

# Niveau 3

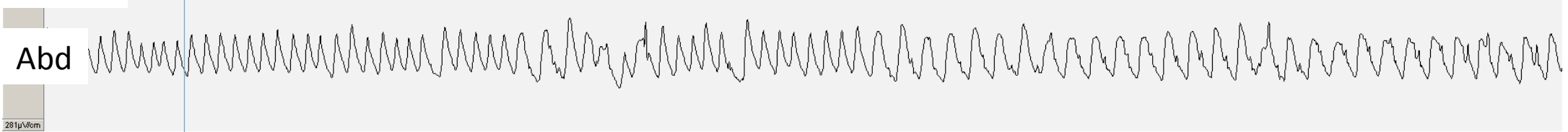
Pression



Débit



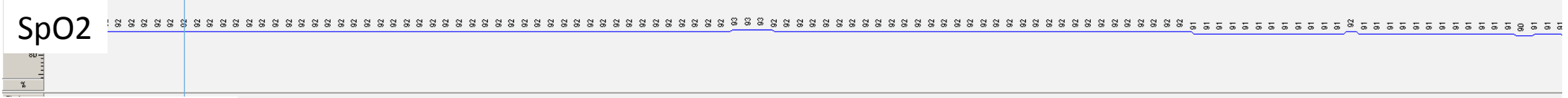
Thorax



Abd



SpO2

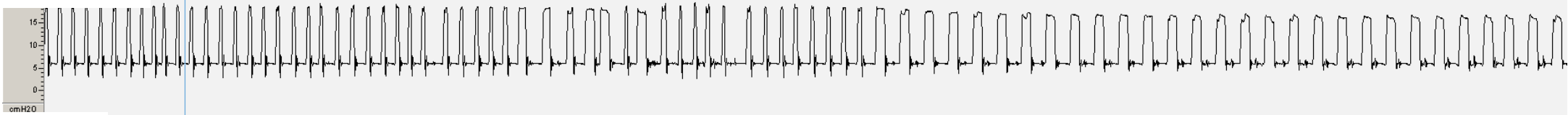


Onde de pouls



## Niveau 3

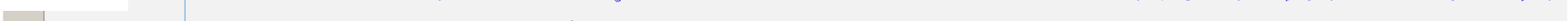
Pression



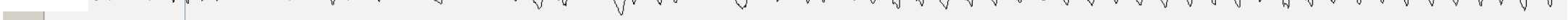
Débit



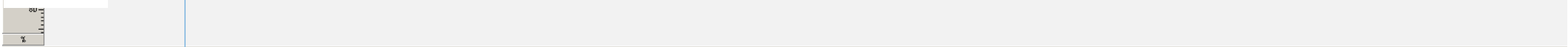
Thorax



Abd



SpO2



Onde de pouls



Fuites non intentionnelles importantes (dépressurisation)

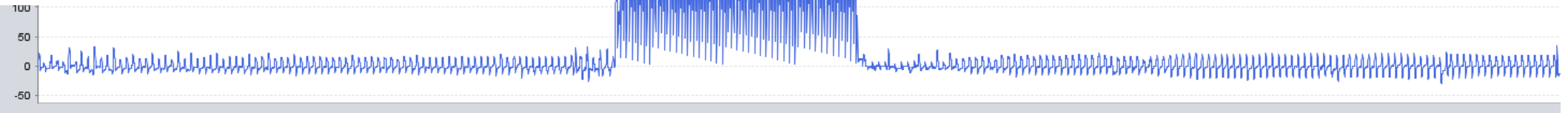
Complicées d'efforts inspiratoires non récompensés malgré l'augmentation des efforts inspiratoires comme le prouve l'augmentation de l'amplitude des mouvements thoraco-abdominaux sur la partie droite de la diapositive

# Niveau 1

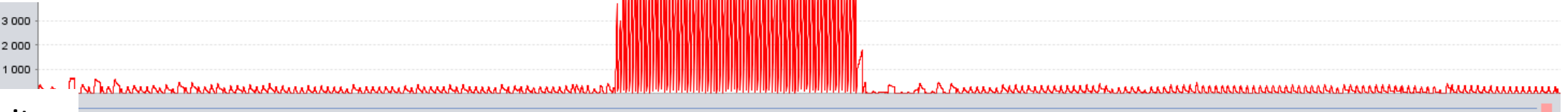
Pression



Débit



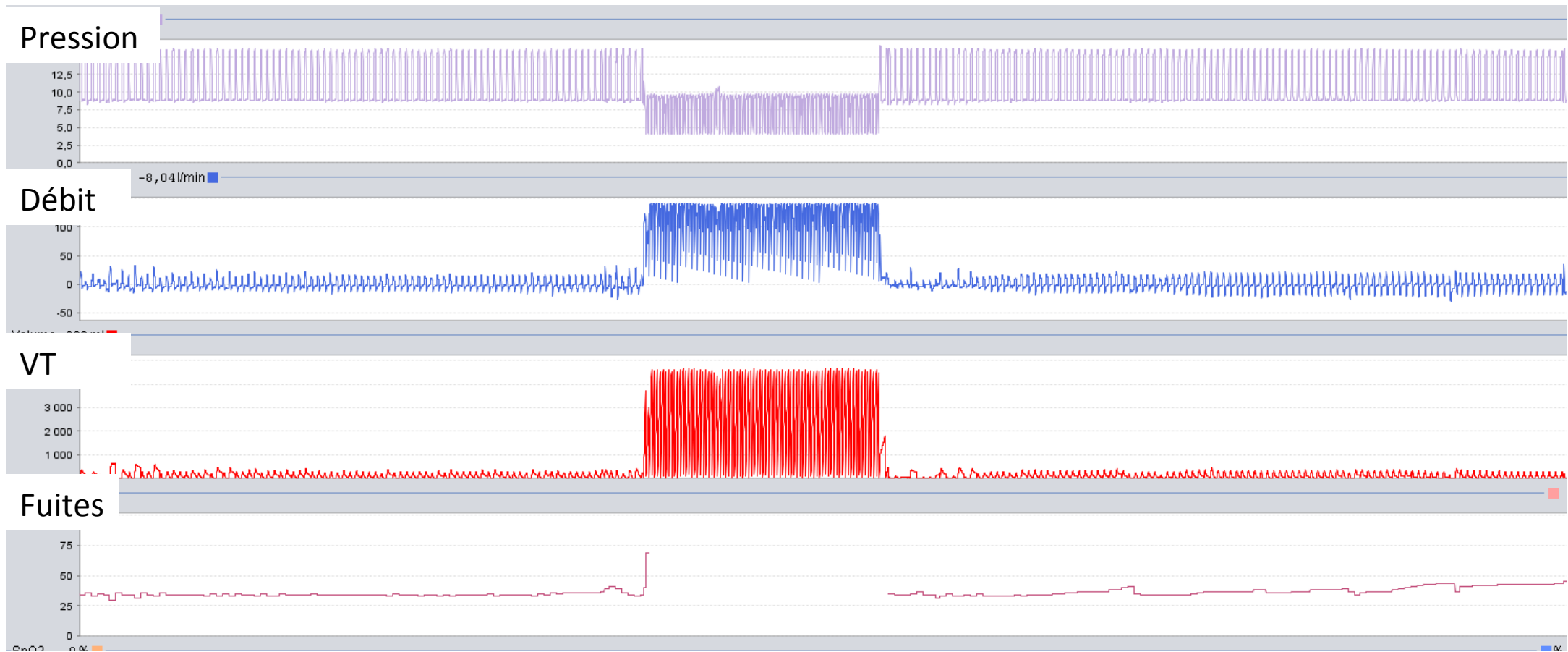
VT



Fuites



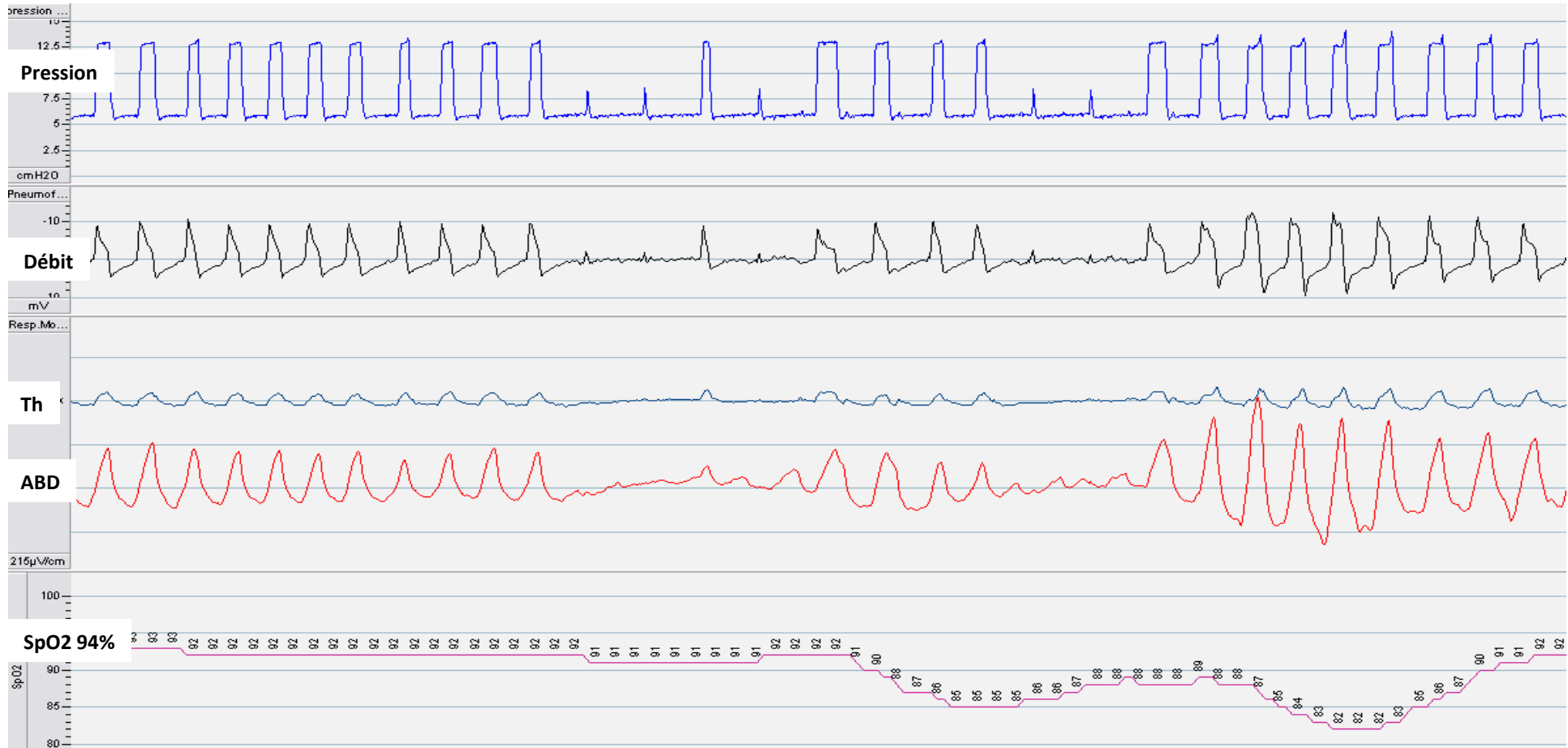
## Niveau 1



Myopathie : Polygraphie intégrée

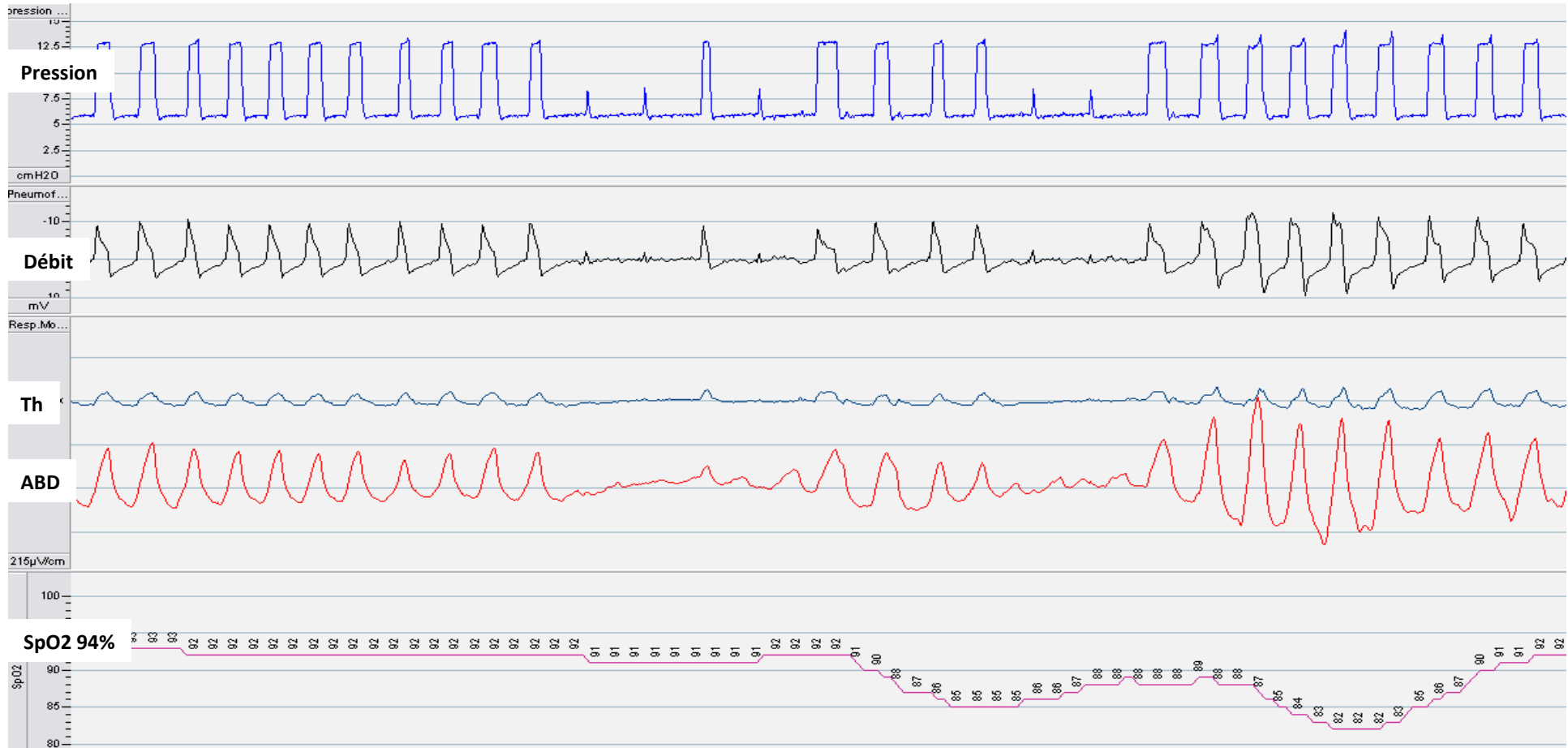
Evènement en rapport avec le soulèvement du masque par la patiente elle-même du fait de douleurs au niveau de l'arête nasale

# Niveau 3



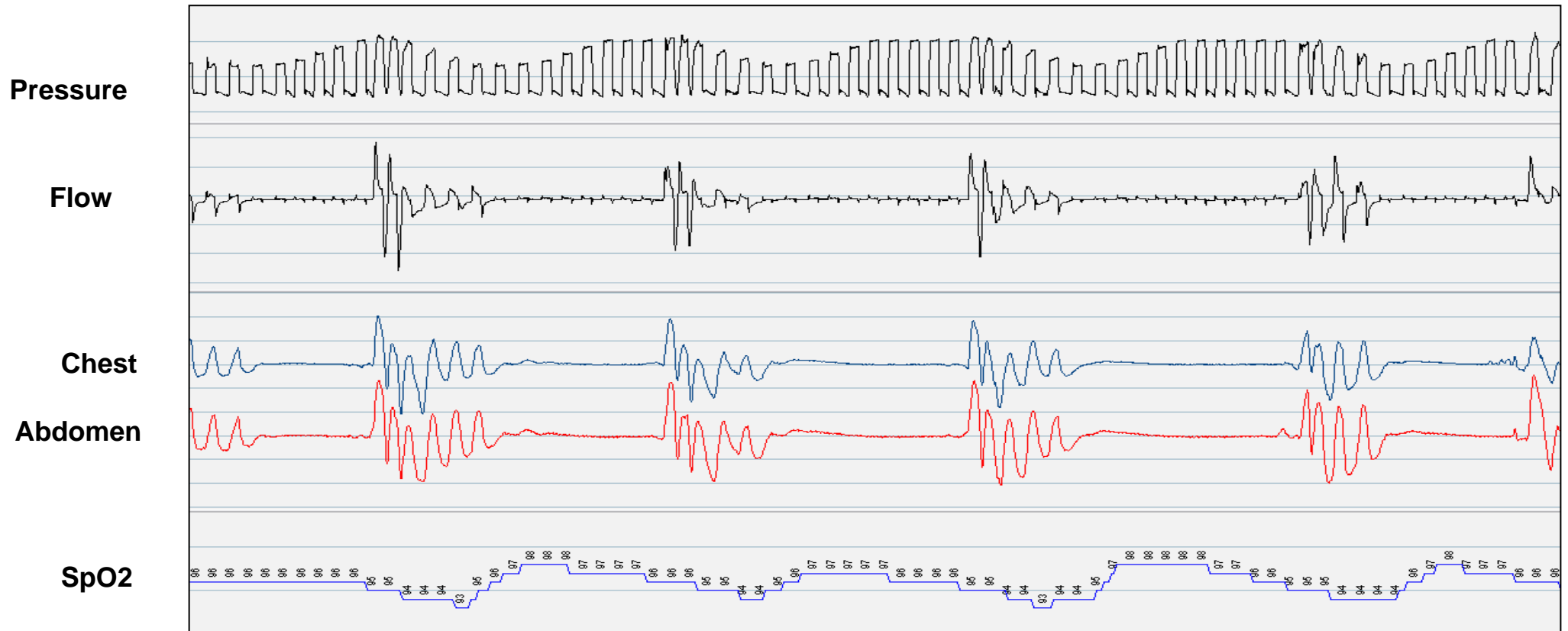
?

