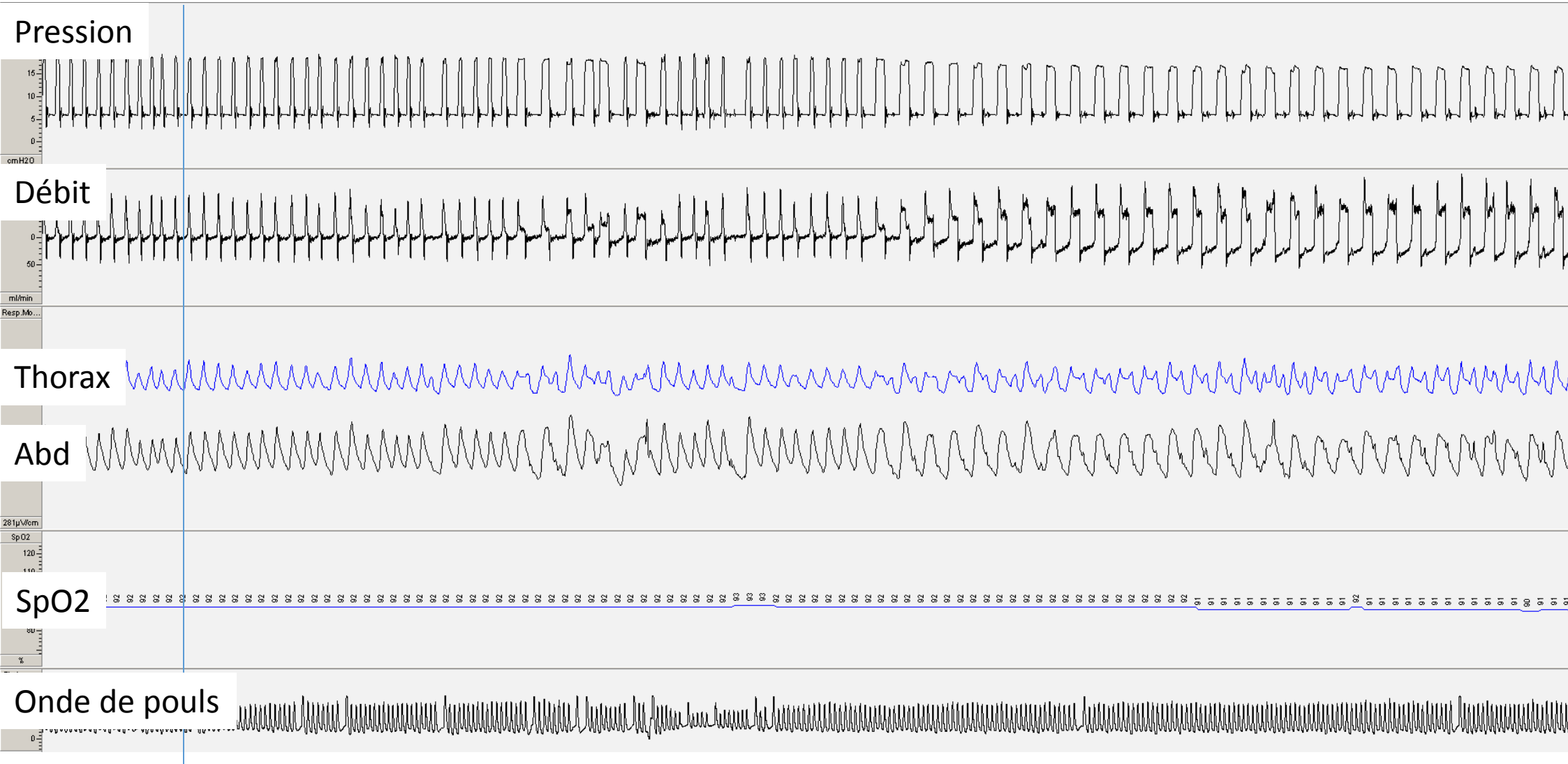
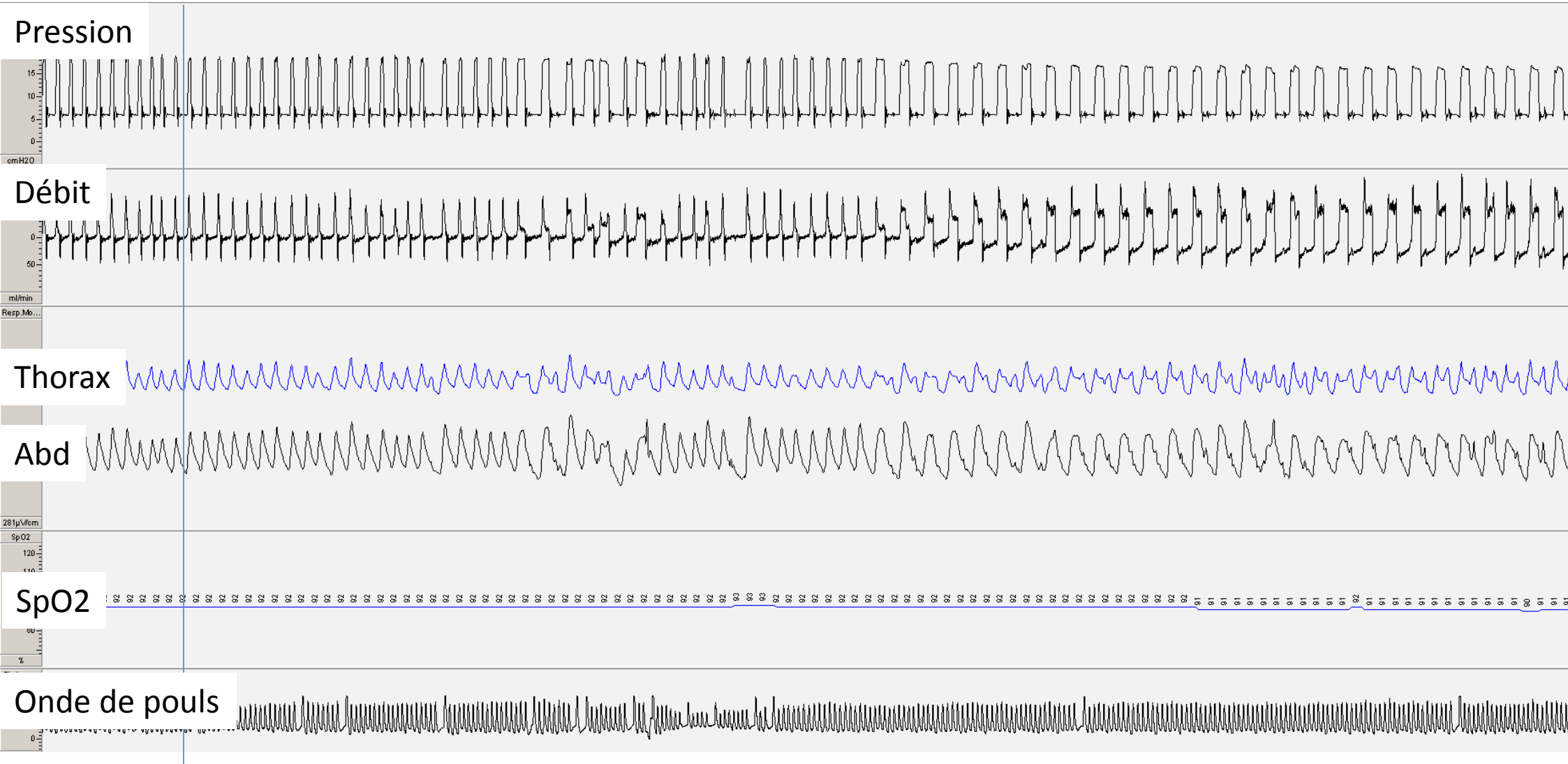


