Total Blower Hours	5 days 12hrs. 49 mins. 10 secs.

Summary of all compliance data

Patient usage is very good

### BiPAP autoSV Advanced Summary

Average Device EPAP Pressure <= 90% of Time	6.0 cm H2O
Average Percent of Night in Periodic Breathing	0.1%
Average Time in Large Leak Per Day	2 secs.
Average Breath Rate	16.6 bpm
Average Minute Vent	7.3

Percentage of the night the patient has a periodic breathing waveform pattern

### Settings

Min. EPAP:	4.0
Max. EPAP:	10.0
Min. Pressure Support:	0.0
Max. Pressure Support:	10.0
Max. Pressure:	25.0
Min. Pressure Support:	Auto
Flex Setting:	2.0

Reminder of all therapy settings



# 6

## Tips and suggestions

### Tips and suggestions:

- Always pay attention to **diagnostic night** before setting/checking an Encore report.
- Choose the **patient interface** that suits your patient – there is no efficient therapy without a good mask fit!
- **Clinical follow-up.**

### Usages:

BiPAP autoSV Advanced–System One is intended to provide noninvasive ventilation support to treat:

- **Adult patients with obstructive sleep apnea**
- **Respiratory insufficiency caused by central and/or mixed apneas and periodic breathing.**

It is to be used in hospital, or home.



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This guide is not a substitute for a physician's decision and is not intended to replace the Encore manual, but is intended to be used in addition to the manual for reading the Encore report with the Philips Respironics BiPAP autoSV Advanced-System One. This product can only be prescribed by a physician.

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