# Niveau 3

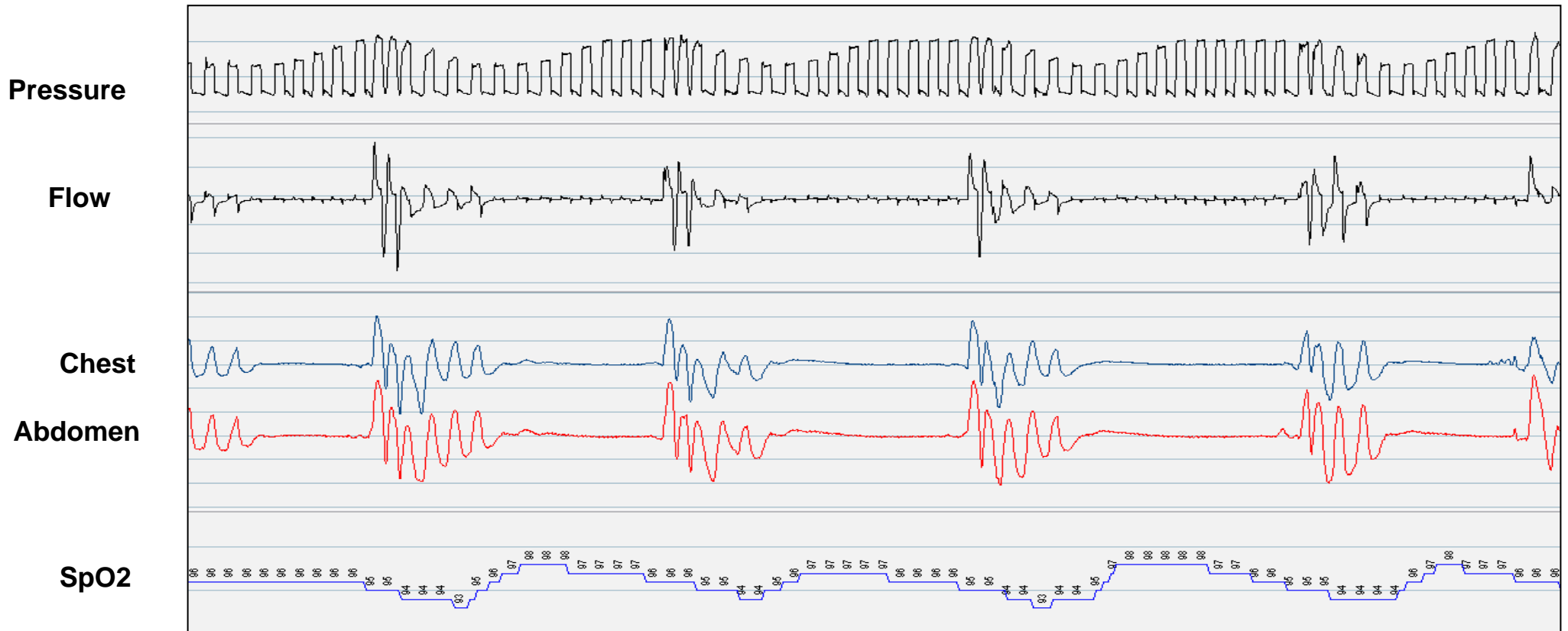


Réglage aberrant  
TMPI 200 ms / Ti min 100 ms

# Niveau 2



Ventilateur barométrique + Volume cible

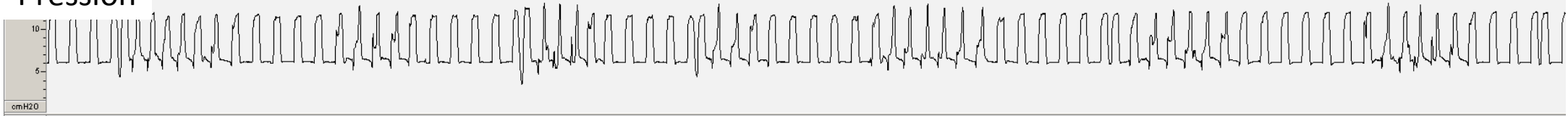


**Obstruction complète VAS avec diminution de commande centrale  
Induite par le volume cible**

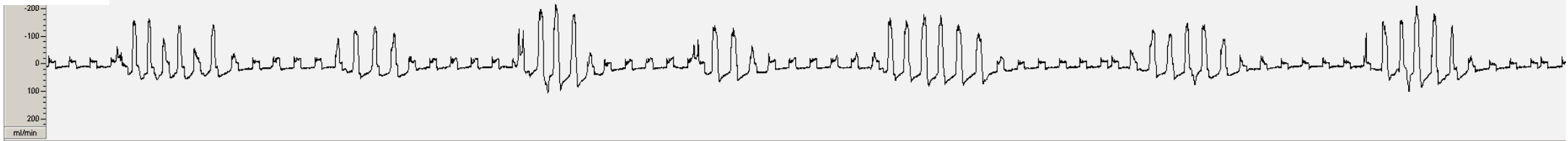


## Niveau 2

Pression



Débit



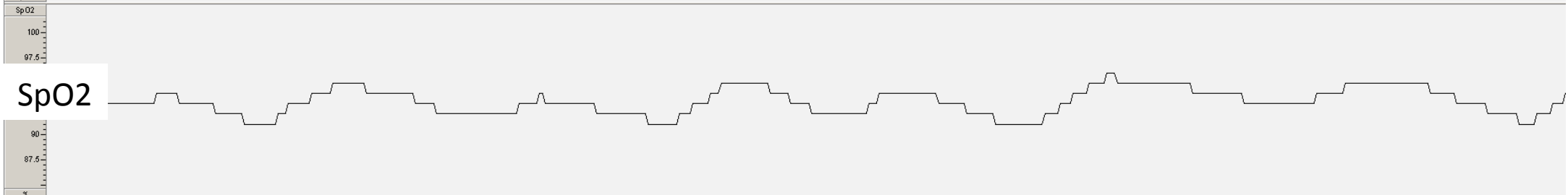
Thorax



Abd

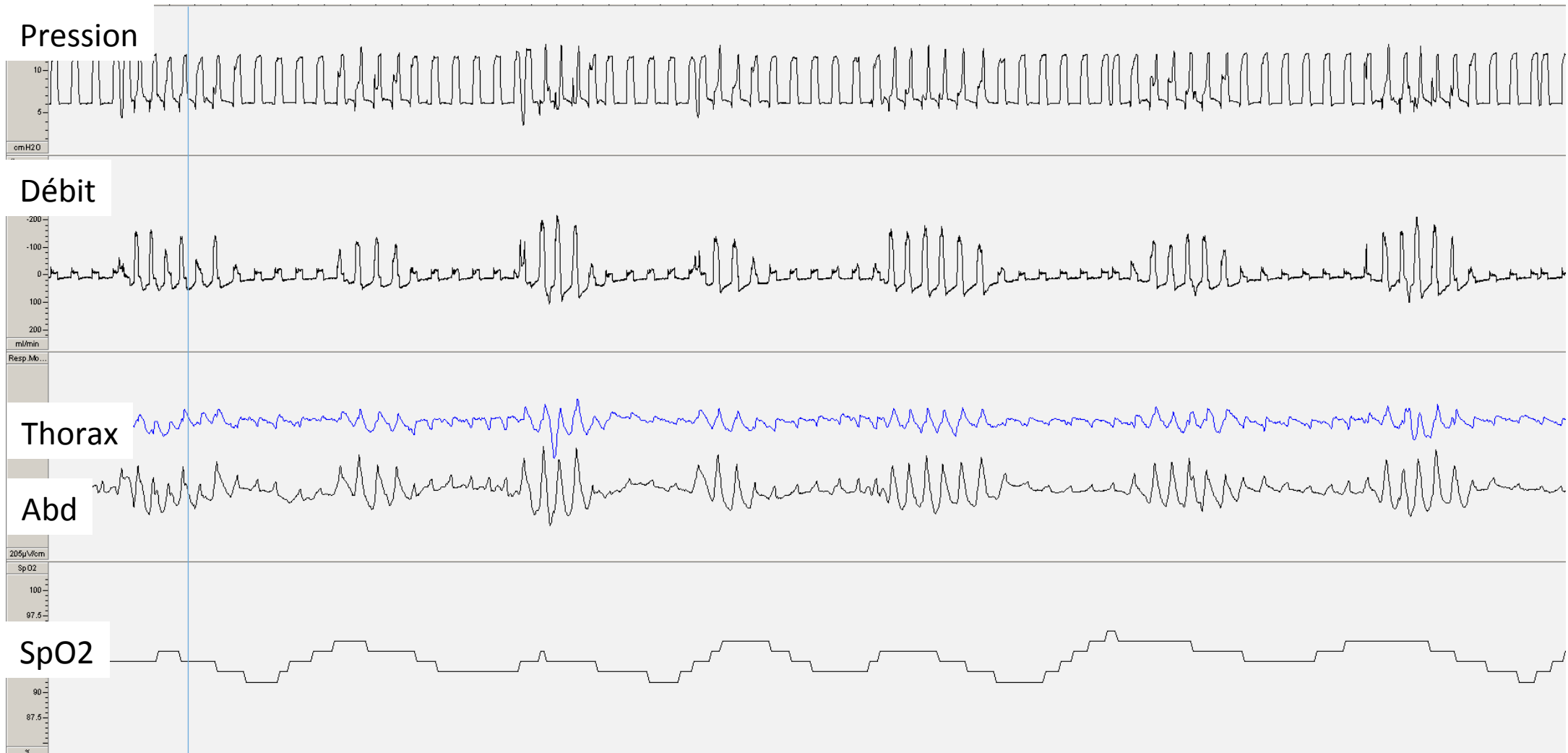


SpO2



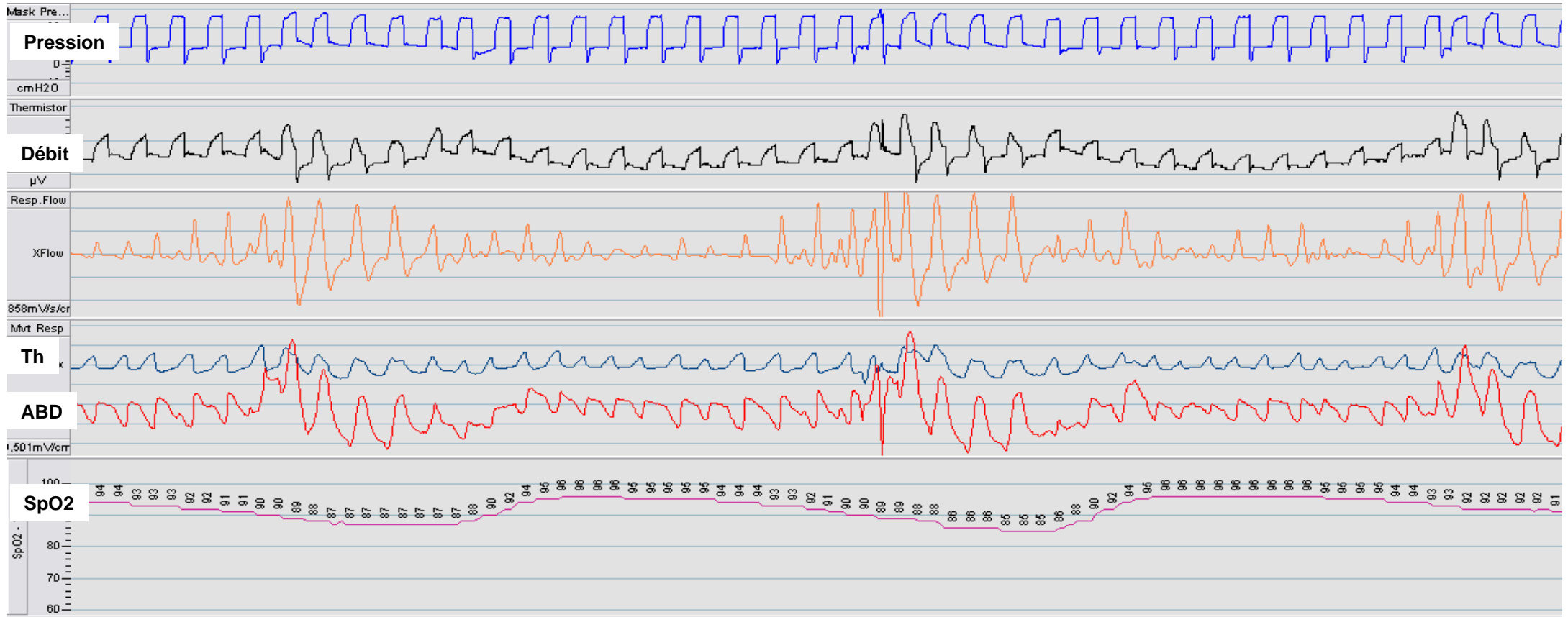
SLA, VNI, inconfort du patient, fatigue matinale  
Que pensez-vous ?

## Niveau 2

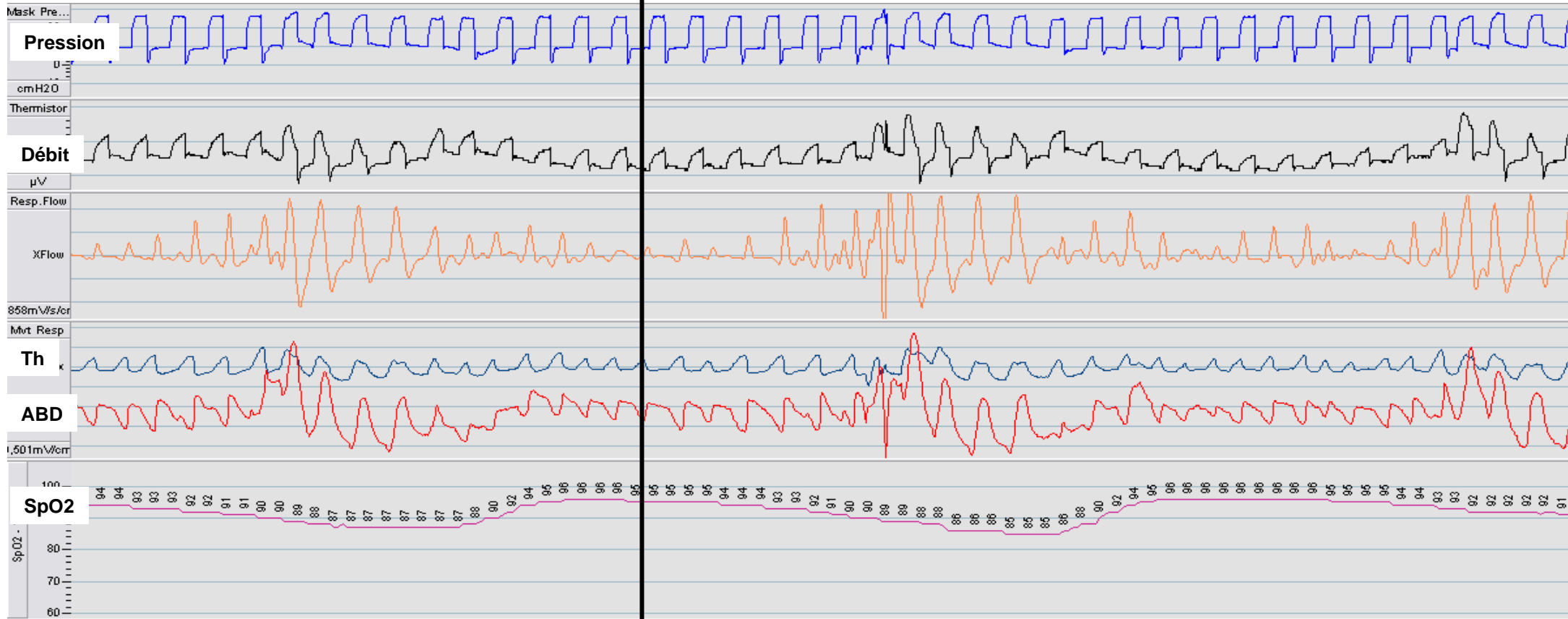


SLA : Obstruction complète des VAS sans diminution de la commande  
Lutte avec le diaphragme