Niveau 3



Niveau 3



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

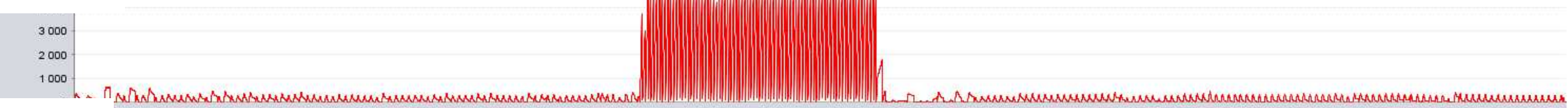
Pression



Débit



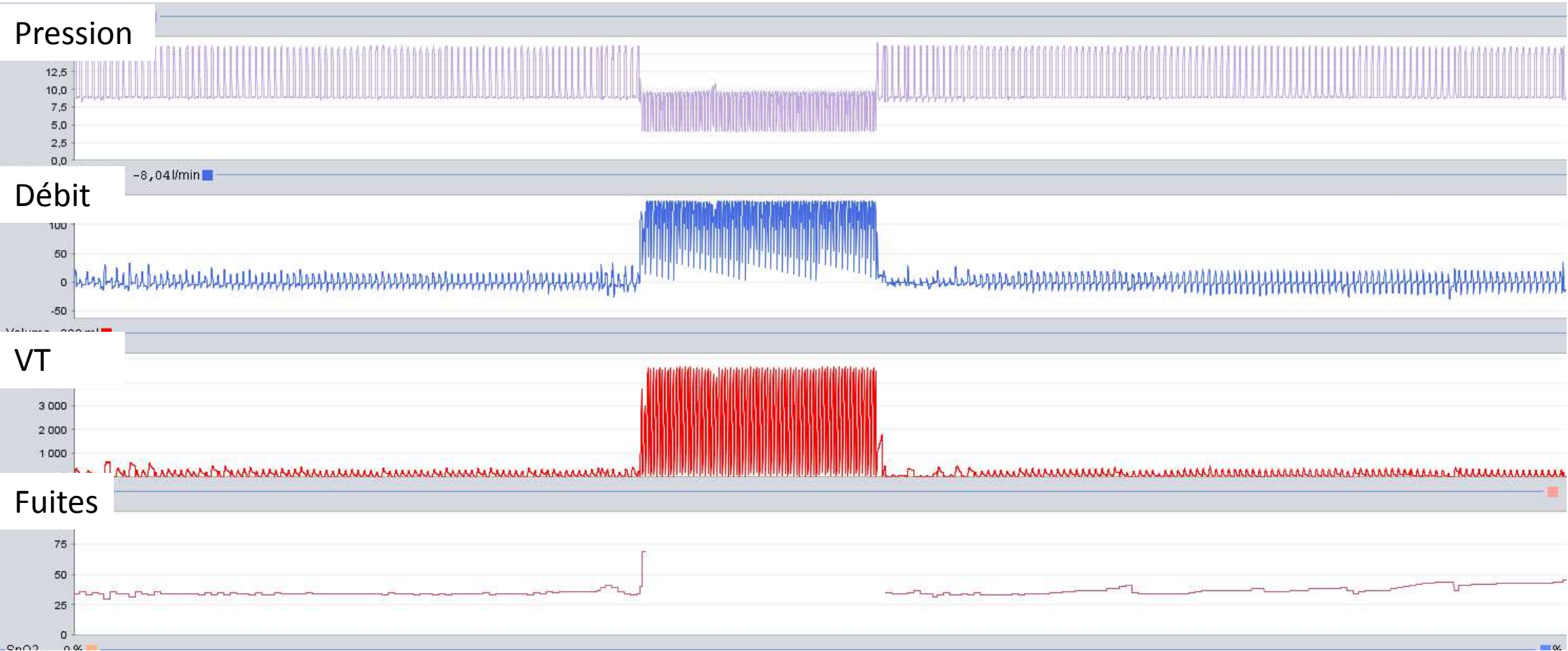
VT



Fuites



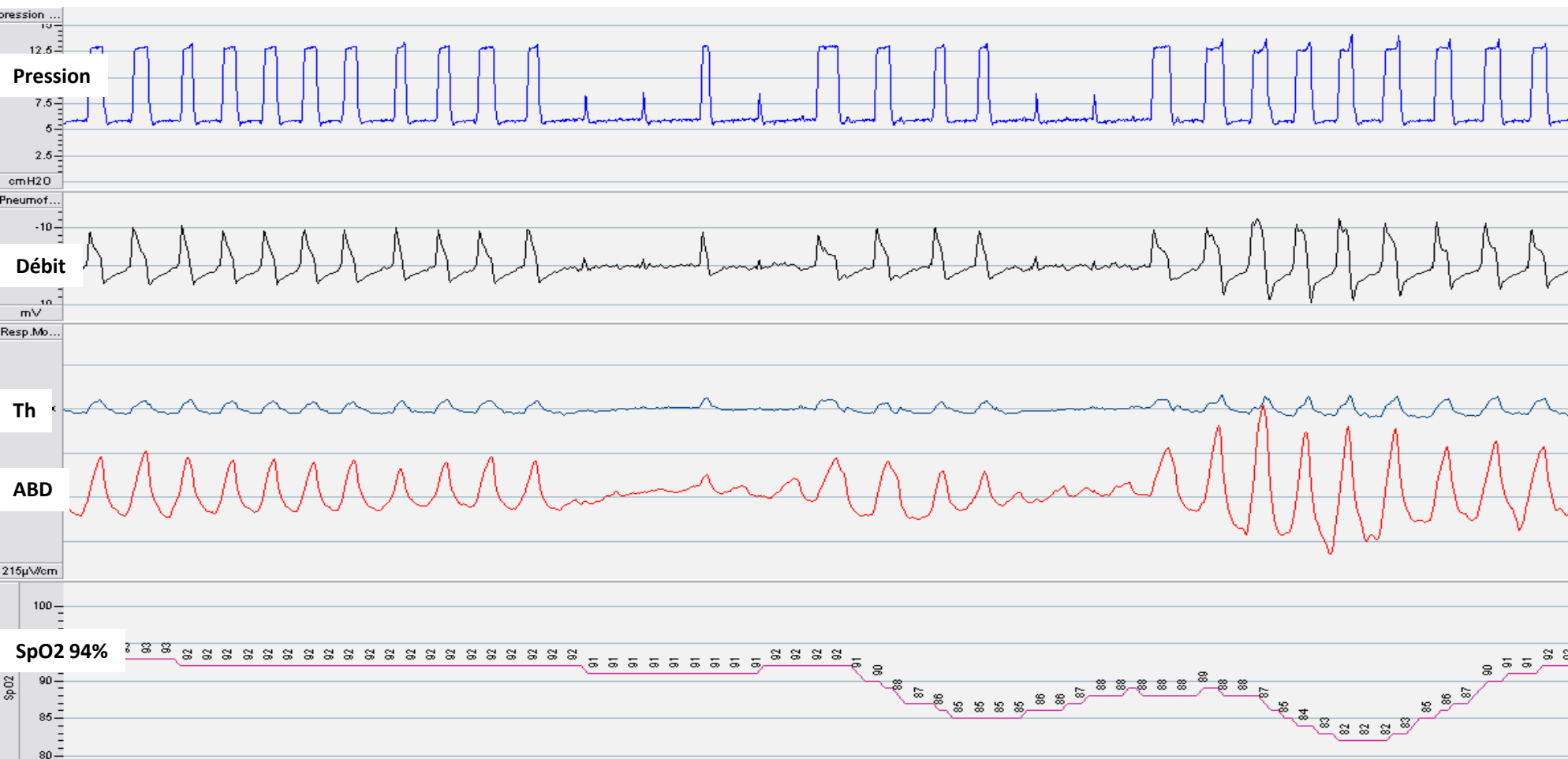
Niveau 1



Myopathie : Polygraphie intégrée

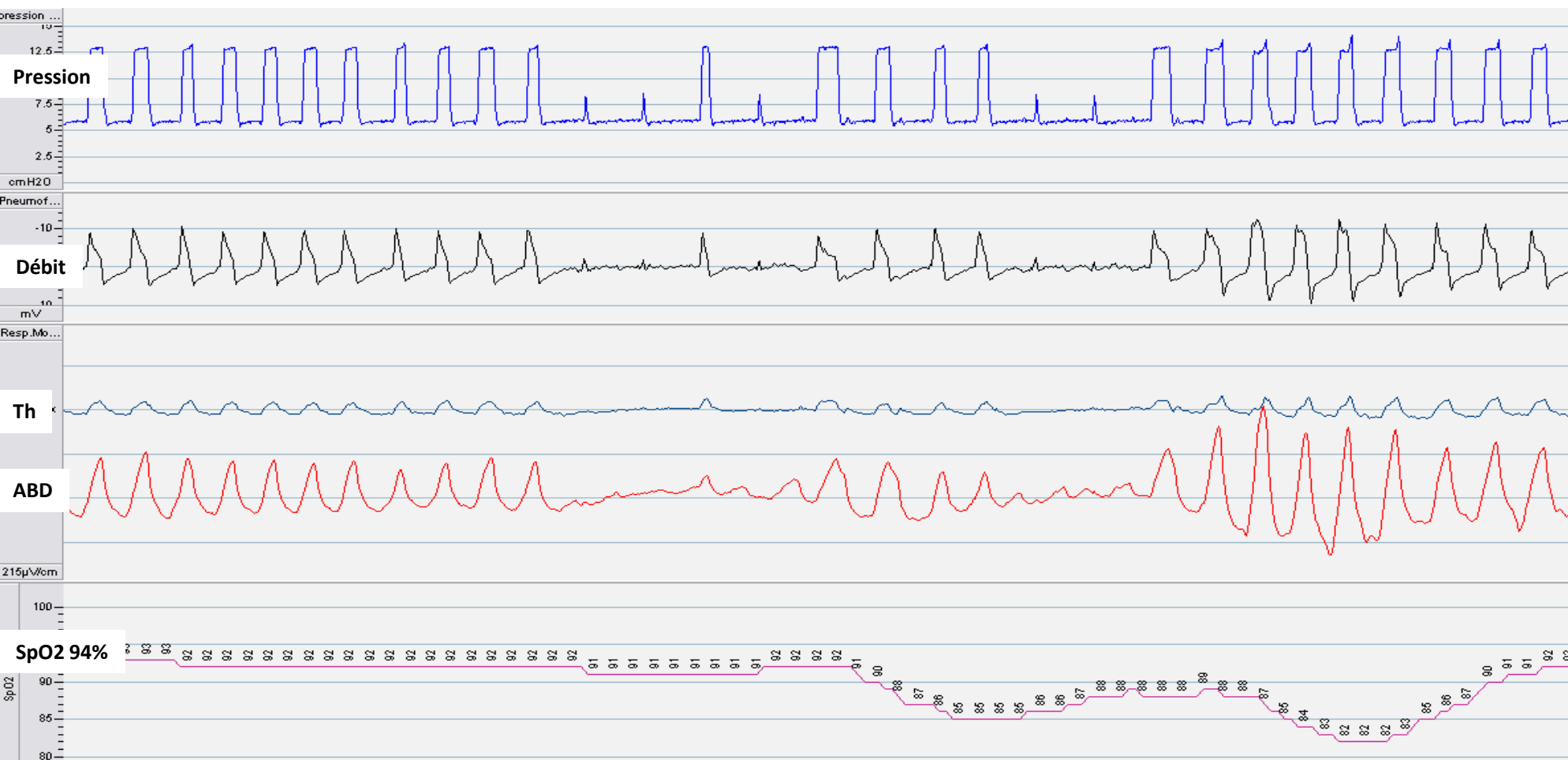
Evènement en rapport avec le soulèvement du masque par la patiente elle-même du fait de douleurs au niveau de l'arête nasale

Niveau 3



?