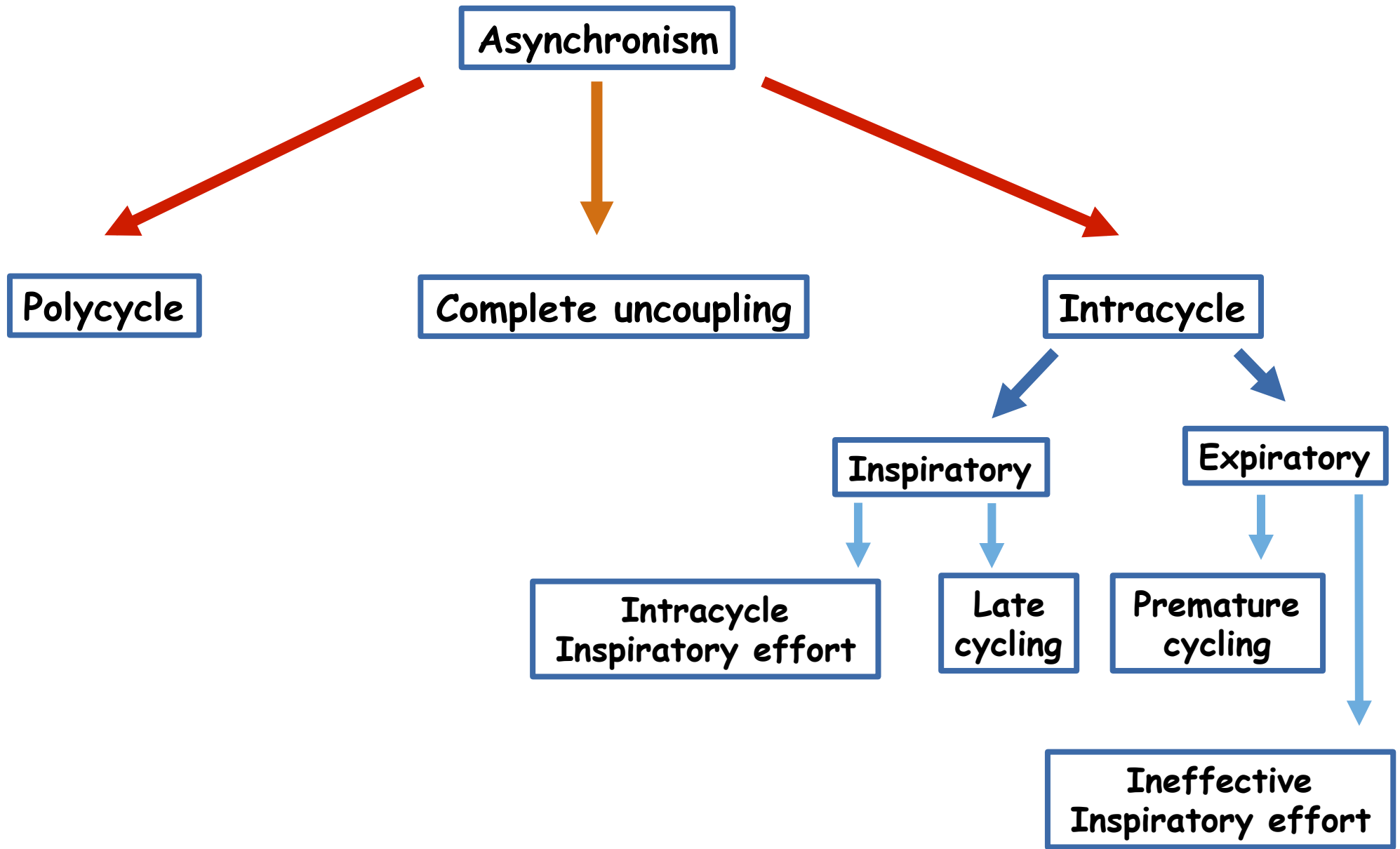
# Niveau 3

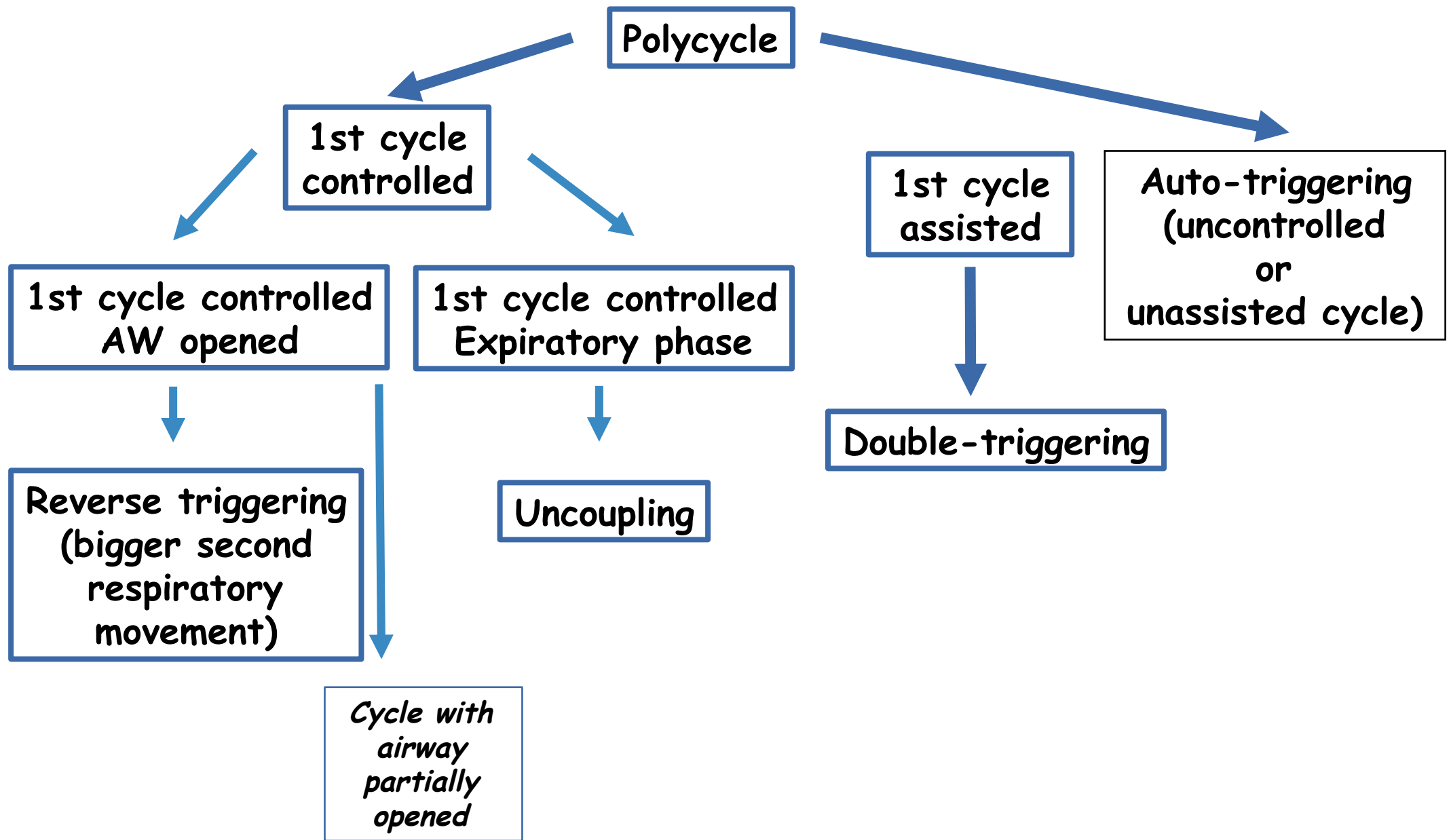


## Niveau 3

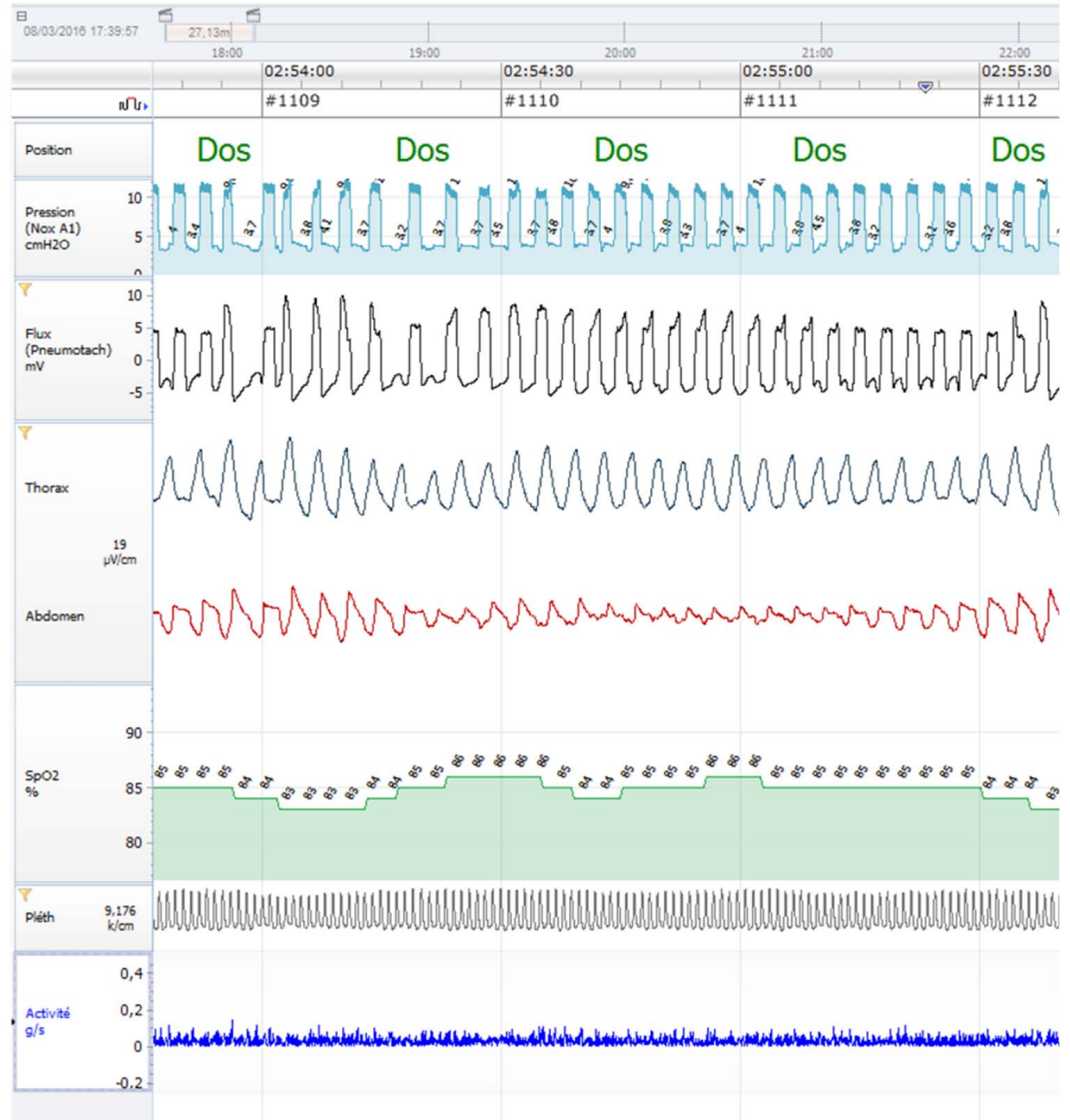


**Obstruction complète VAS sans diminution commande centrale**  
**Attention, la déflexion thoracique est positive**  
**(comme celle du ventilateur) alors celle de l'abdomen**  
**est négative = lutte avec les muscles du cou**  
**+ complications**  
**fuites non intentionnelles (aplatissement du débit)**  
**et asynchronisme**



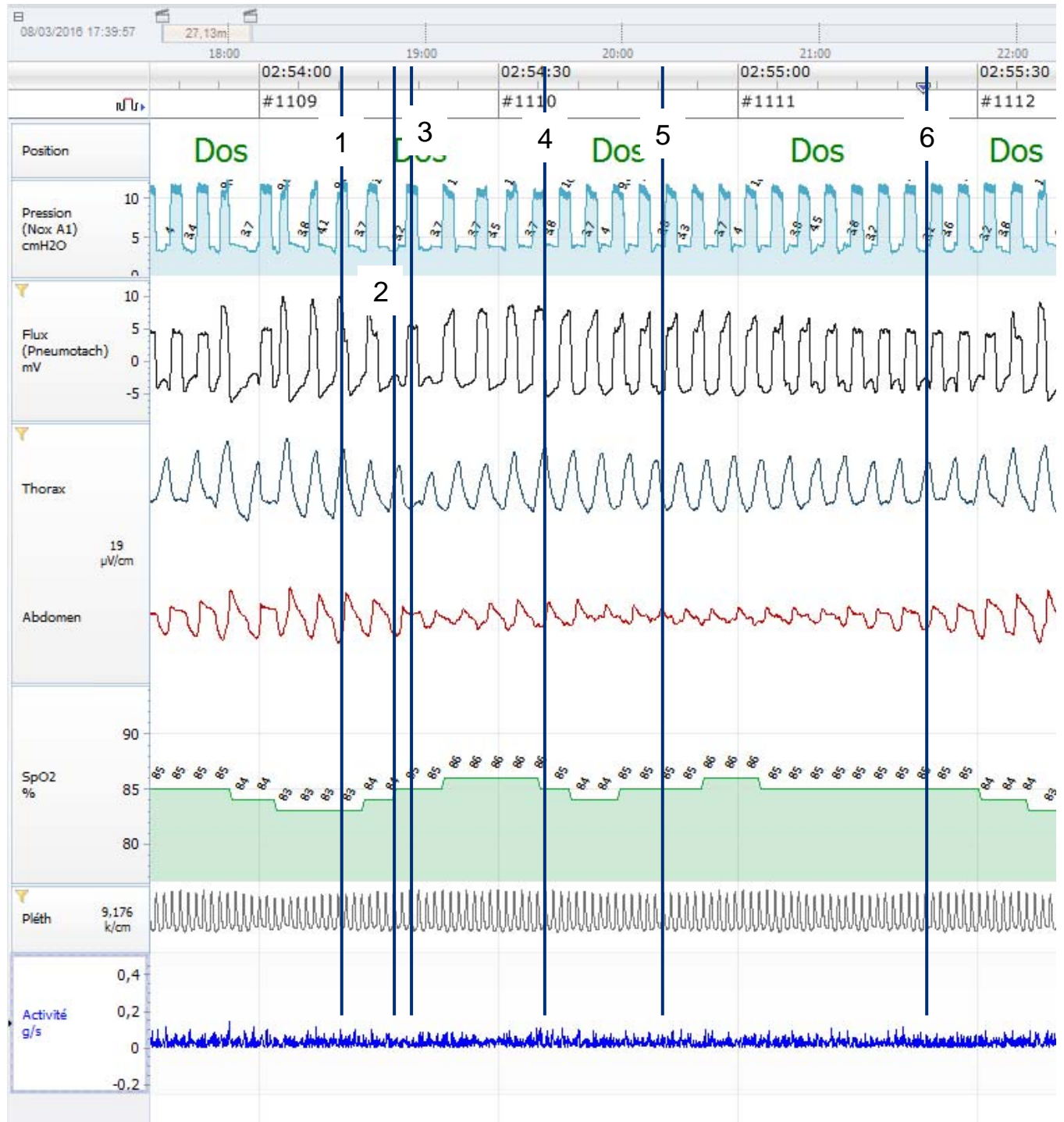


# Niveau 3



### Niveau 3

**Obstruction des VAS  
compliquée de fuites  
non intentionnelles et  
découplage total**

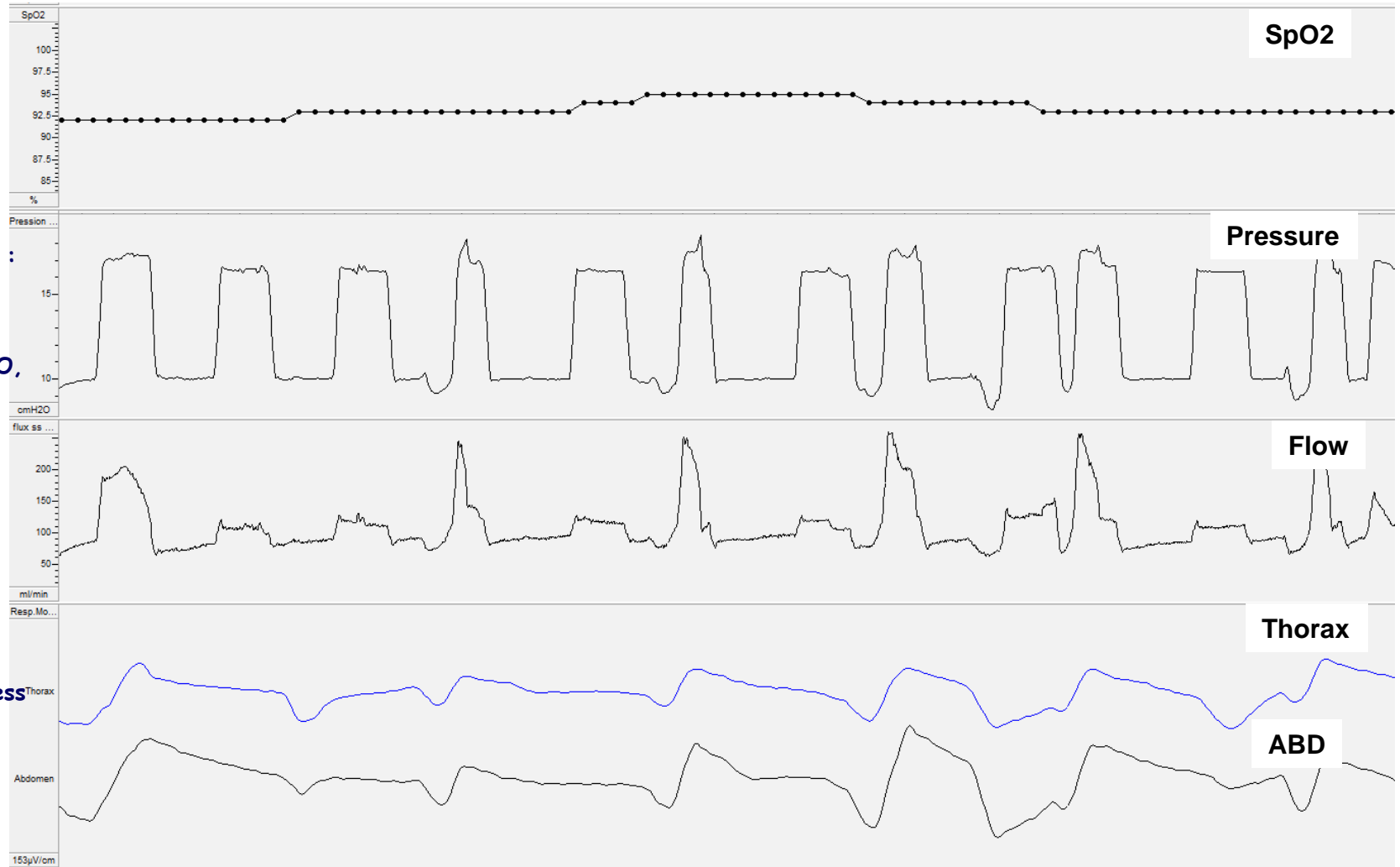




## Niveau 3

- MRS B., 54 yrs old
- Bulbar ALS
- NIV (FiO2 21%), nasal mask :  
• VPAP ST 9  
IPAP 13 cm H2O, EPAP 7 cm H2O,  
FR 16 c/min,  
Pente 100 msec,  
Ti min 1,2 sec, Ti max 1,5 sec  
S Trig I « très haute »

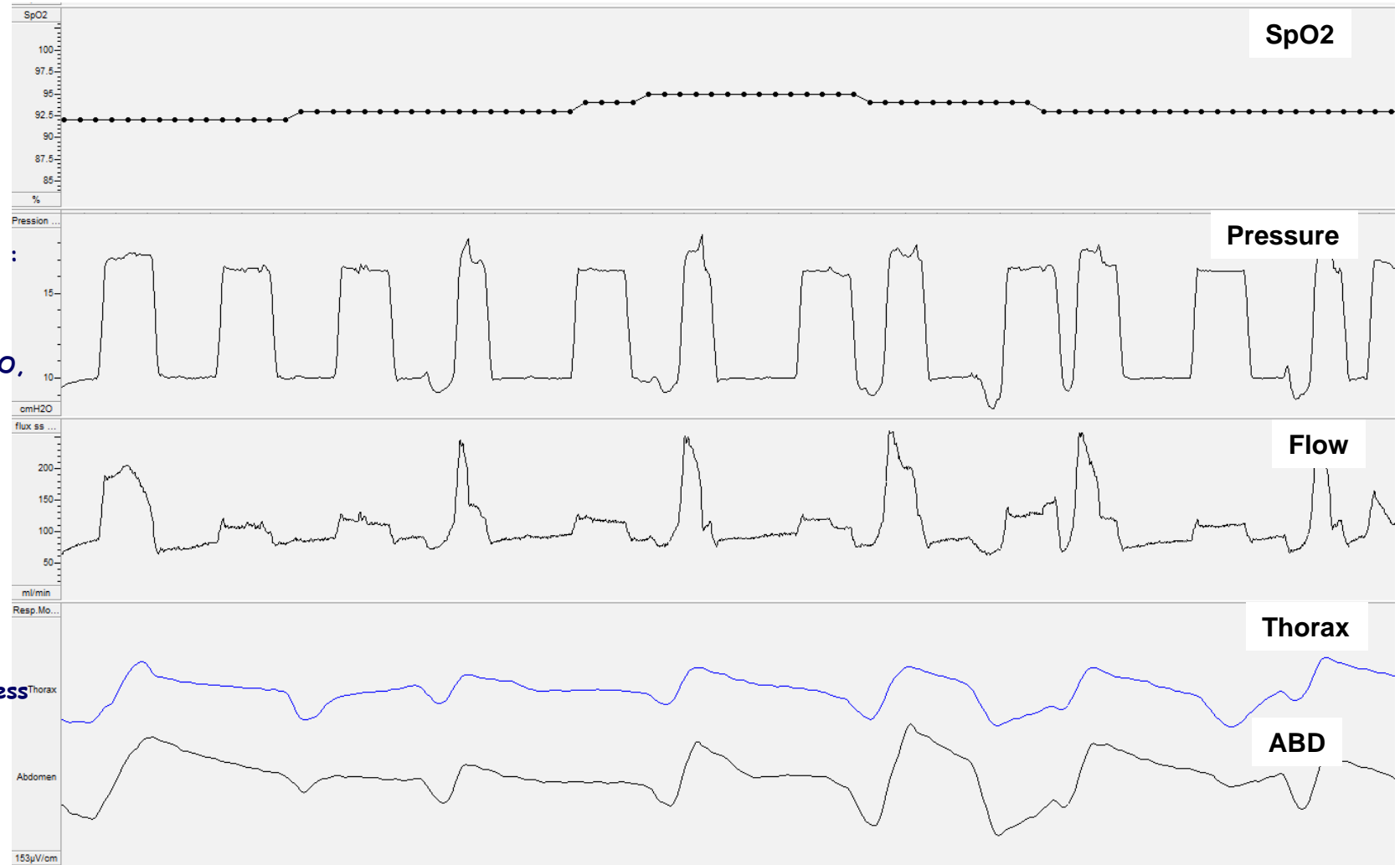
- Matinal fatigue, diurnal sleepiness



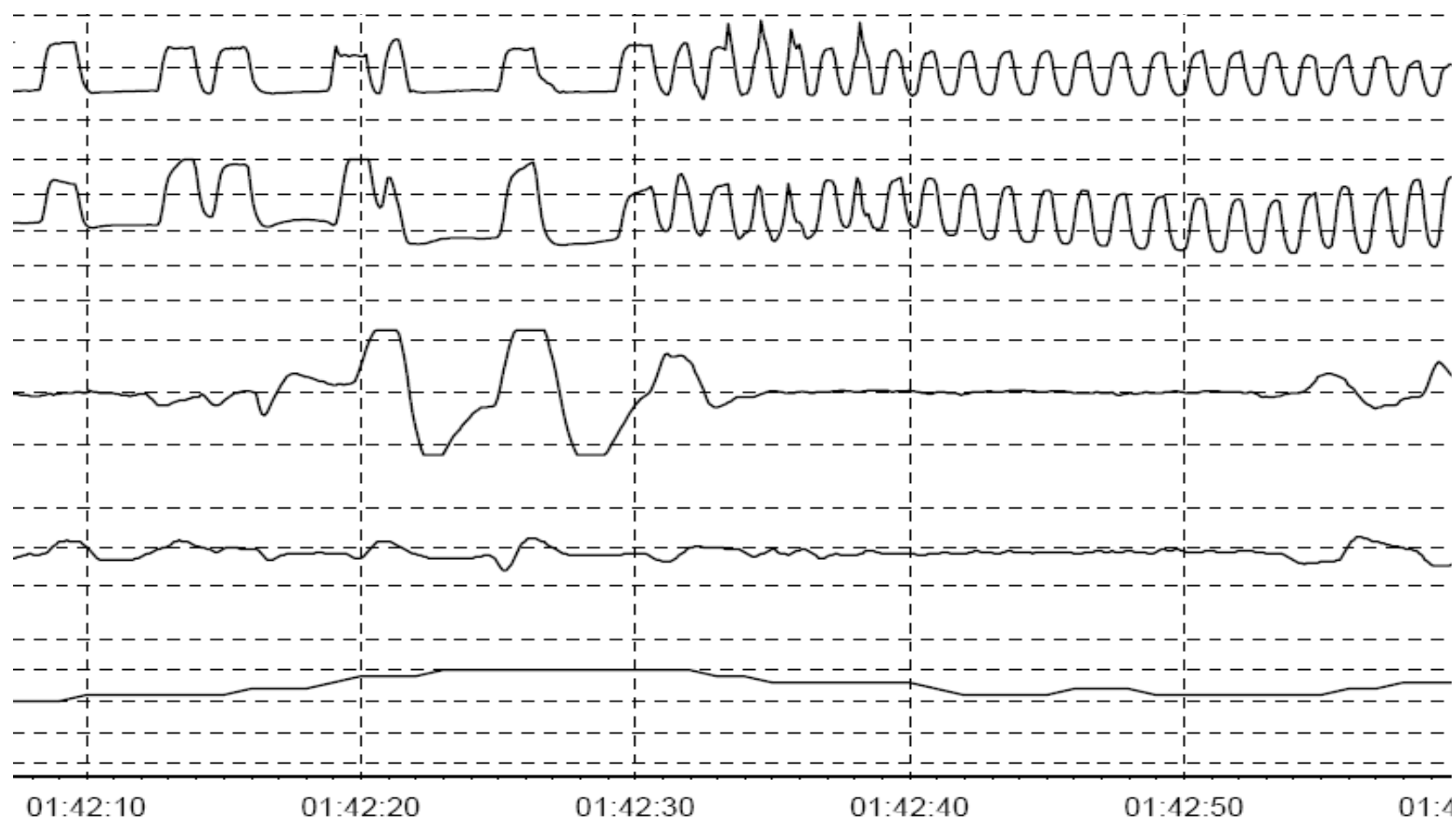
# Uncoupling with obstruction upper airway (chute de la langue) – 1 min