Niveau 3



Réglage aberrant
TMPI 200 ms / Ti min 100 ms

Niveau 2

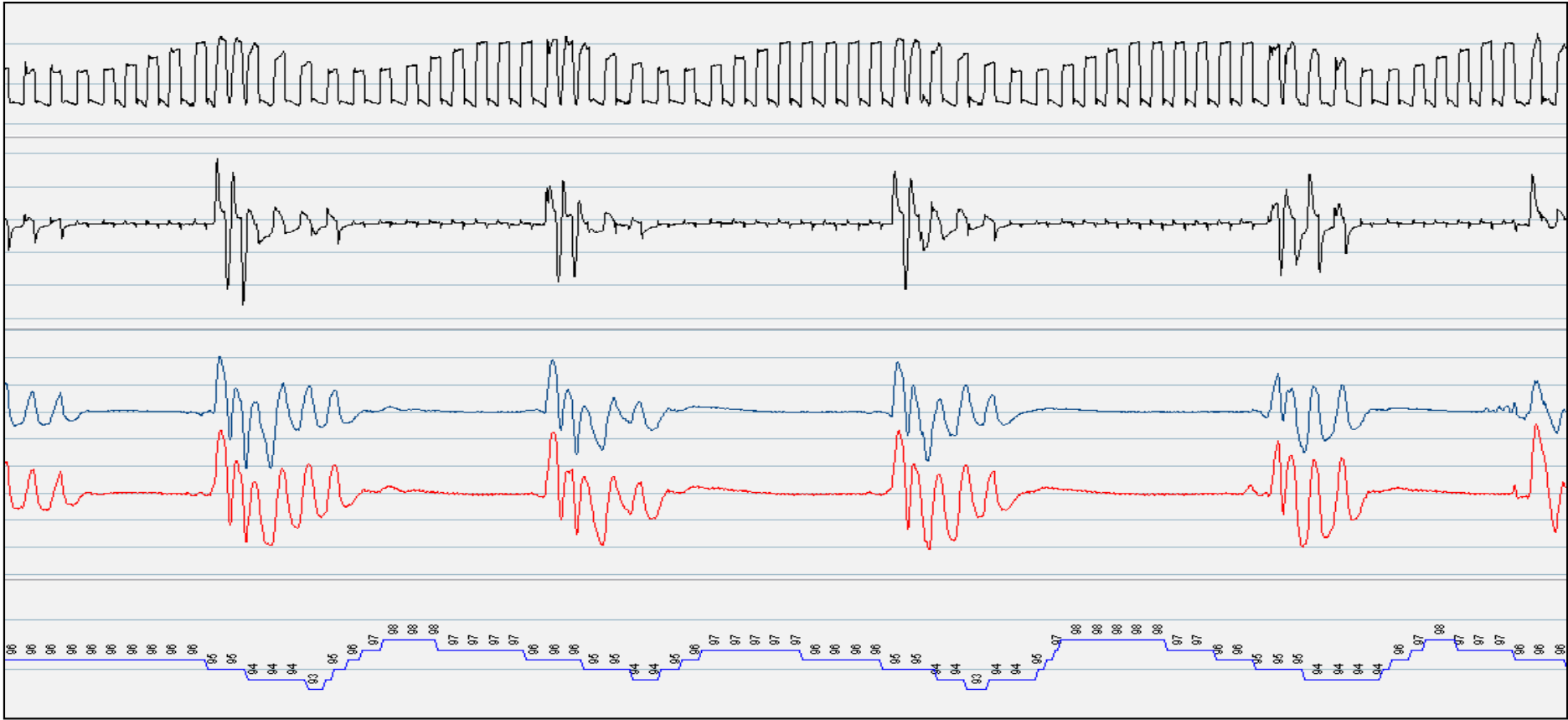
Pressure

Flow

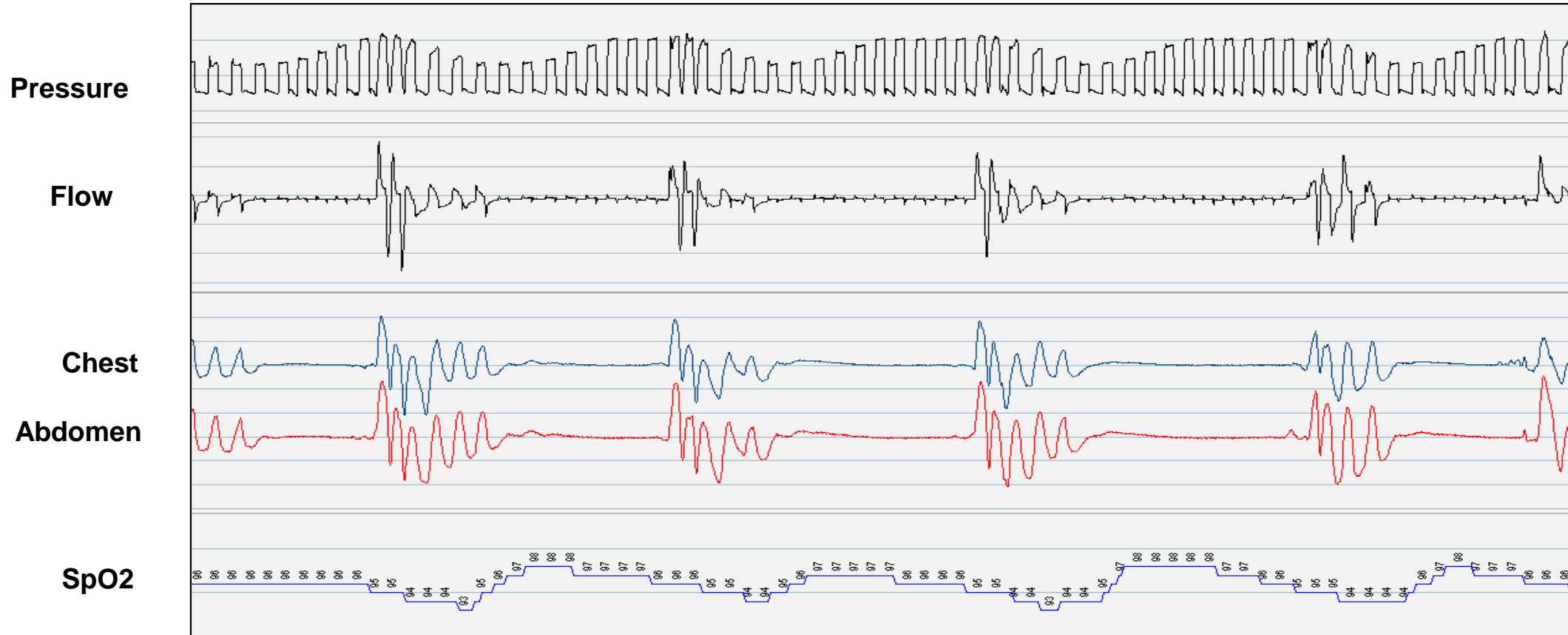
Chest

Abdomen

SpO2

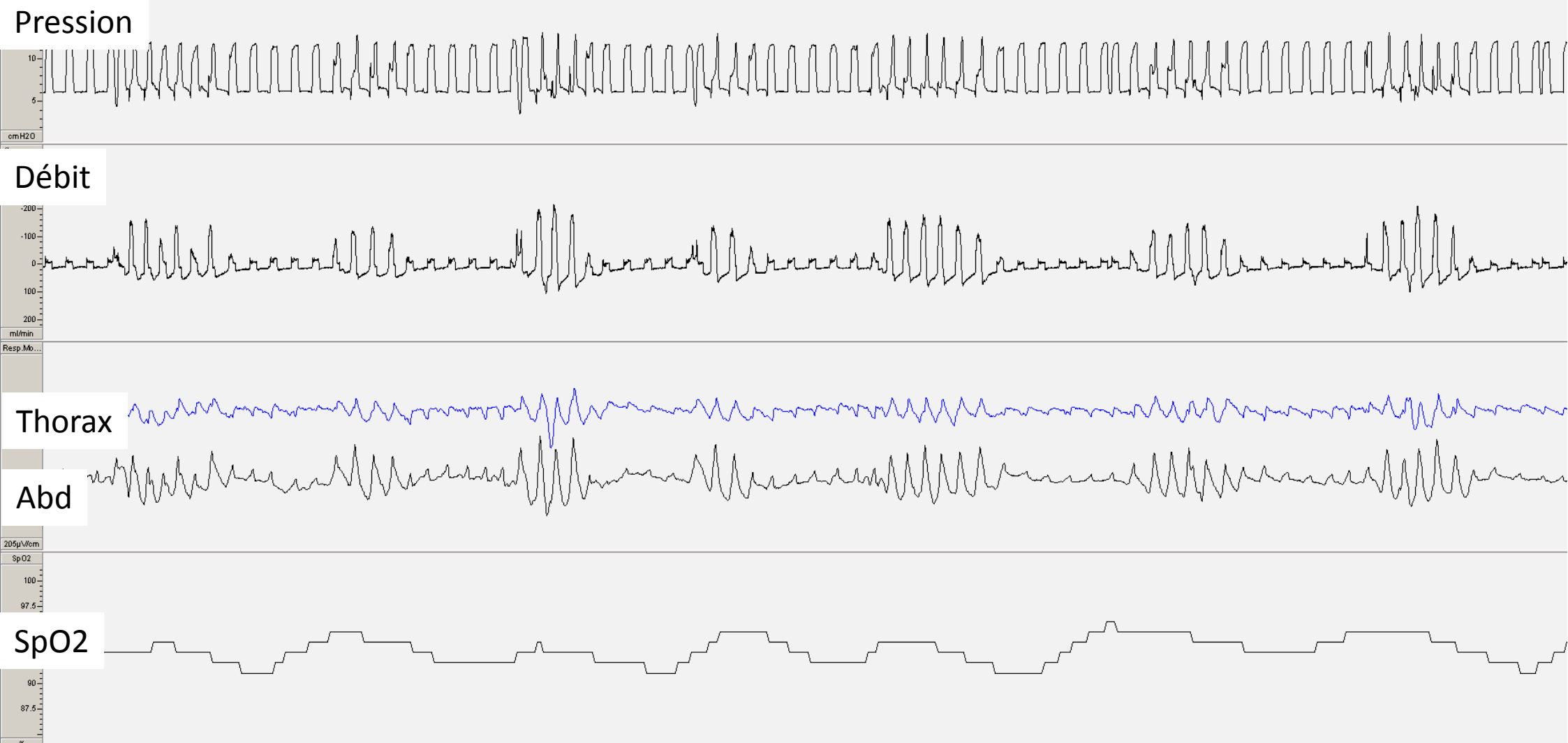


Ventilateur barométrique + Volume cible



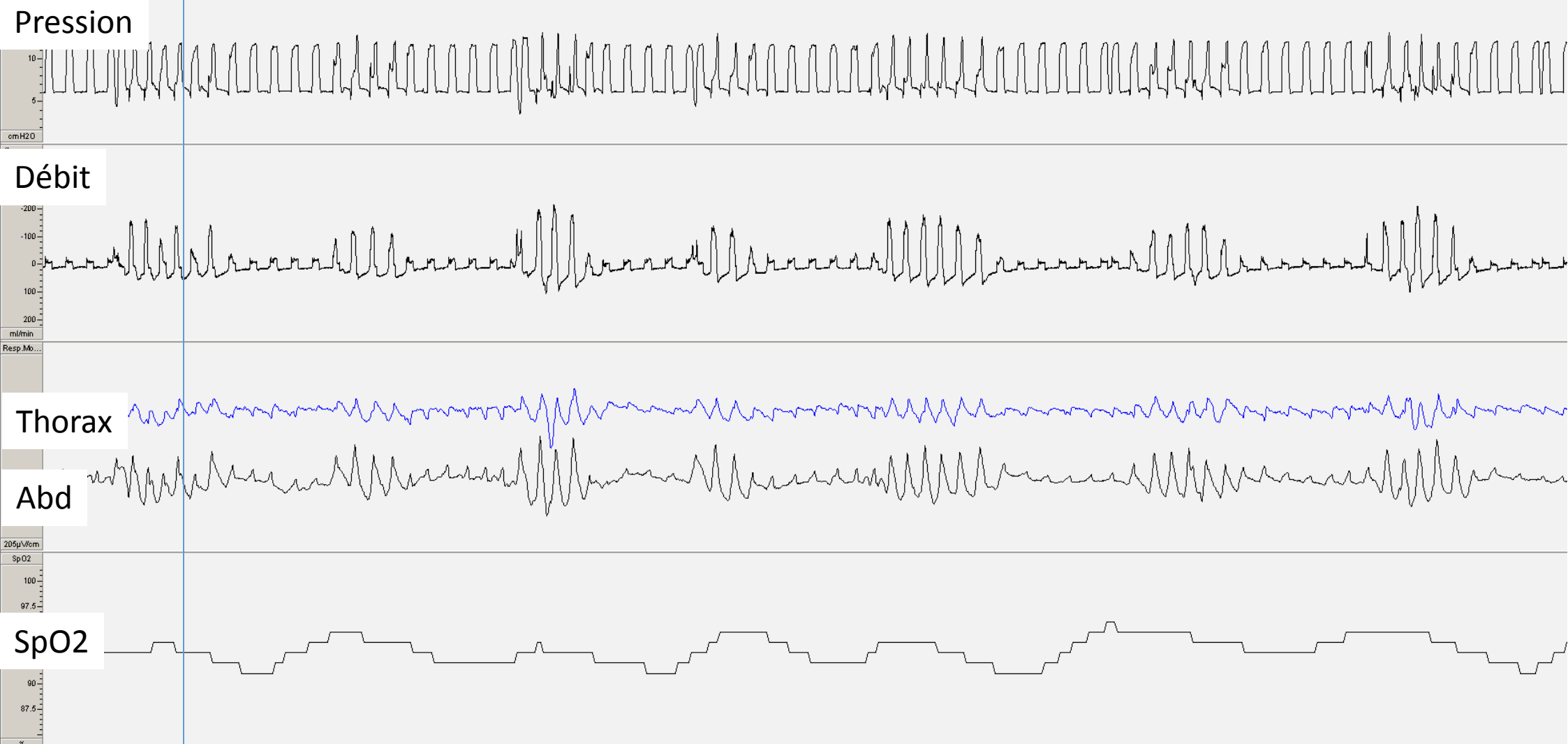
**Obstruction complète VAS avec diminution de commande centrale
Induite par le volume cible**

Niveau 2



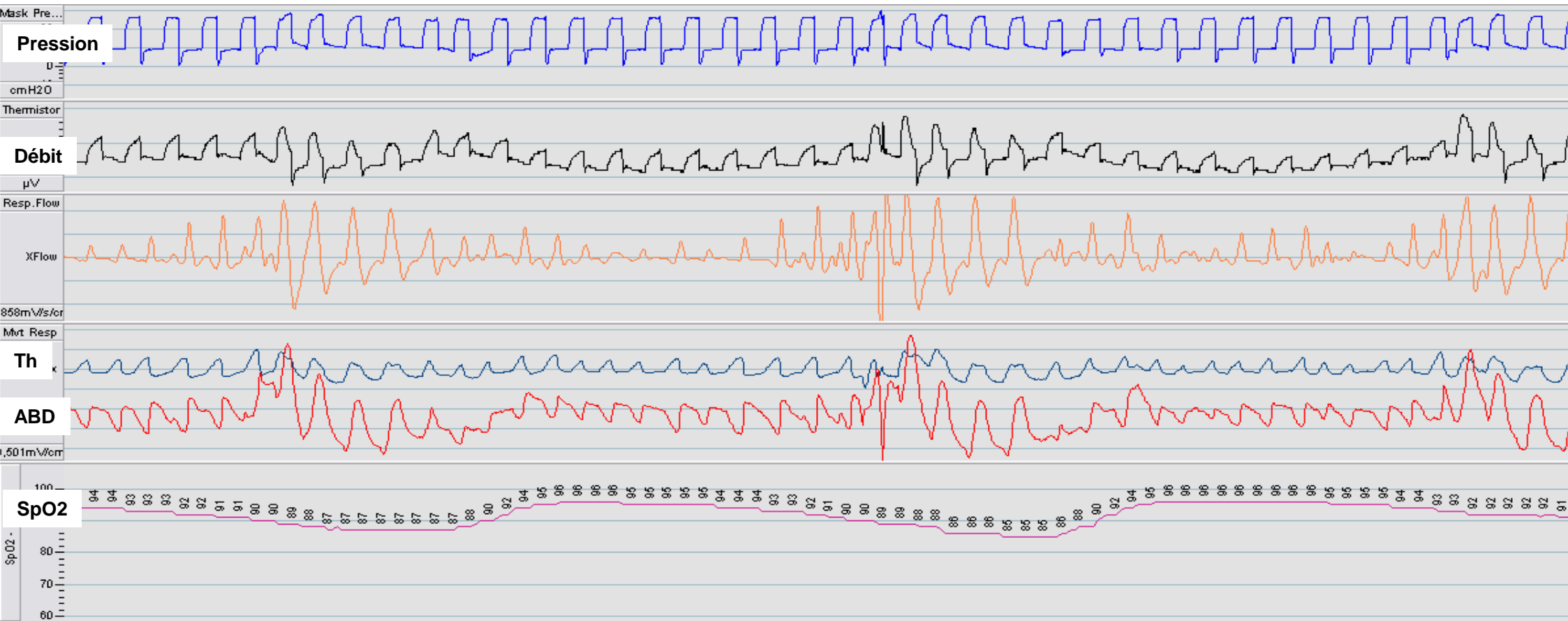
SLA, VNI, inconfort du patient, fatigue matinale
Que pensez-vous ?