Niveau 3

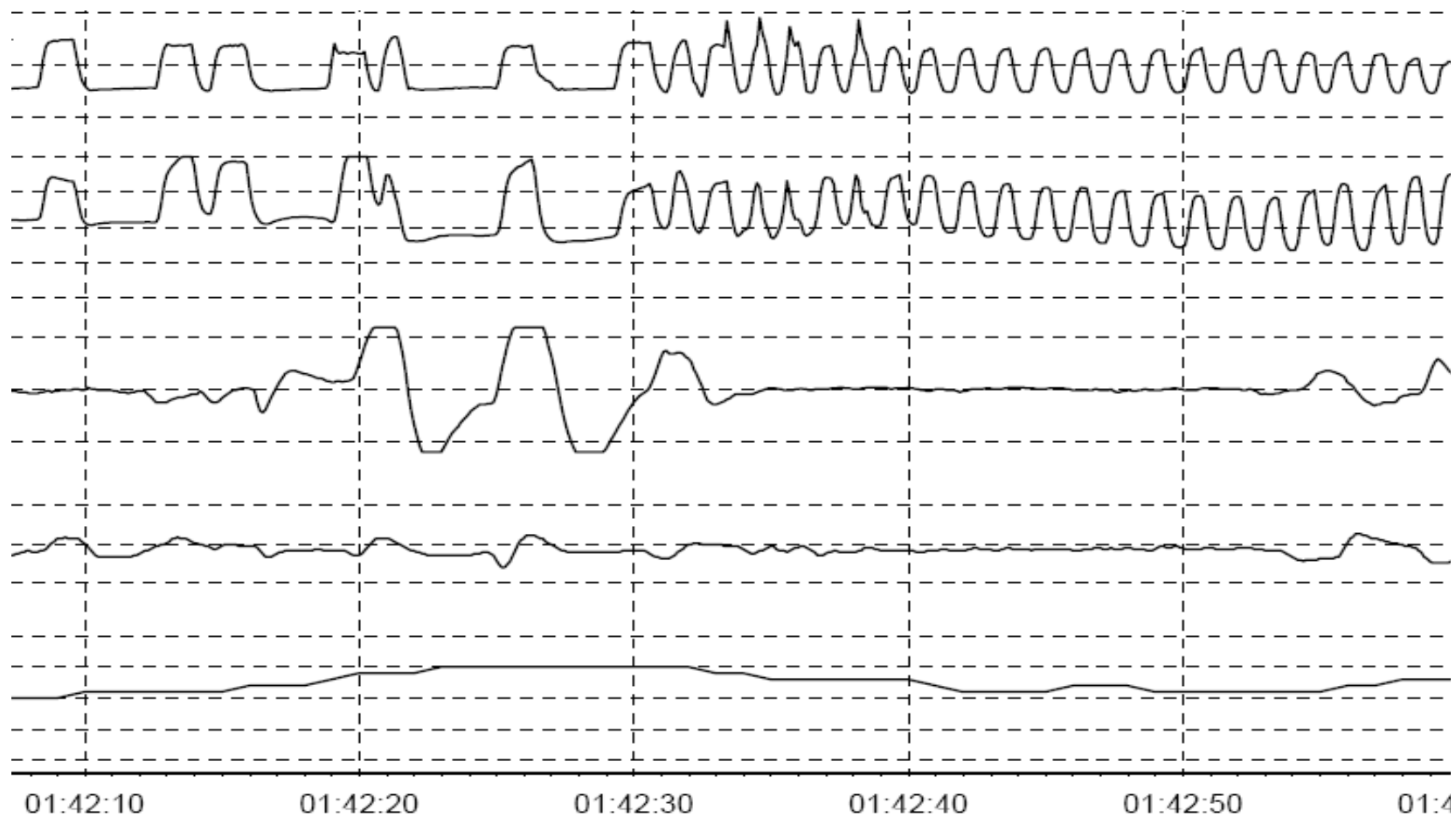
- MRS B., 54 yrs old
- Bulbar ALS
- NIV (FiO2 21%), nasal mask :  
• VPAP ST 9  
IPAP 13 cm H2O, EPAP 7 cm H2O,  
FR 16 c/min,  
Pente 100 msec,  
Ti min 1,2 sec, Ti max 1,5 sec  
S Trig I « très haute »
- Matinal fatigue, diurnal sleepiness



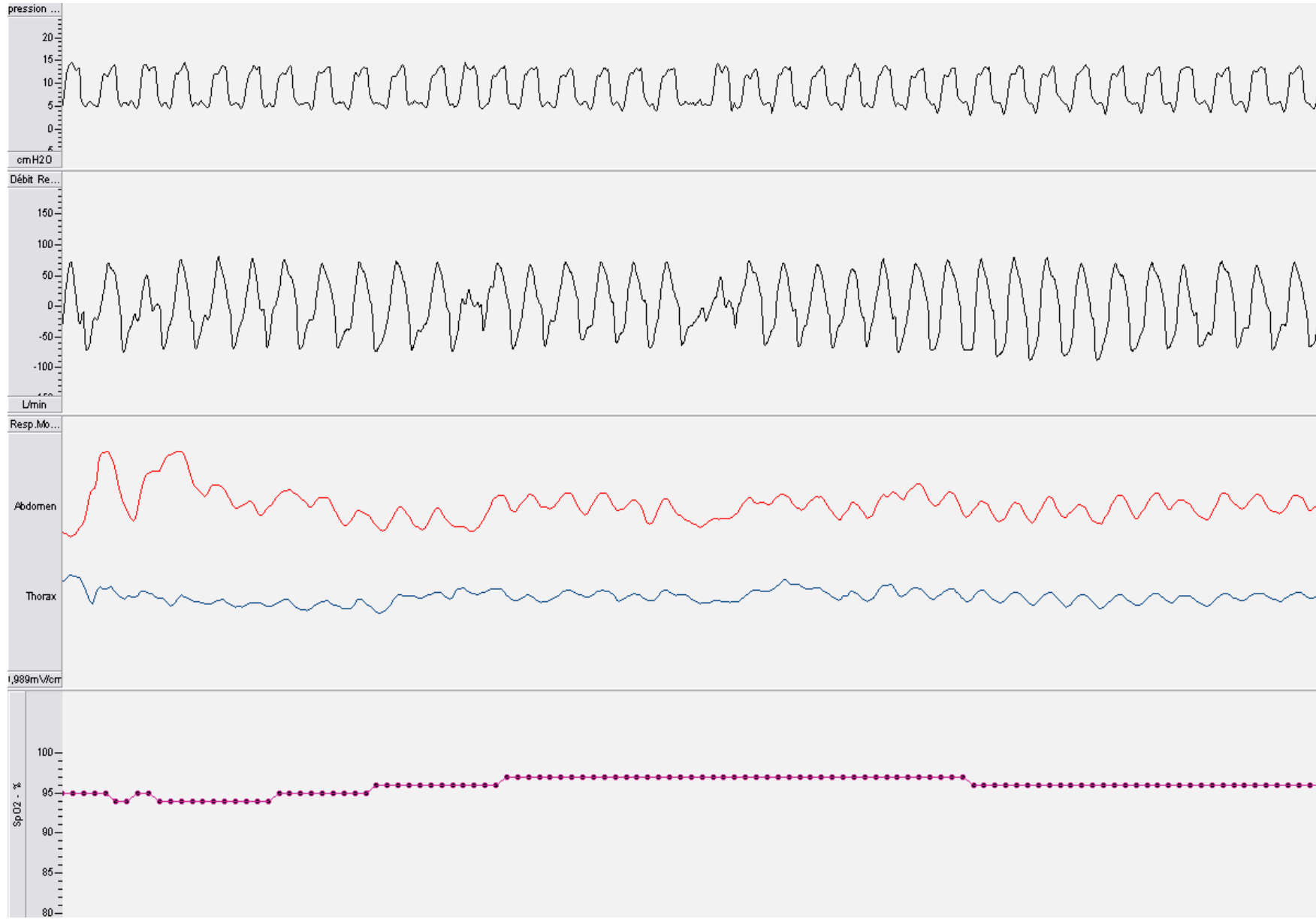
### Niveau 3



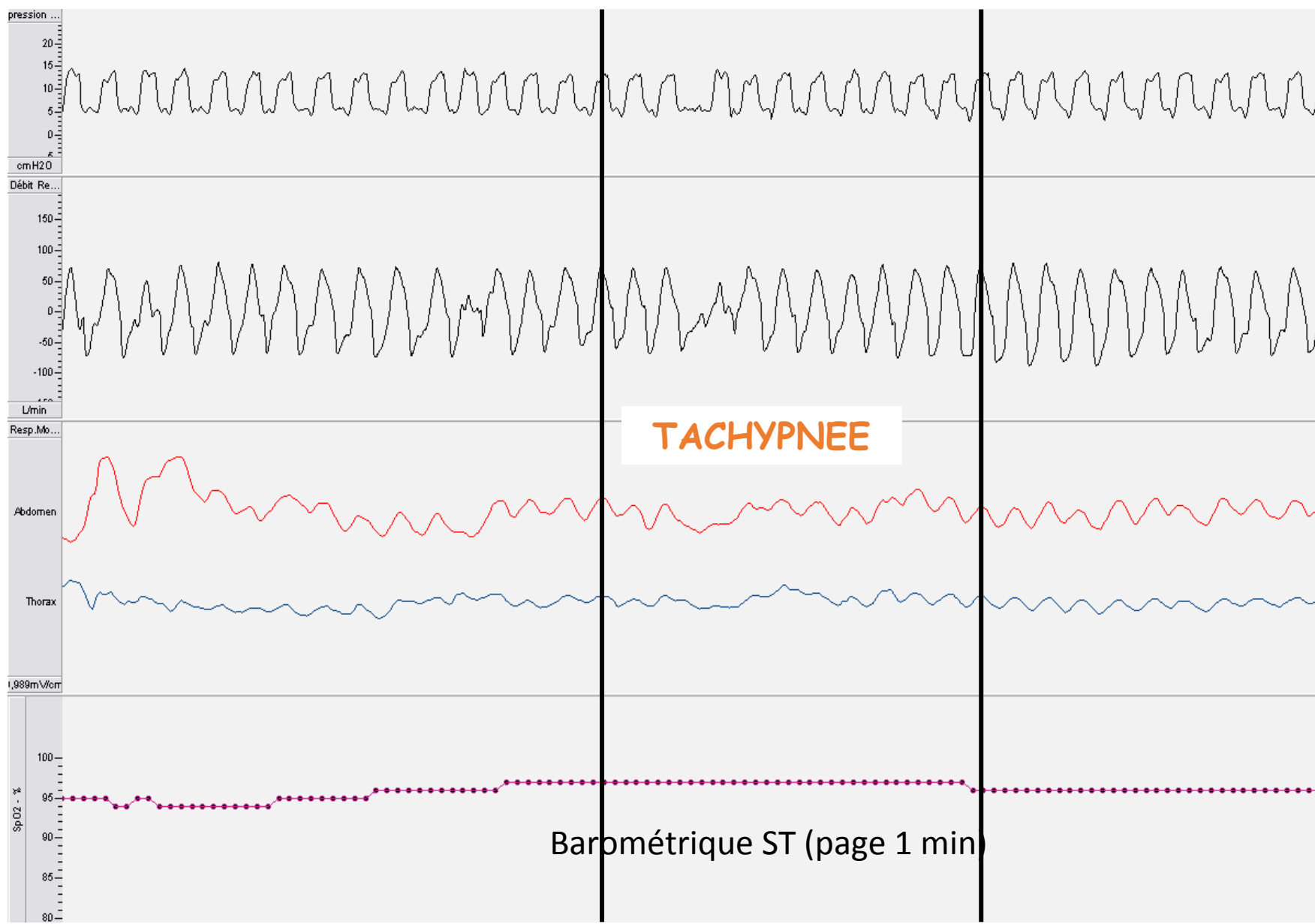
### Niveau 3



**Autodéclenchement**



Niveau 3

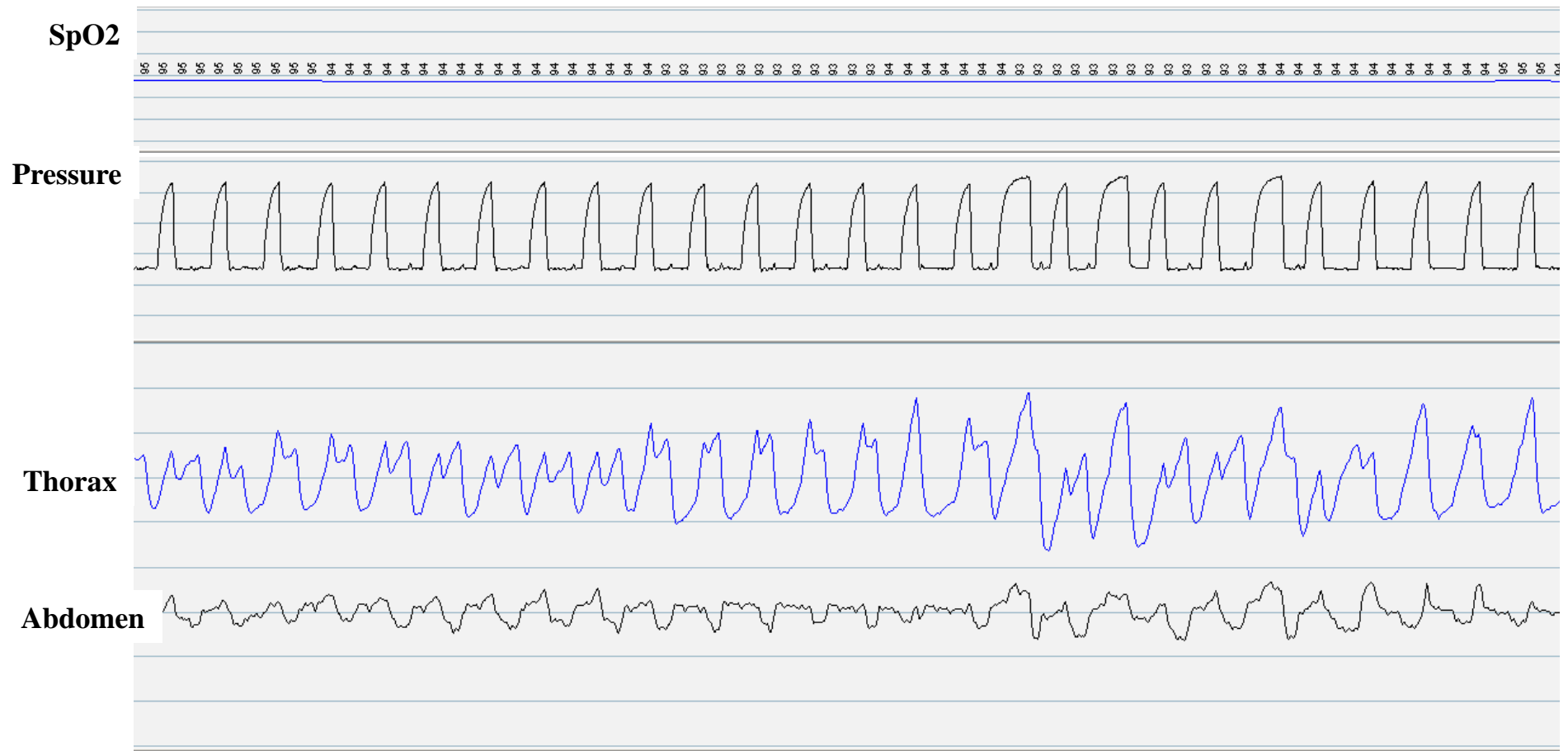


Niveau 3

Barométrique ST (page 1 min)

# Niveau 3

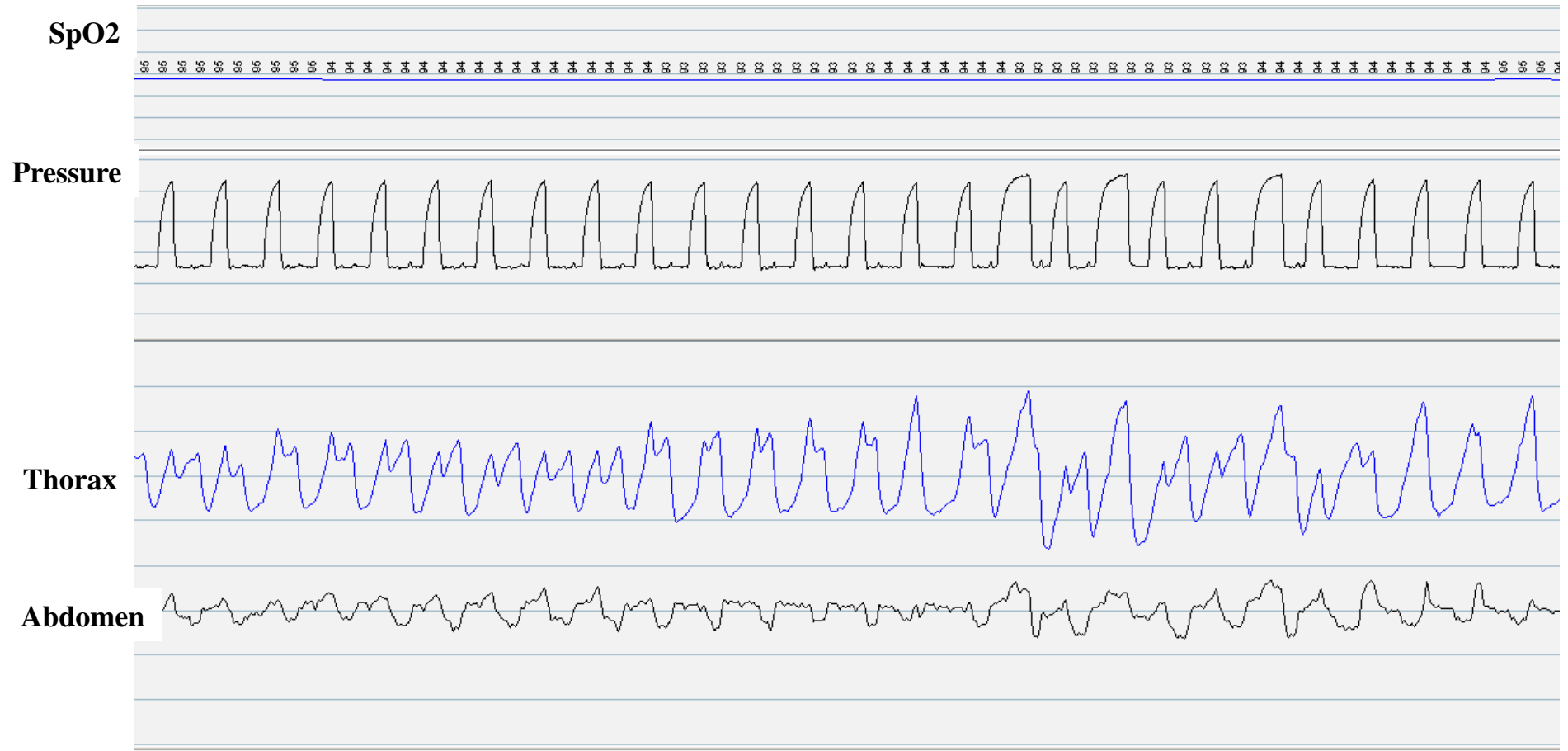
Myopathy



# Cyclage précoce compliqué d'effort inspiratoire non récompensé

Niveau 3

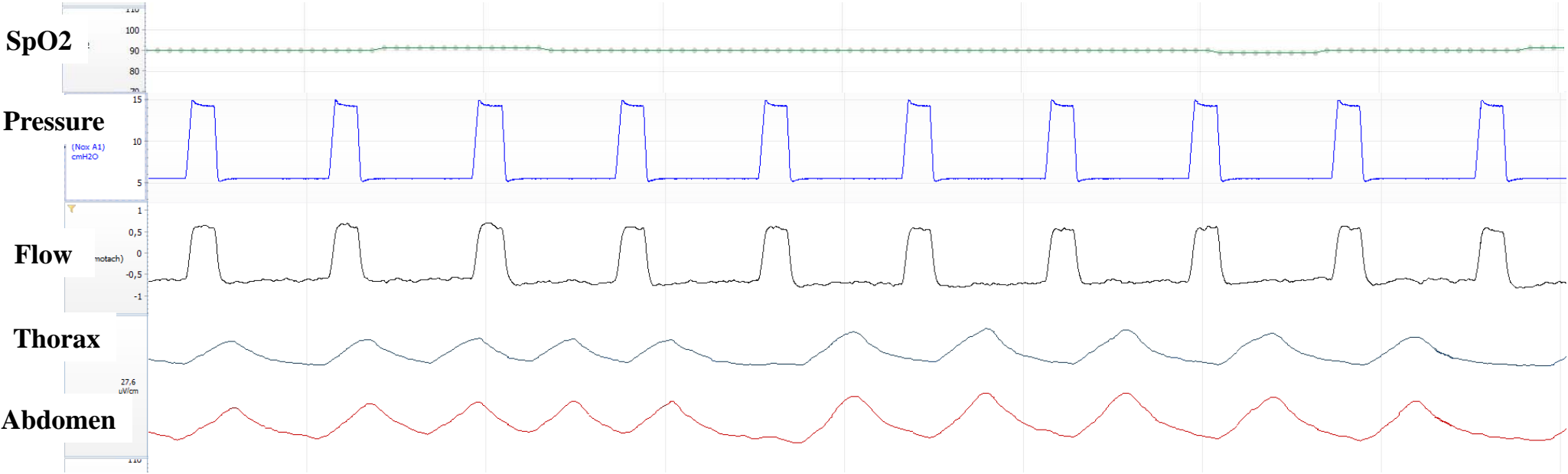
Myopathy





Mrs M, march 16th 2016 – 40 sec  
Overlap syndrome & obesity

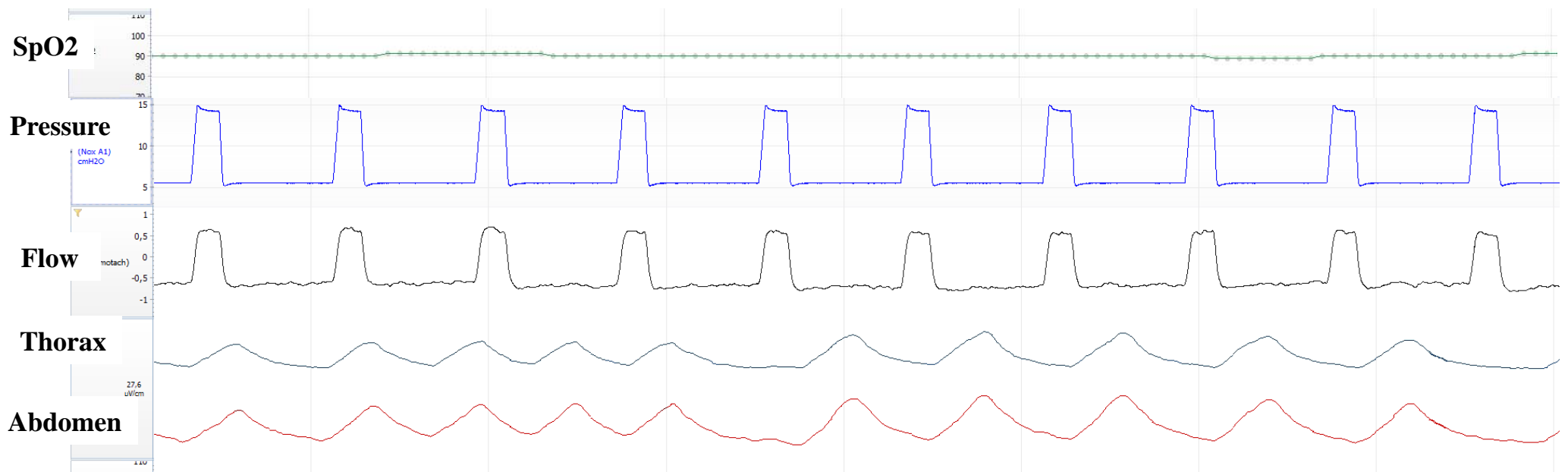
Niveau 3



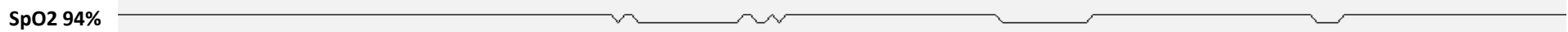
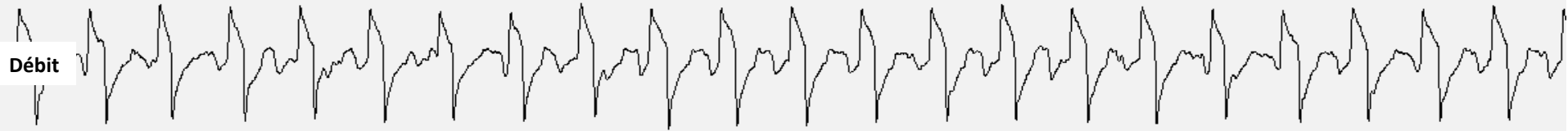
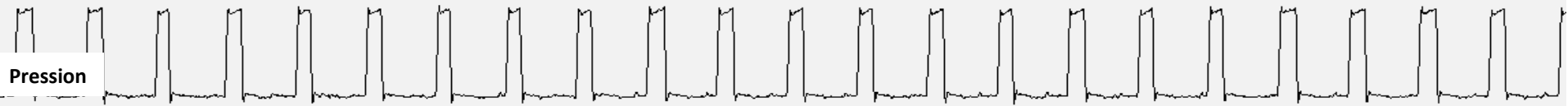
Niveau 3

Mrs M, march 16th 2016 – 40 sec  
Overlap syndrome & obesity

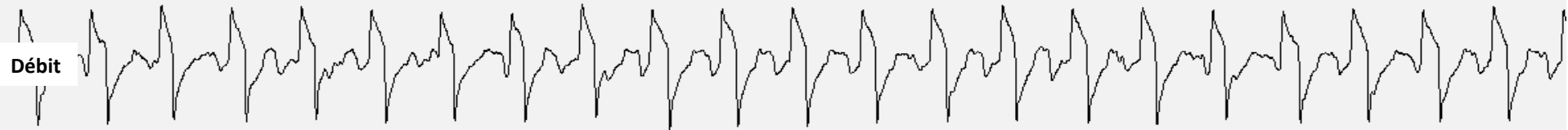
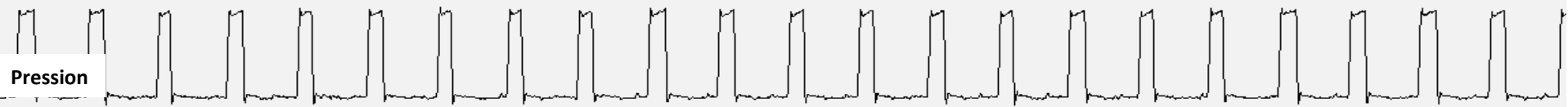
« Complete uncoupling » sur fuites non intentionnelles



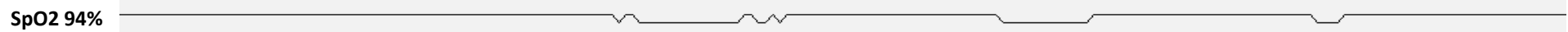
# Niveau 3



# Niveau 3



**Efforts inspiratoires non récompensés**

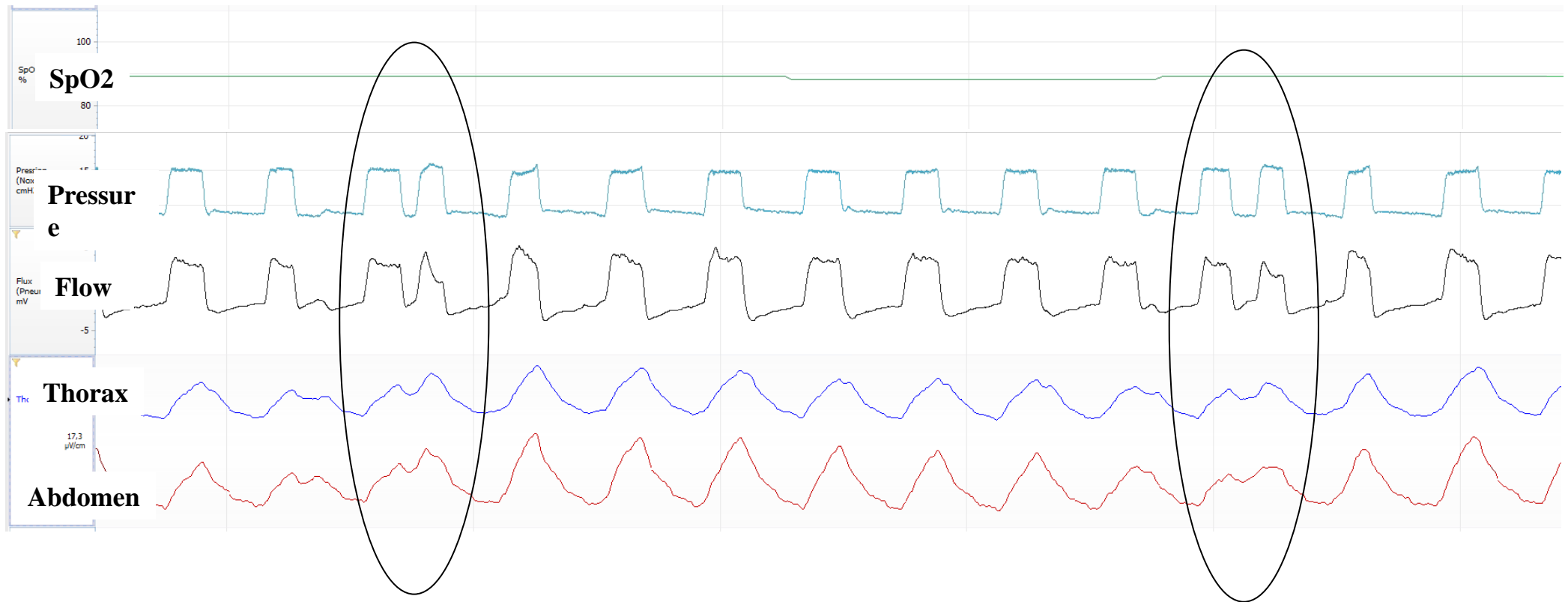


## Niveau 3

Mr B, april 18th 2016 – 1 min

Overlap syndrome & obesity

ST, IPAP 20, PEP 12, RR 12, Timax 1.5, Timin 1.1, Rise time 150, S.trig middle, S. cycl middle



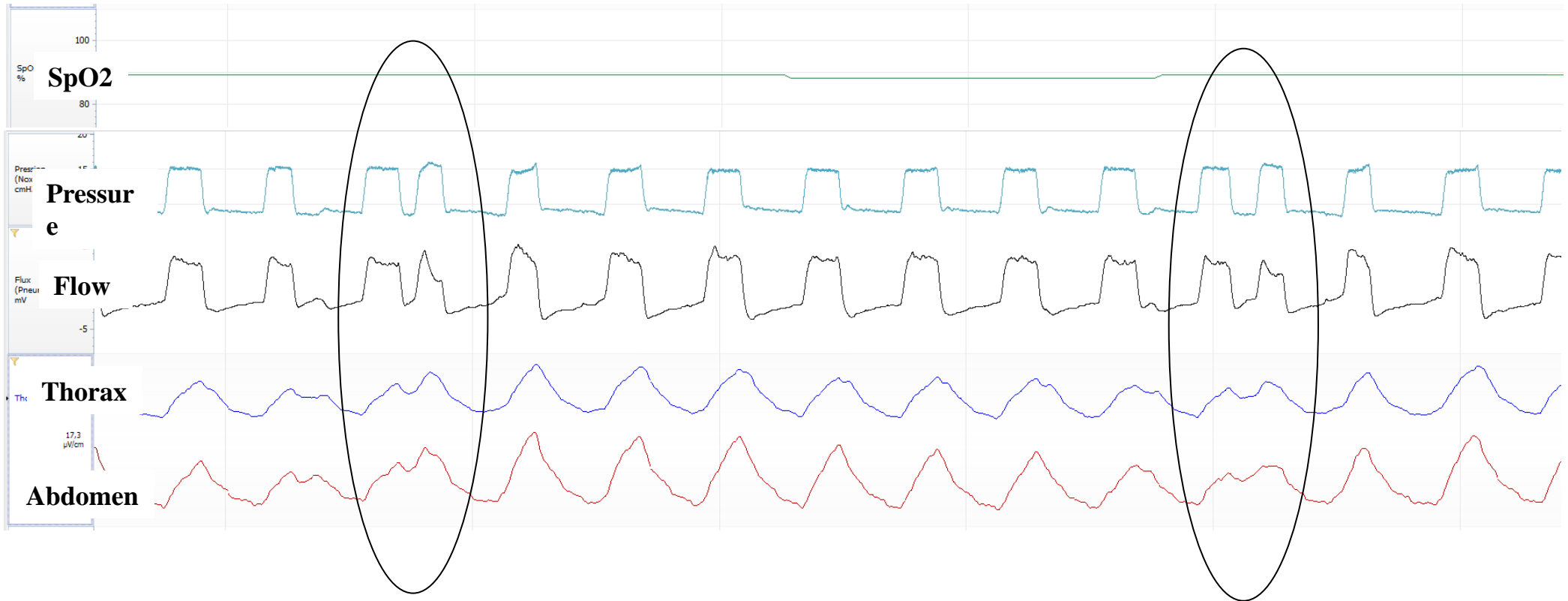
Briki Labidi, april 18th 2016 – 1 min

Niveau 3

Overlap syndrome & obesity

ST, IPAP 20, PEP 12, RR 12, Timax 1.5, Timin 1.1, Rise time 150, S.trig middle, S. cycl middle

**Reverse triggering**

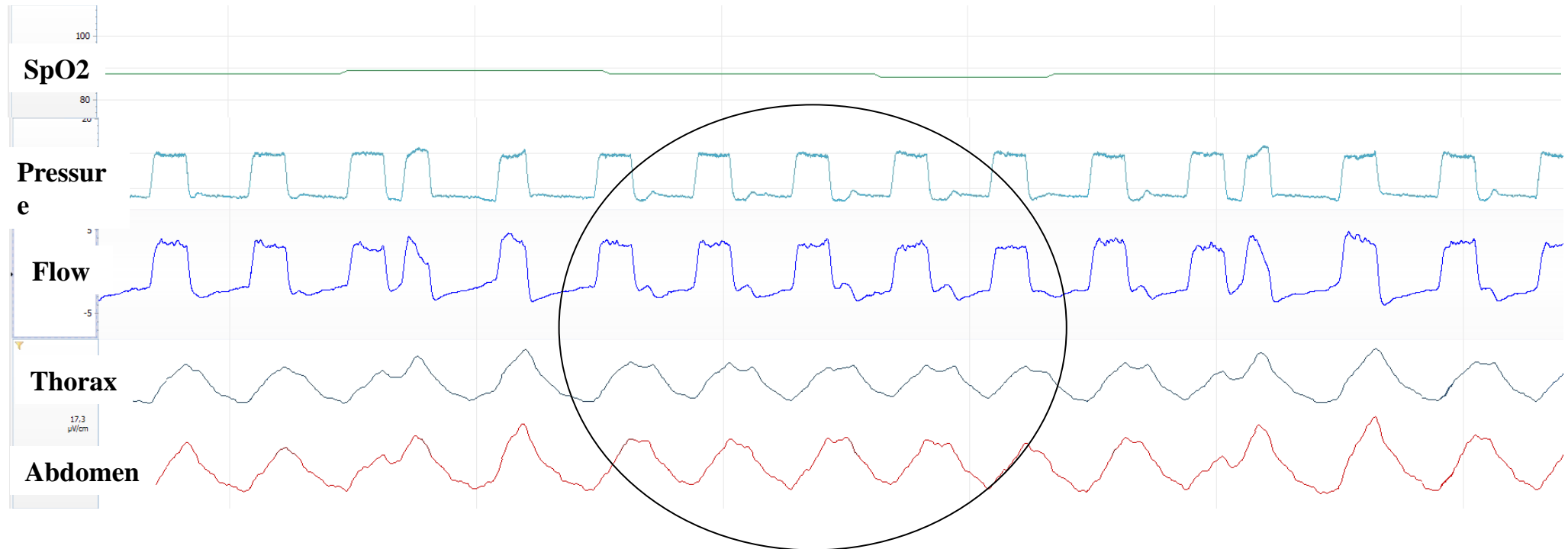


## Niveau 3

Mr B, april 18th 2016 – 1 min

Overlap syndrome & obesity

ST, IPAP 20, PEP 12, RR 12, Timax 1.5, Timin 1.1, Rise time 150, S.trig middle, S. cycl middle