Niveau 2

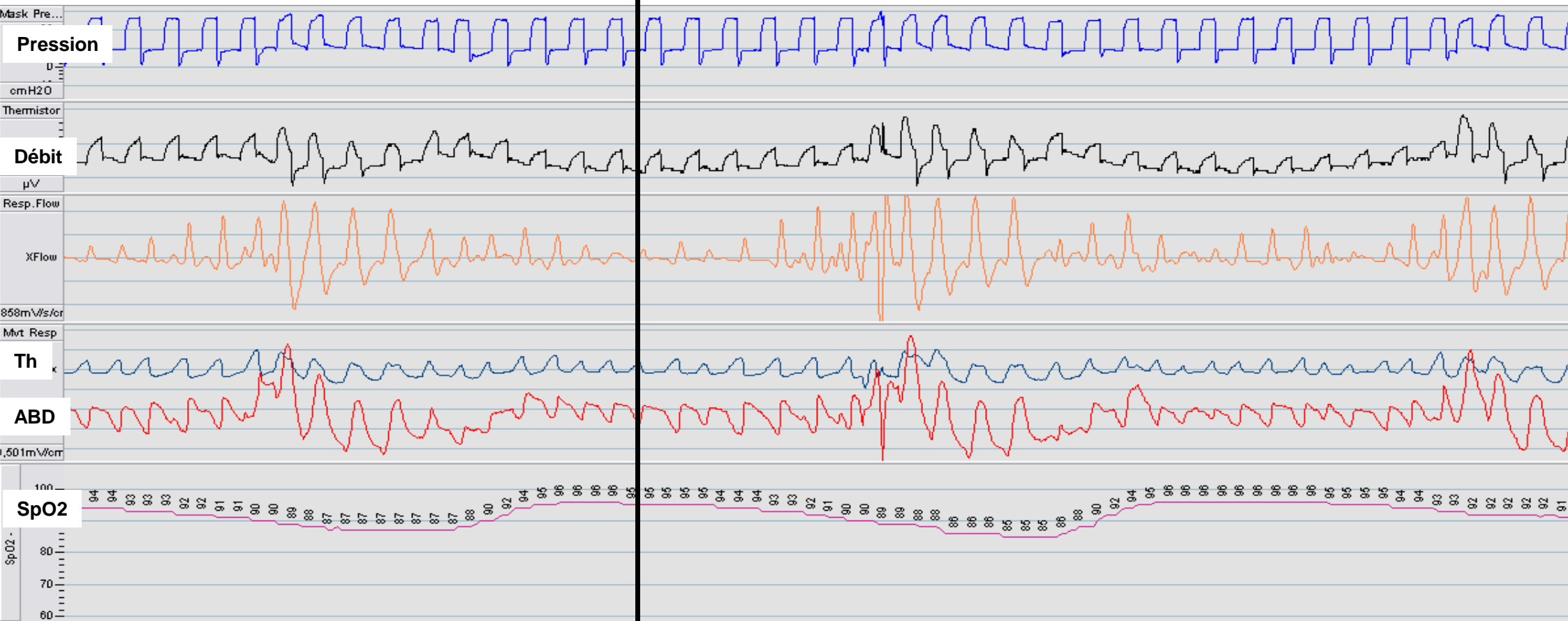


SLA : Obstruction complète des VAS sans diminution de la commande
Lutte avec le diaphragme