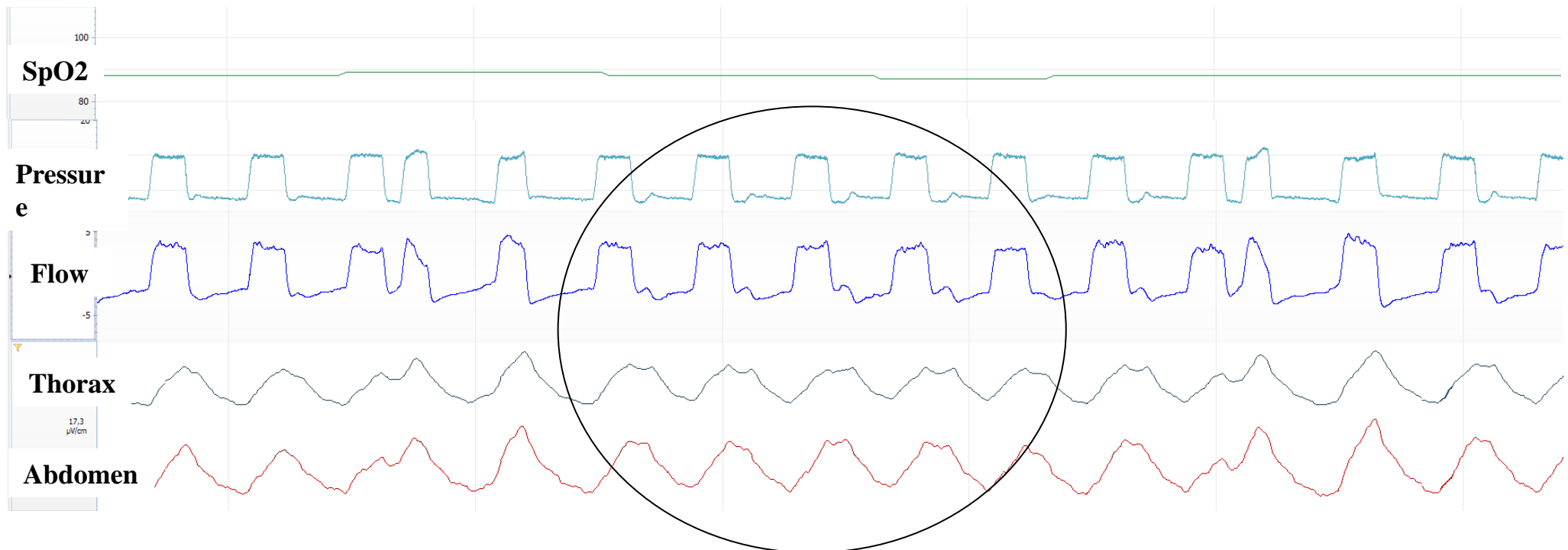
## Niveau 3

Briki Labidi, april 18th 2016 – 1 min

Overlap syndrome & obesity

ST, IPAP 20, PEP 12, RR 12, Timax 1.5, Timin 1.1, Rise time 150, S.trig middle, S. cycl middle

**Cyclage précoce**





Mrs V, 2012 – 1 min  
COPD, diaphragmatic paralysis

Niveau 3



Niveau 3

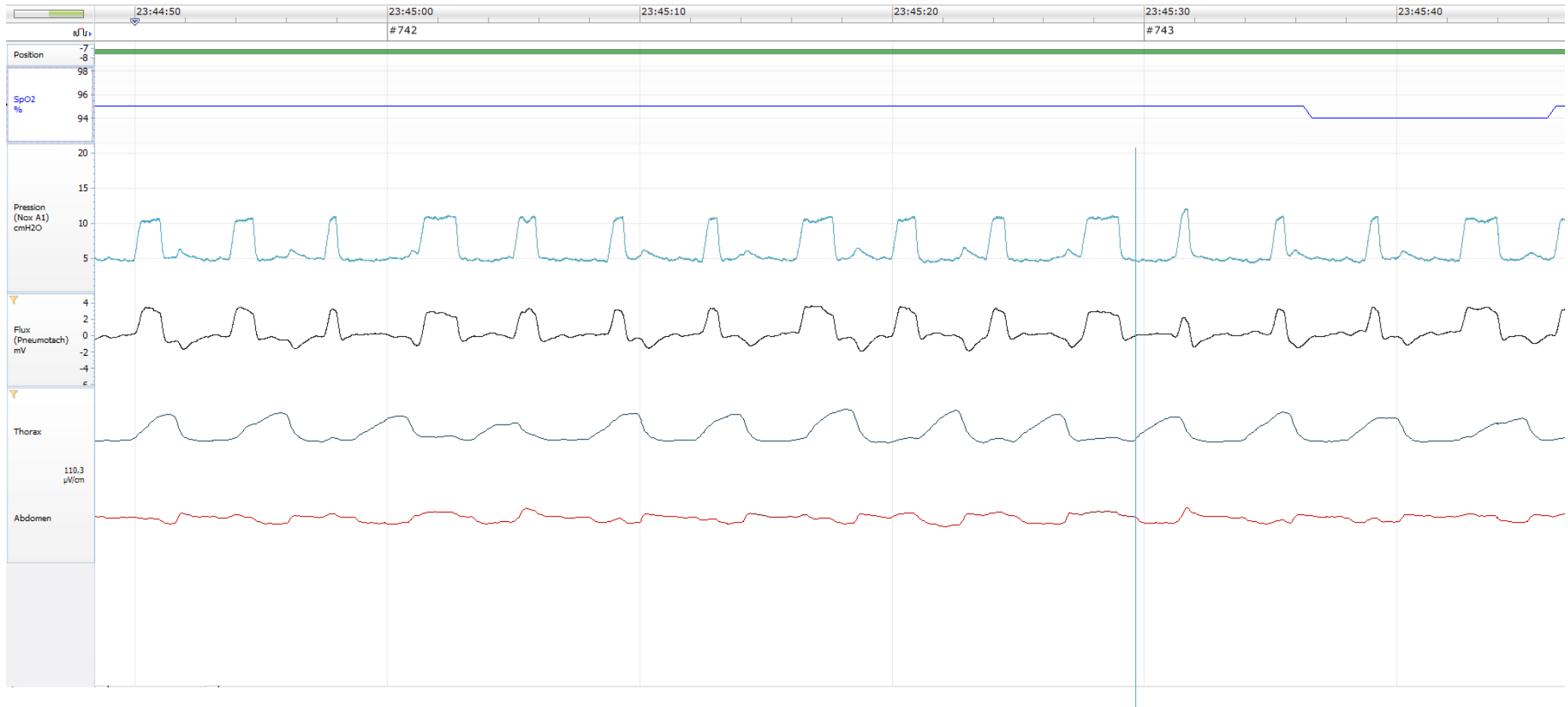
Mrs V, 2012 – 1 min  
COPD, diaphragmatic paralysis

## Efforts inspiratoires non récompensés



# Niveau 3

Mr L, April 26th 2016 – 1 min  
Paraneoplastic neuromuscular disease (renal carcinoma)

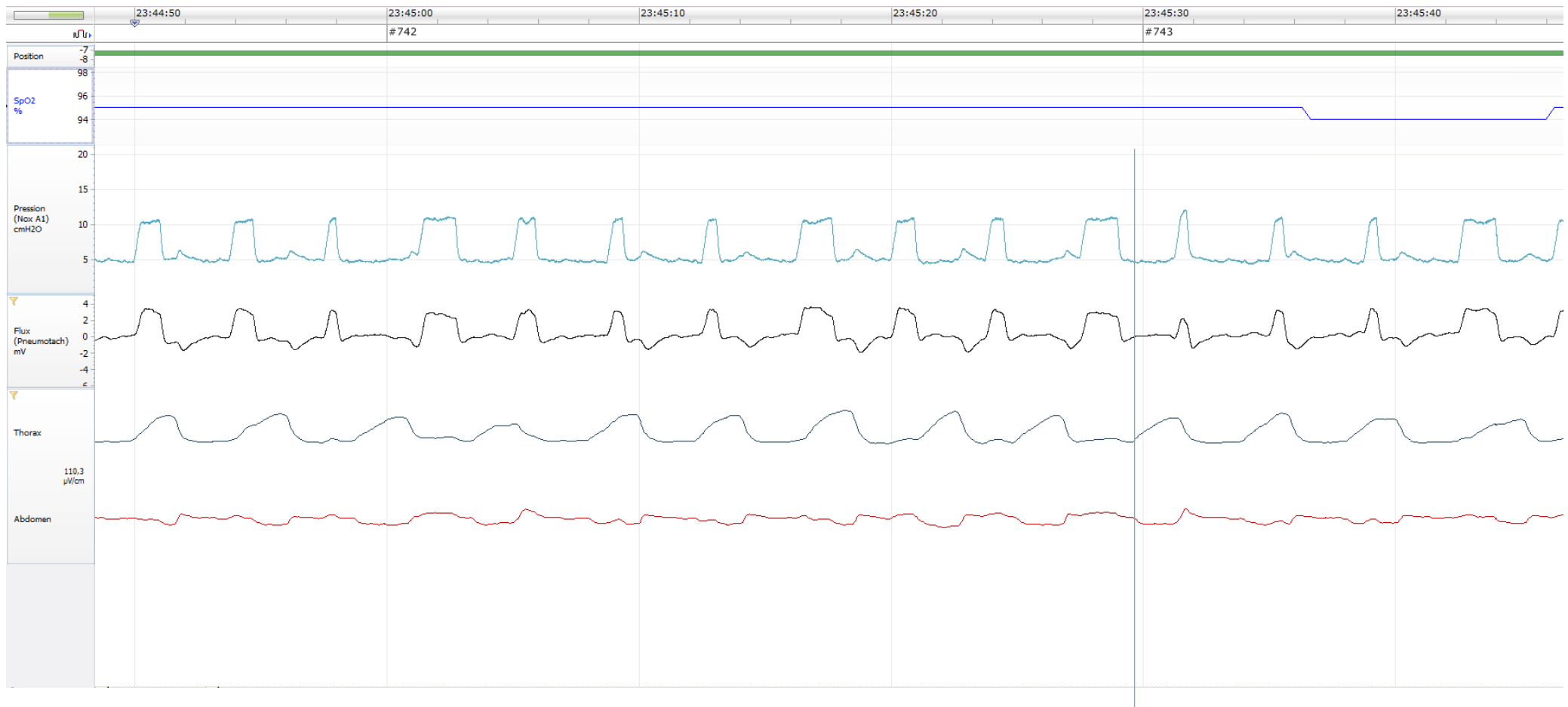


Mr L, April 26th 2016 – 1 min

Paraneoplastic neuromuscular disease (renal carcinoma)

Niveau 3

**Asynchronisme patient machine complet avec respiration thoraco-abdominale paradoxale (lutte avec muscles du cou)**

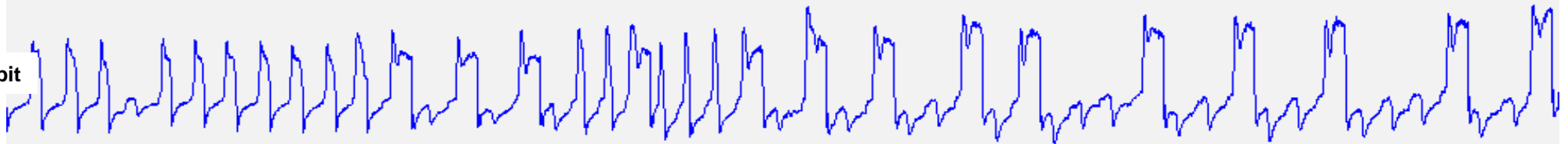


# Niveau 3

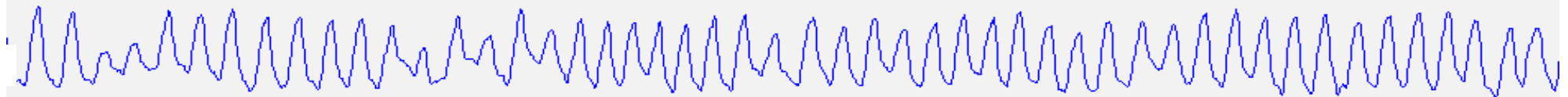
Pression



Débit



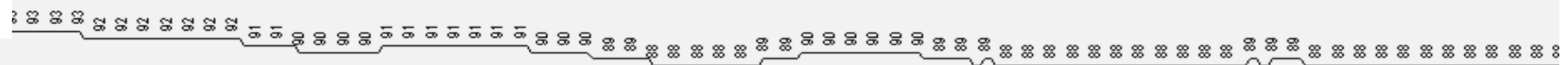
Th



ABD



SpO2

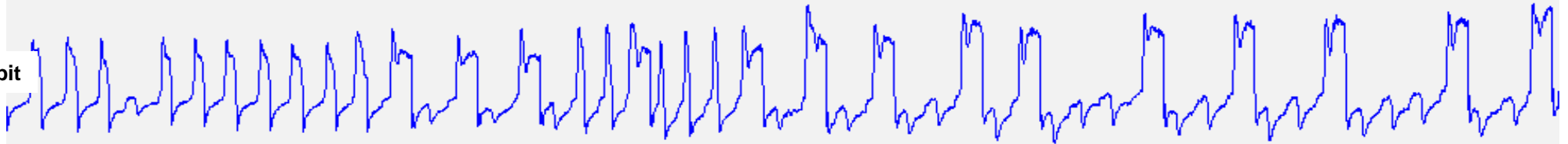


# Niveau 3

Pression

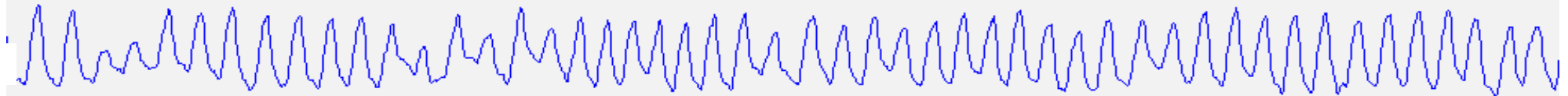


Débit



**BAROMETRIQUE, fuites non intentionnelles compliquées  
d'efforts inspiratoires non récompensés**

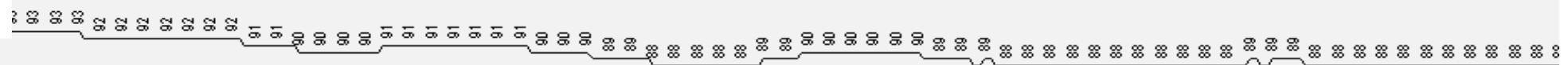
Th



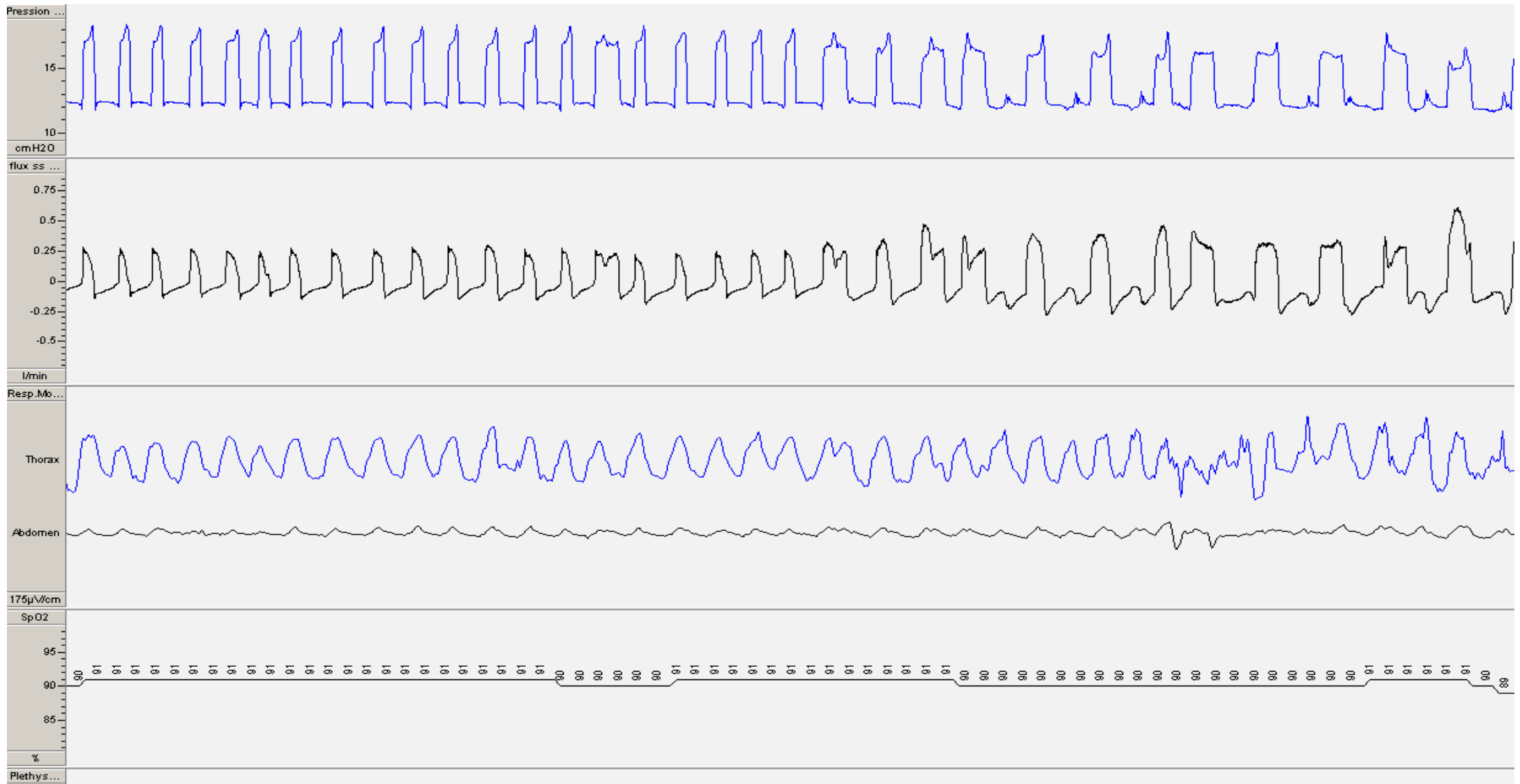
ABD



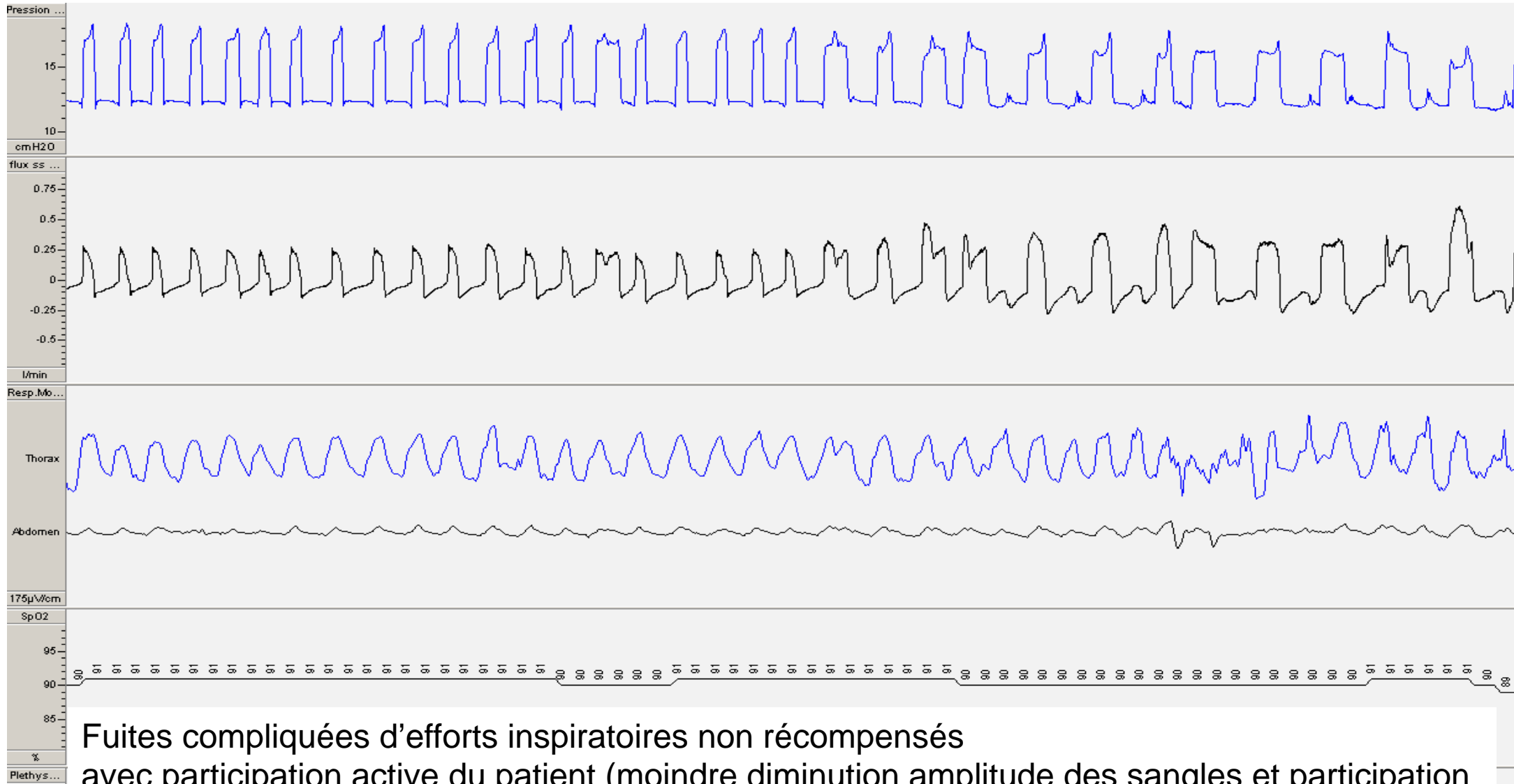
SpO2



# Niveau 3



## Niveau 3



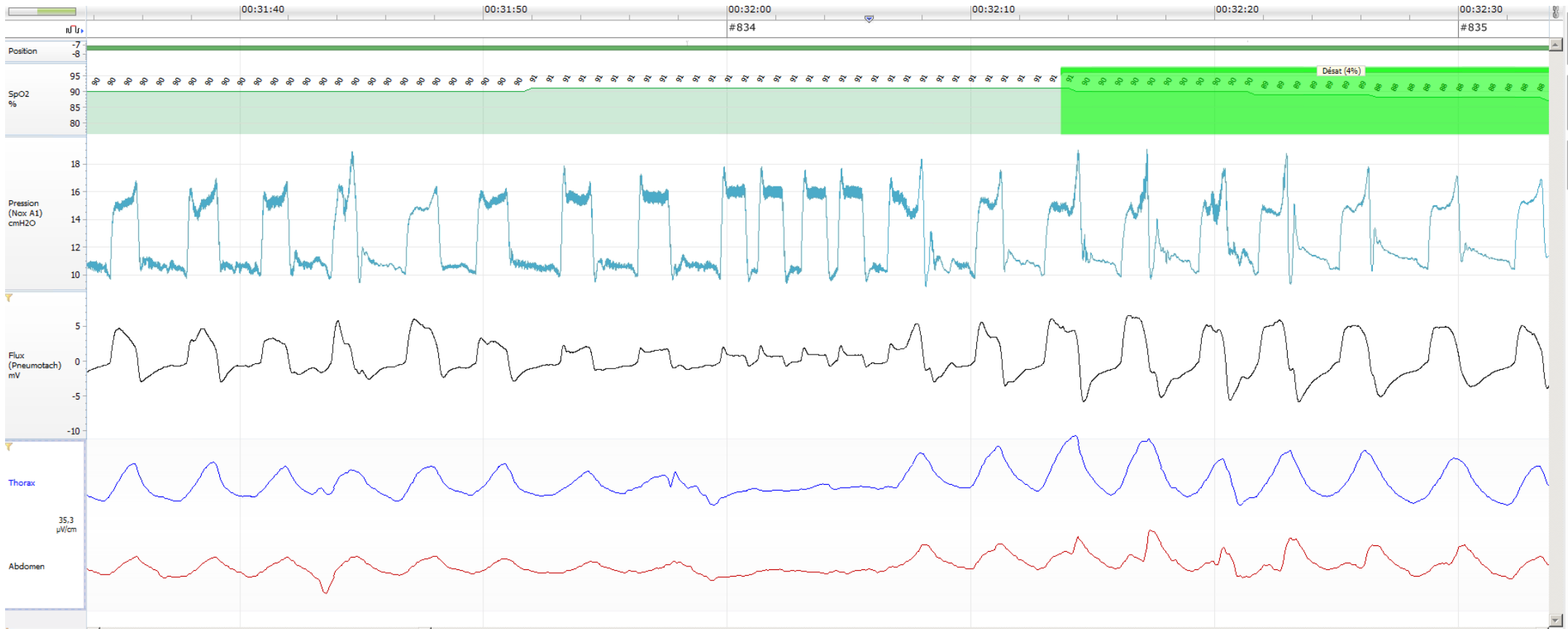
Fuites compliquées d'efforts inspiratoires non récompensés  
avec participation active du patient (moindre diminution amplitude des sangles et participation  
À l'augmentation de l'amplitude du débit)



**Mr C.**  
**Overlap syndrome**

Mode ST, IPAP 18 cm H<sub>2</sub>O, PEP 12 cm H<sub>2</sub>O, FR 14 c/min,  
Ti min 1 sec, Ti max 1,5 sec, Pente Insp min, S. Trig I Hte, S. cycl moy

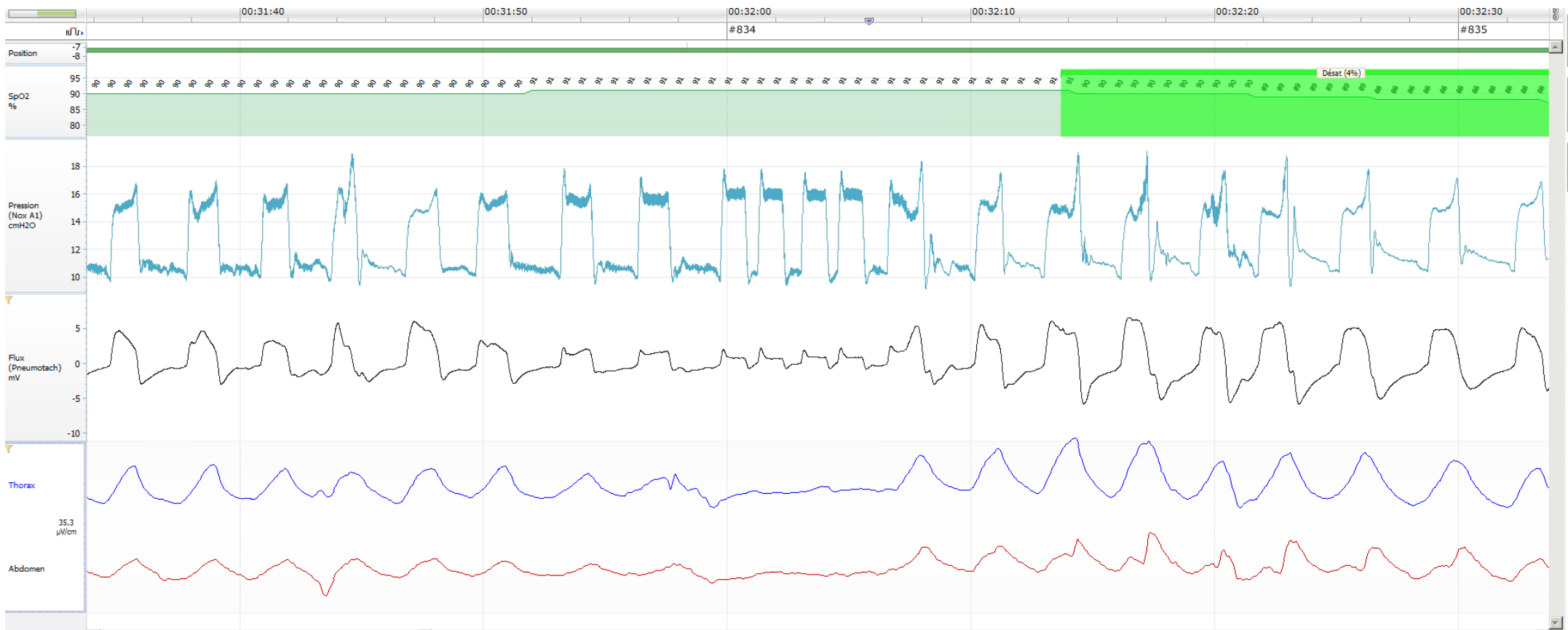
Niveau 3



**Mr C.**  
**Overlap syndrome**

Mode ST, IPAP 18 cm H<sub>2</sub>O, PEP 12 cm H<sub>2</sub>O, FR 14 c/min,  
Ti min 1 sec, Ti max 1,5 sec, Pente Insp min, S. Trig I Hte, S. cycl moy

Niveau 3

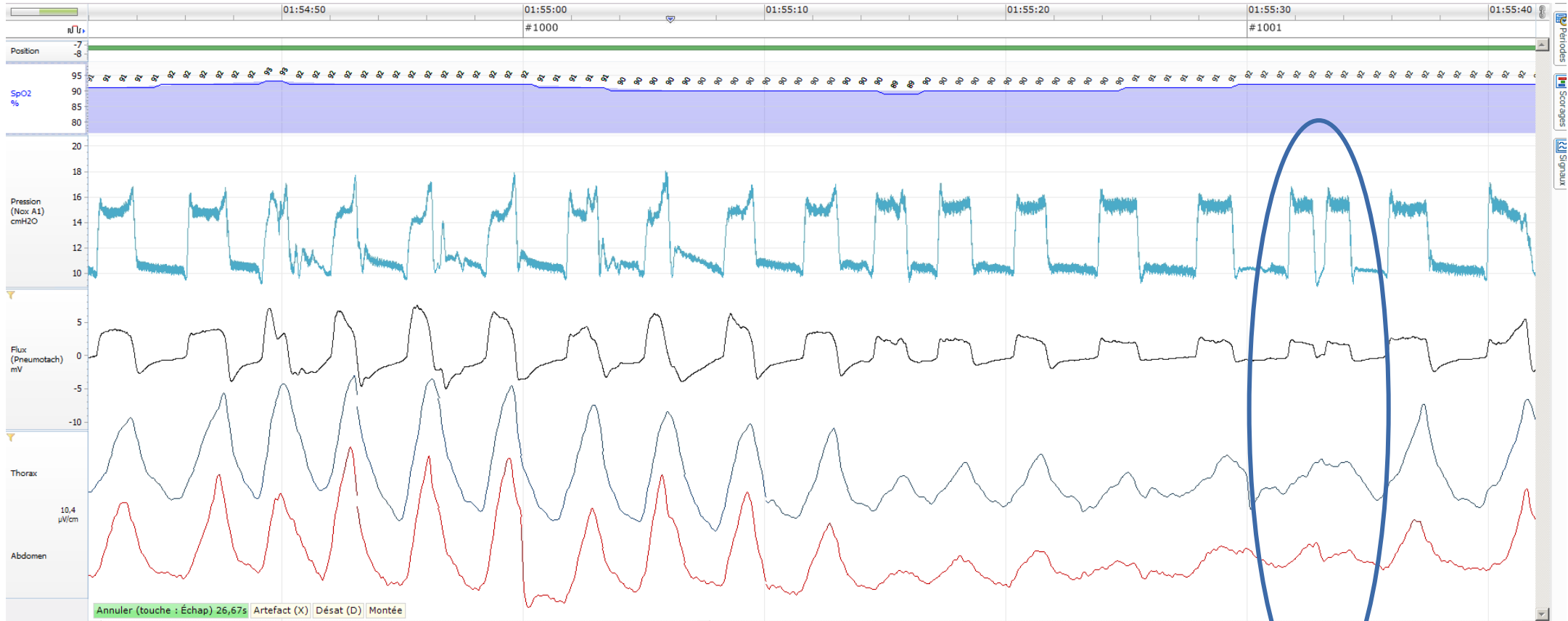


Obstruction des VAS avec diminution de la commande  
Complicée d'autodéclenchement

# Mr C. Overlap syndrome

Mode ST, IPAP 18 cm H<sub>2</sub>O, PEP 12 cm H<sub>2</sub>O, FR 14 c/min,  
Ti min 1 sec, Ti max 1,5 sec, Pente Insp min, S. Trig I Hte, S. cycl moy

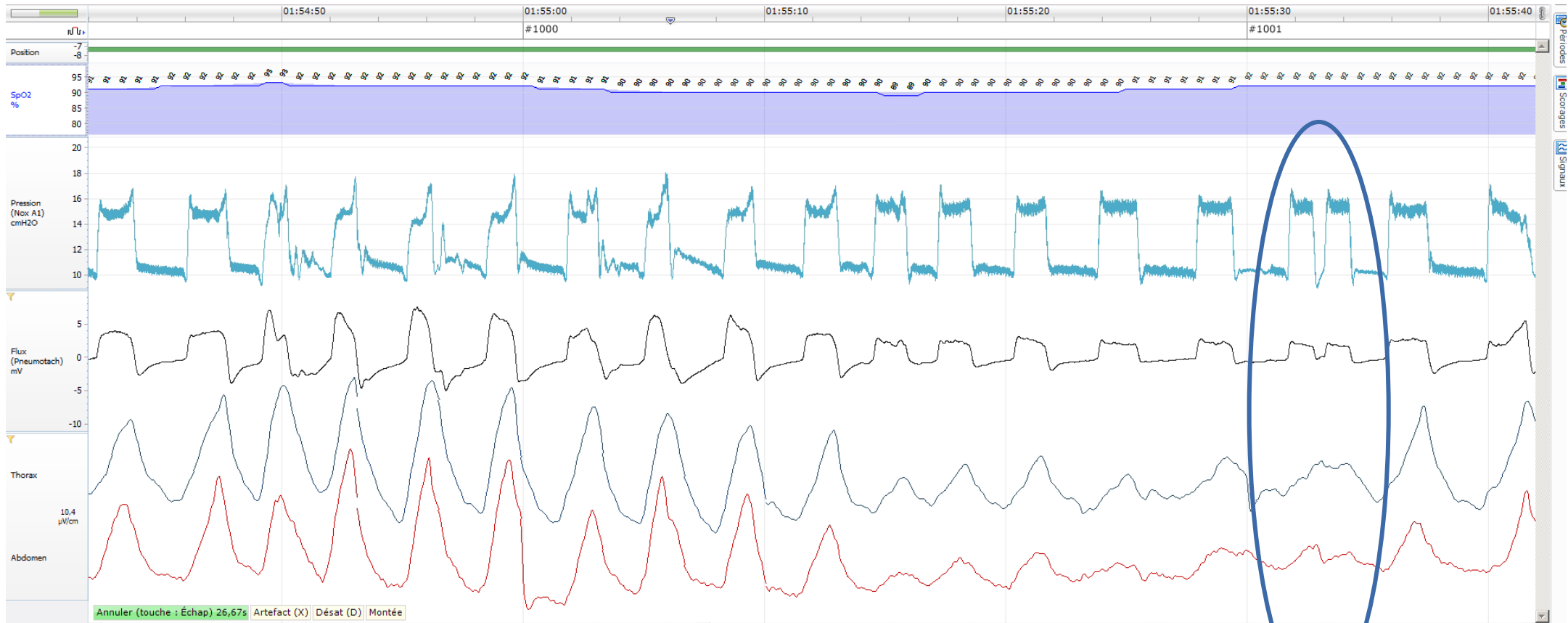
Niveau 3



# Mr C. Overlap syndrome

Mode ST, IPAP 18 cm H<sub>2</sub>O, PEP 12 cm H<sub>2</sub>O, FR 14 c/min,  
Ti min 1 sec, Ti max 1,5 sec, Pente Insp min, S. Trig I Hte, S. cycl moy

Niveau 3



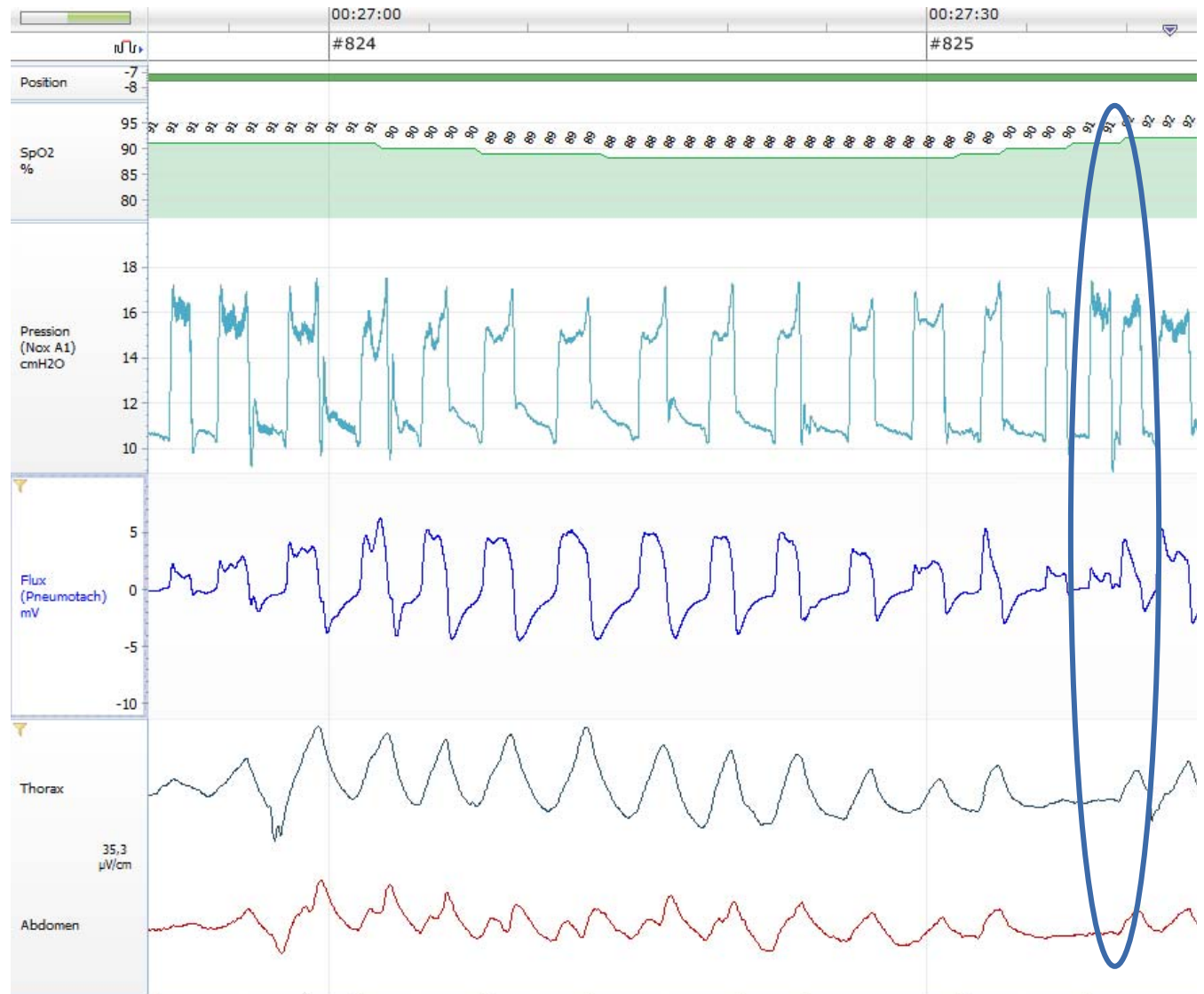
Obstruction des VAS avec diminution de la commande  
et double déclenchement