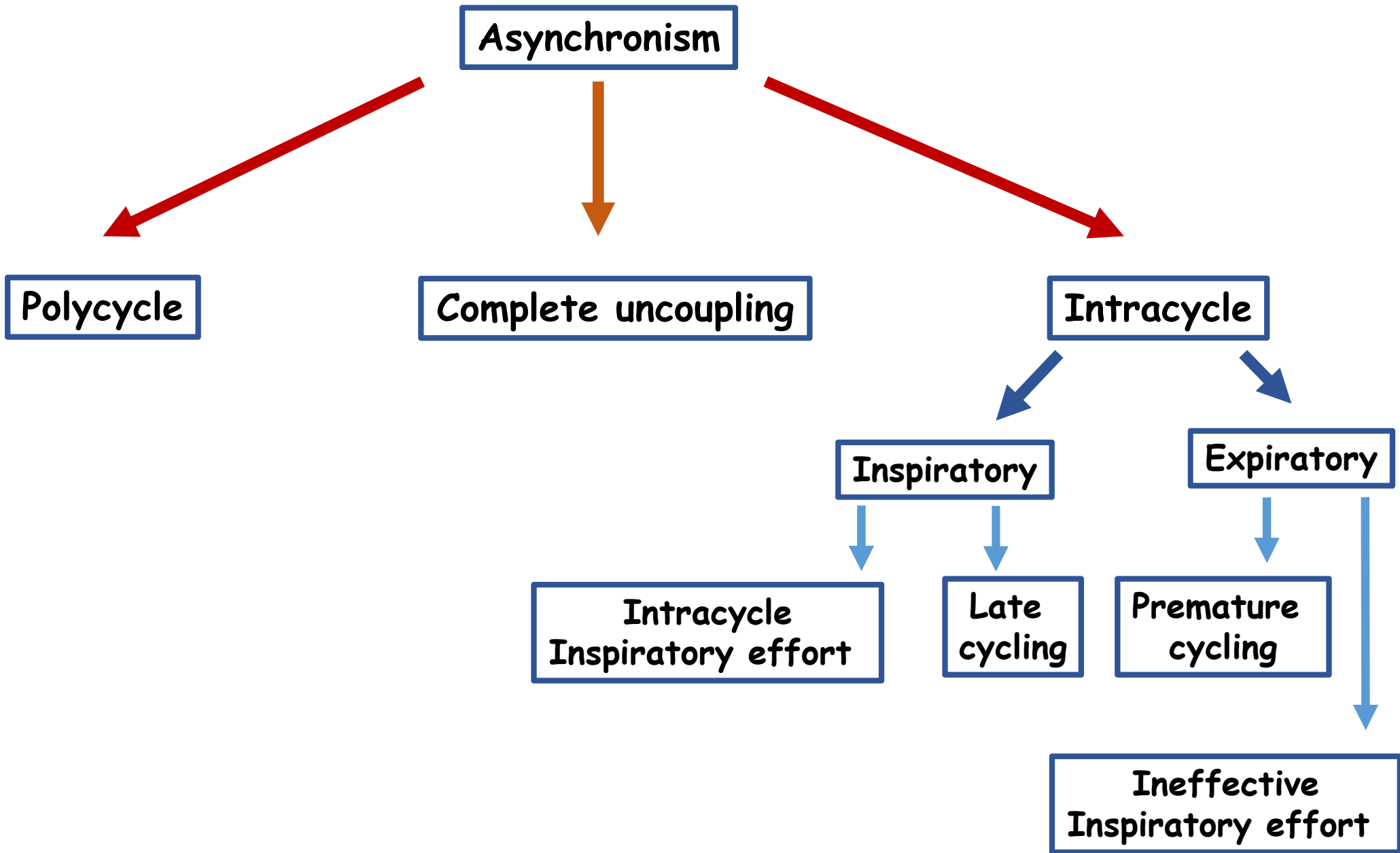
Niveau 3

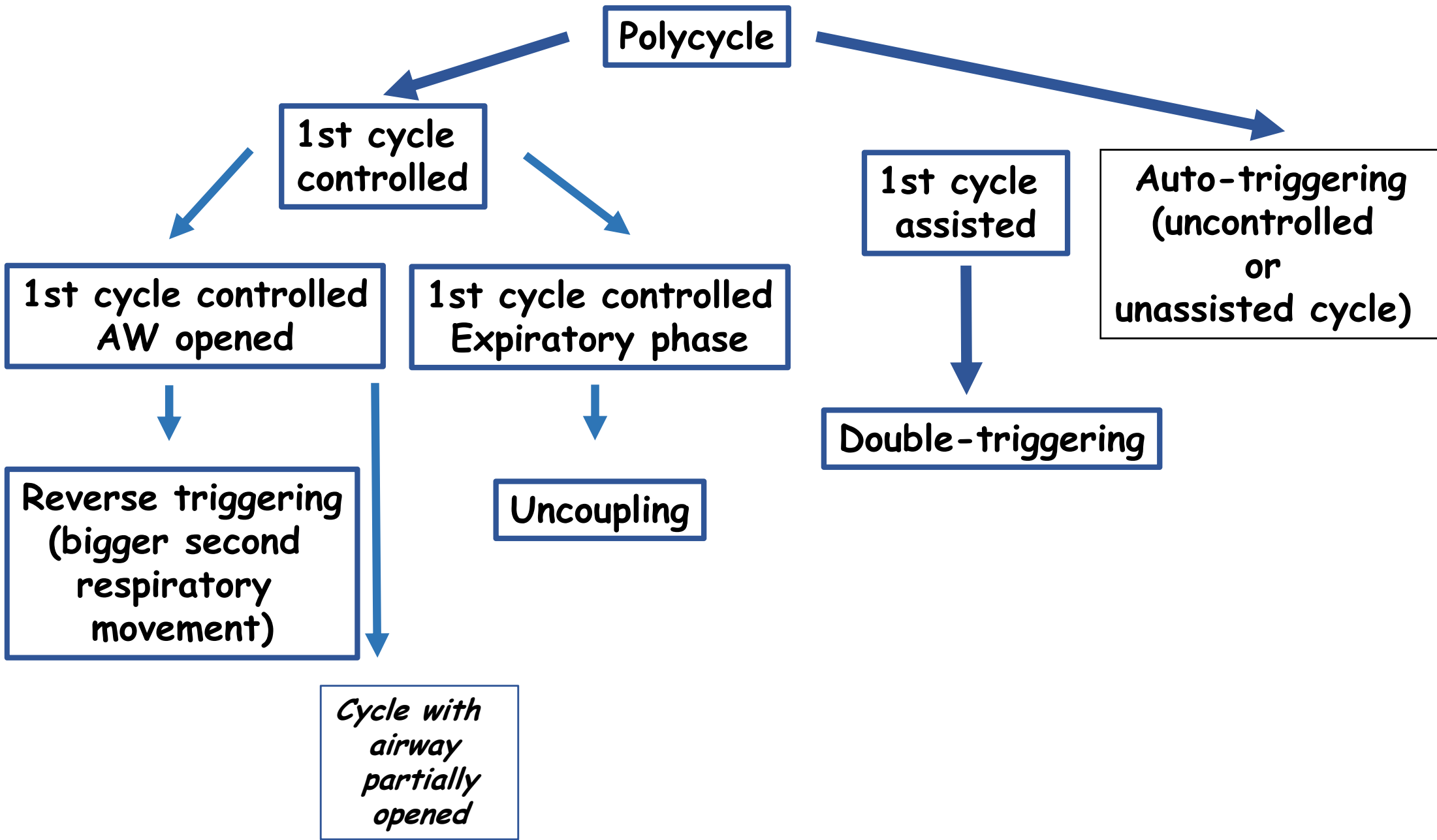


Niveau 3

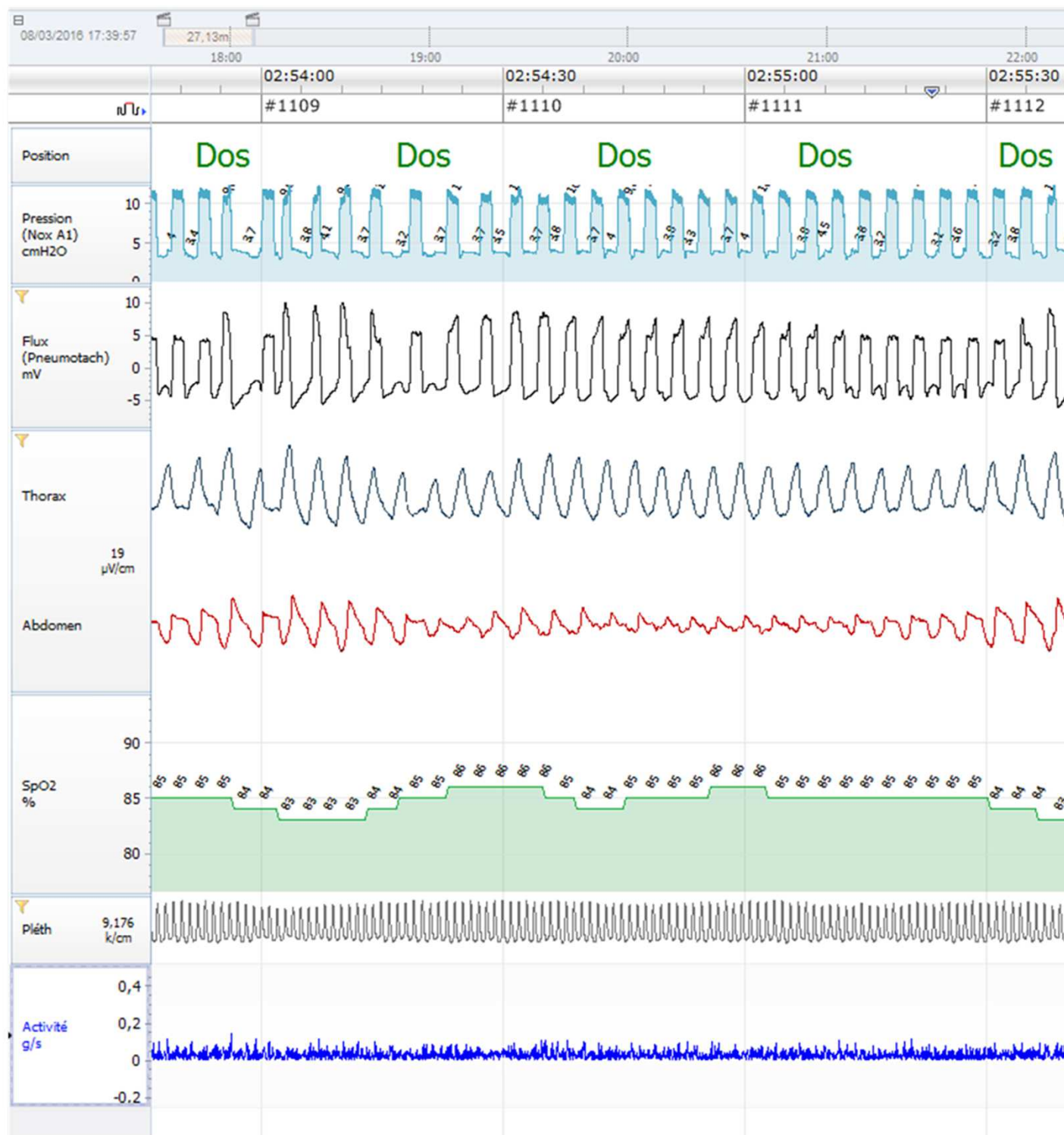


Obstruction complète VAS sans diminution commande centrale
Attention, la déflexion thoracique est positive
(comme celle du ventilateur) alors celle de l'abdomen
est négative = lutte avec les muscles du cou
+ complications
fuites non intentionnelles (aplatissement du débit)
et asynchronisme