## Mr C., Overlap syndrome

Mode ST, IPAP 18 cm H<sub>2</sub>O, PEP 12 cm H<sub>2</sub>O, FR 14 c/min,

Ti min 1 sec, Ti max 1,5 sec, Pente Insp min, S. Trig I Hte, S. cycl moy

Niveau 3



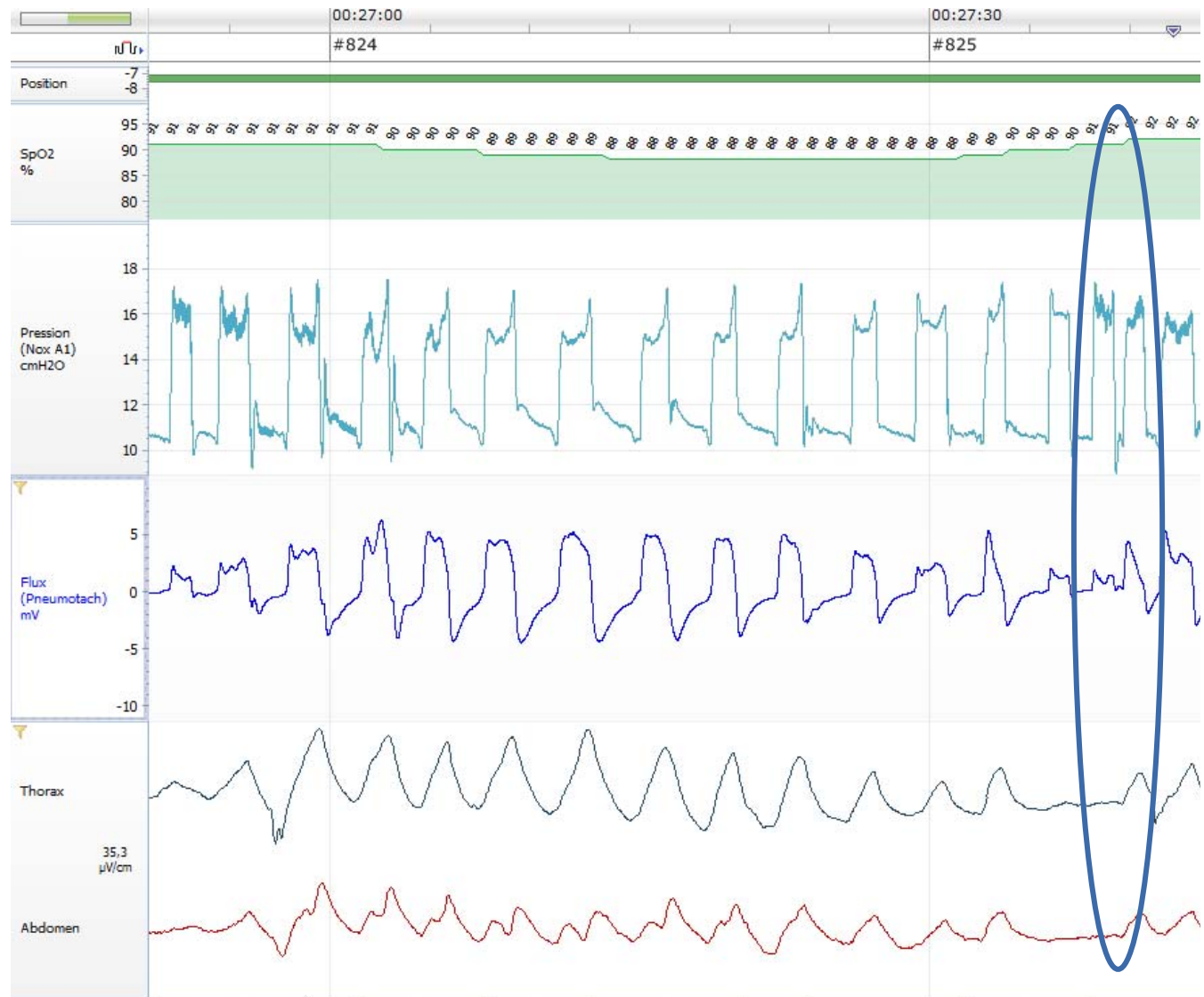
## Mr C., Overlap syndrome

Mode ST, IPAP 18 cm H<sub>2</sub>O, PEP 12 cm H<sub>2</sub>O, FR 14 c/min,

Ti min 1 sec, Ti max 1,5 sec, Pente Insp min, S. Trig I Hte, S. cycl moy

Niveau 3

« Uncoupling » sur  
obstruction des VAS  
avec  
diminution de la commande

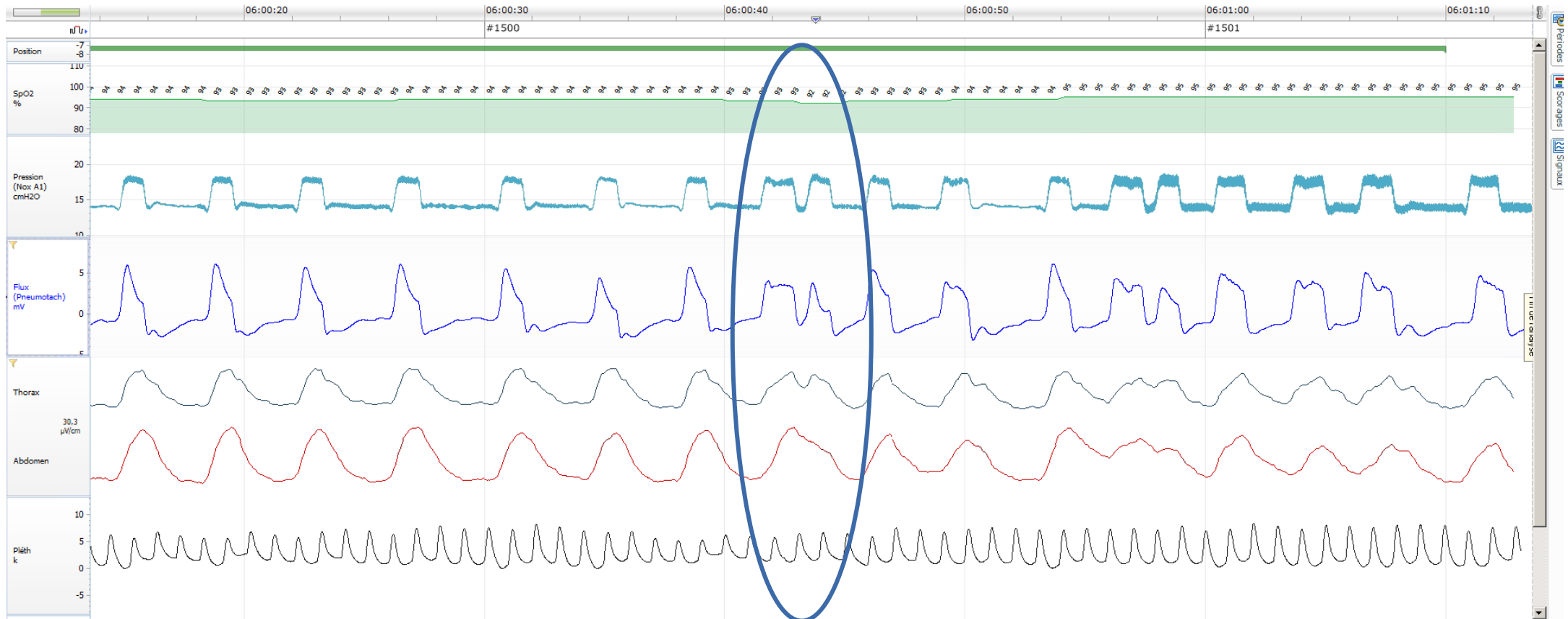


# Mme S. SLA bulbaire

Niveau 3

Mode ST, IPAP 18 cm H<sub>2</sub>O, PEP 14 cm H<sub>2</sub>O, FR 20 c/min,

Ti min 1 sec, Ti max 1,4 sec, Pente Insp 150 msec, S. Trig I Hte, S. cycl hte

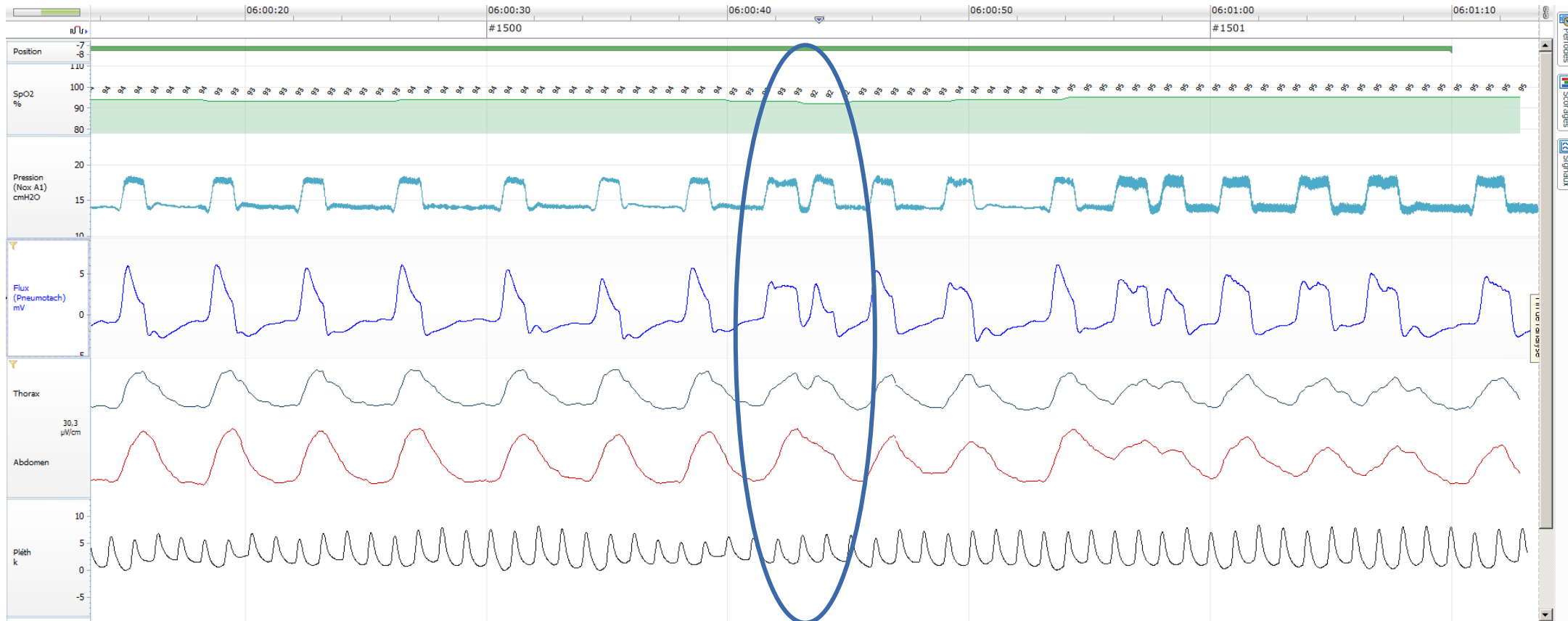


# Mme S. SLA bulbaire

Niveau 3

Mode ST, IPAP 17 cm H<sub>2</sub>O, PEP 14 cm H<sub>2</sub>O, FR 20 c/min,

Ti min 1 sec, Ti max 1,4 sec, Pente Insp 150 msec, S. Trig I Hte, S. cycl hte



« Reverse triggering »

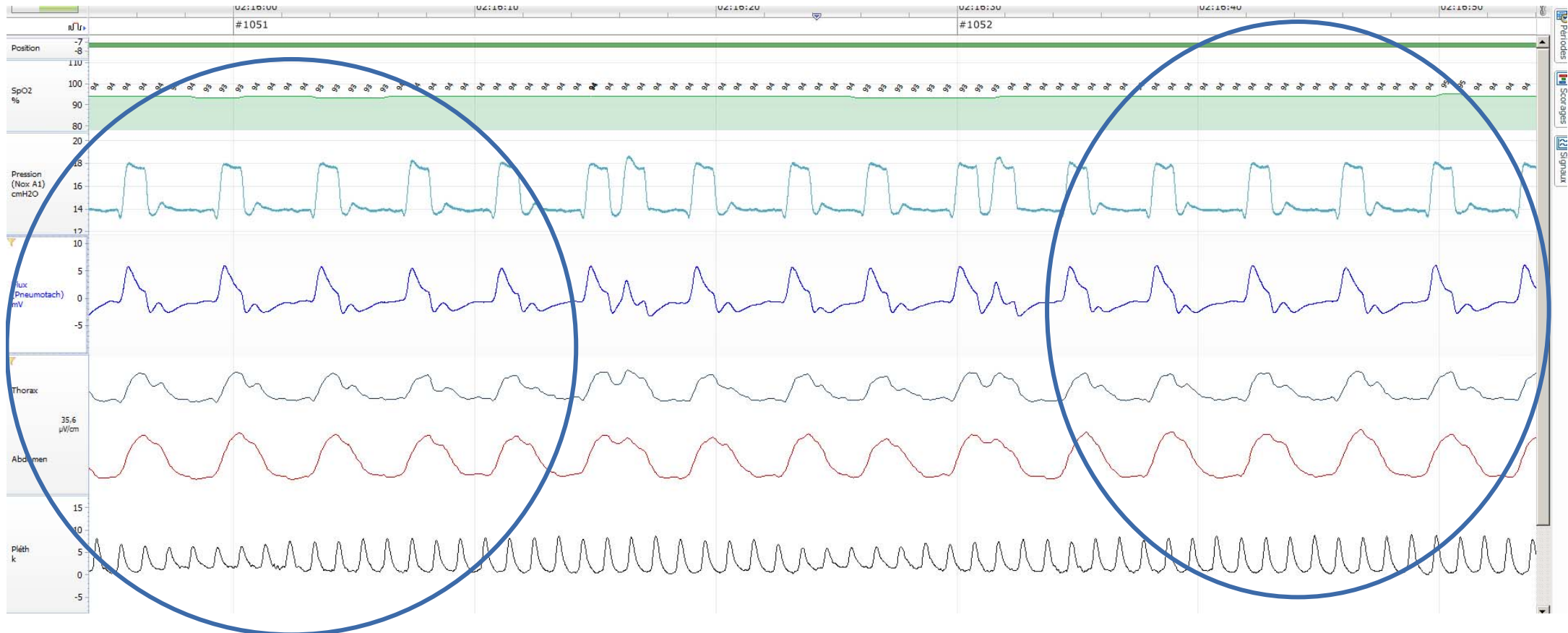


# Mme S. SLA bulbaire

Mode ST, IPAP 17 cm H<sub>2</sub>O, PEP 14 cm H<sub>2</sub>O, FR 20 c/min,

Ti min 1 sec, Ti max 1,4 sec, Pente Insp 150 msec, S. Trig I Hte, S. cycl hte

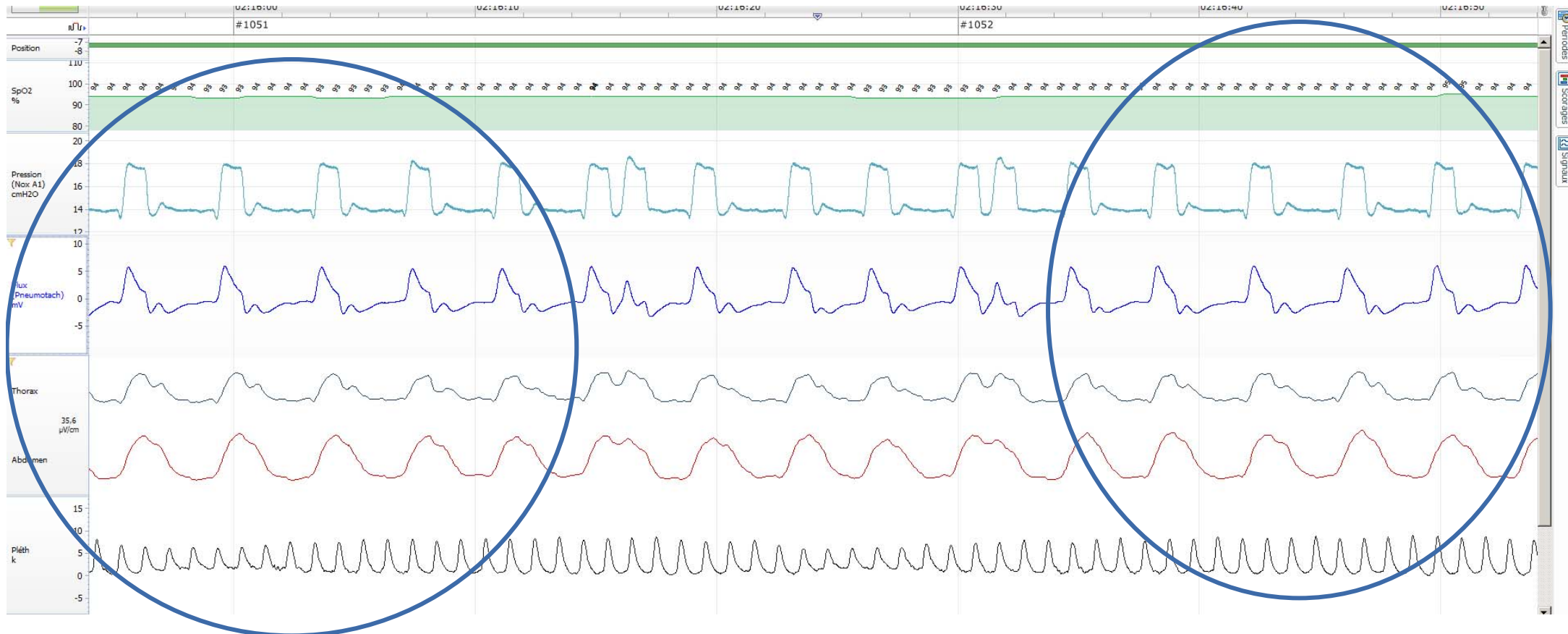
Niveau 3



## Mme S. SLA bulbaire

Mode ST, IPAP 17 cm H<sub>2</sub>O, PEP 14 cm H<sub>2</sub>O, FR 20 c/min,  
Ti min 1 sec, Ti max 1,4 sec, Pente Insp 150 msec, S. Trig I Hte, S. cycl hte

Niveau 3



« Cyclage précoce »