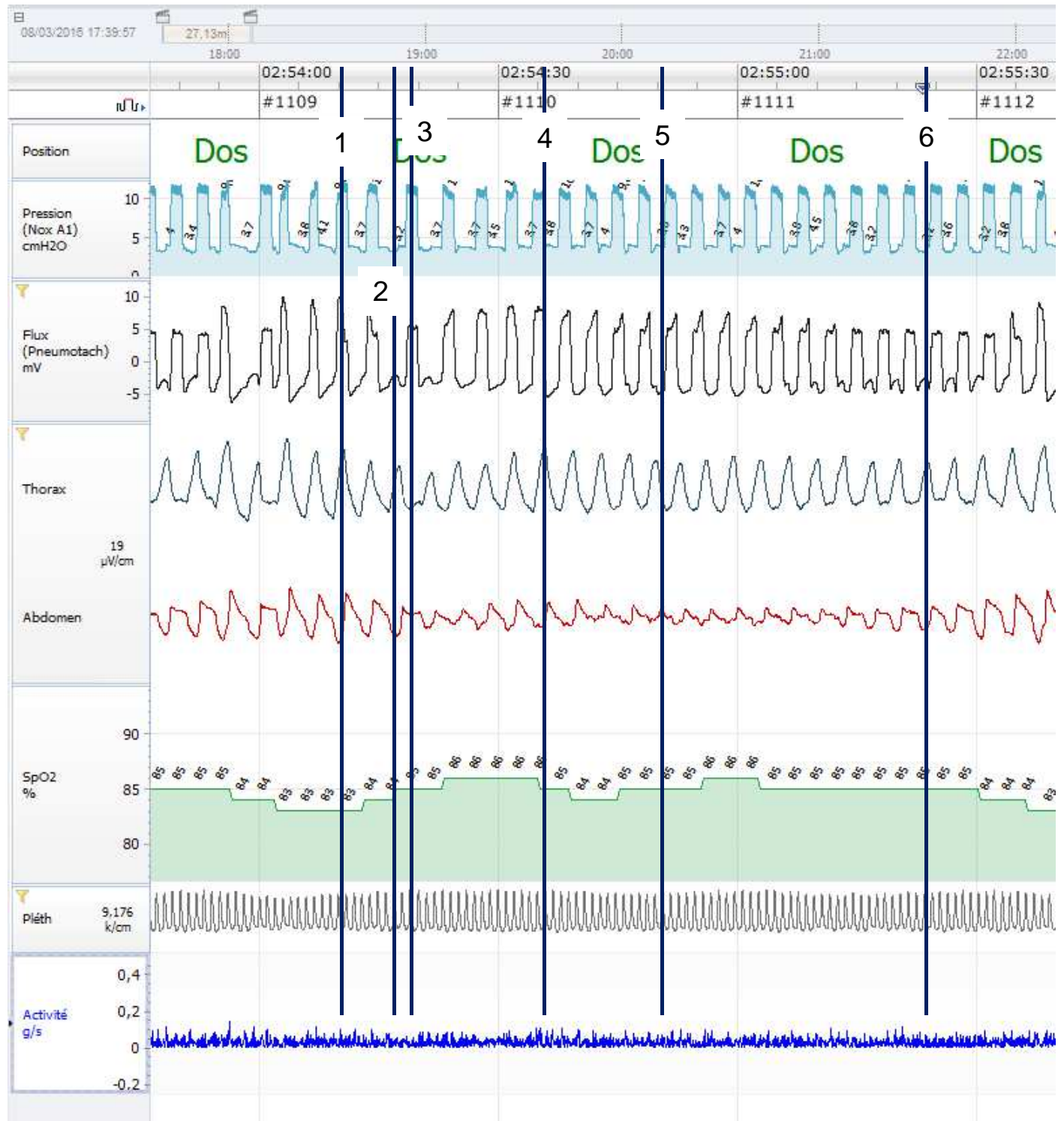


Niveau 3



Niveau 3

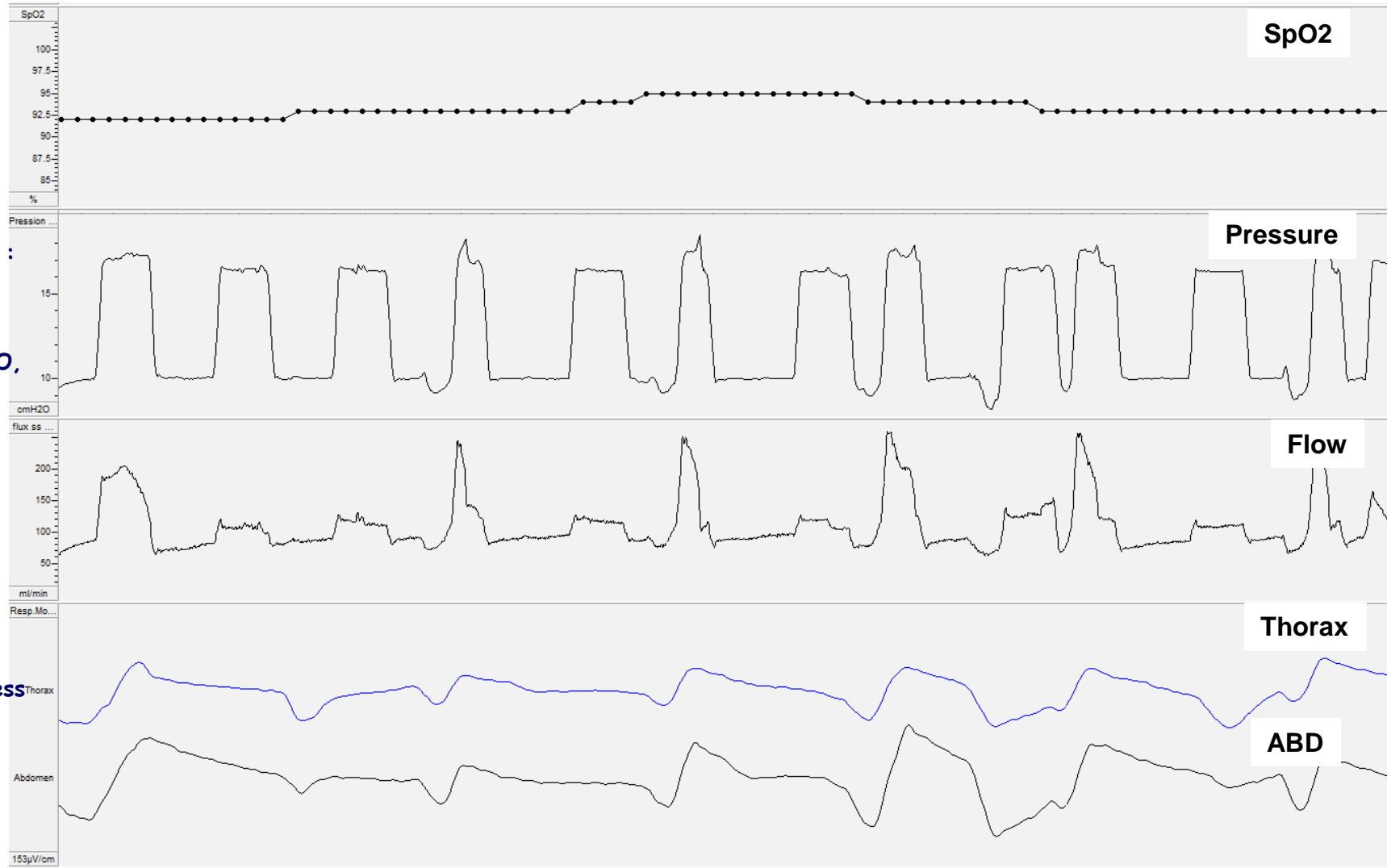
Obstruction des VAS compliquée de fuites non intentionnelles et découplage total



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

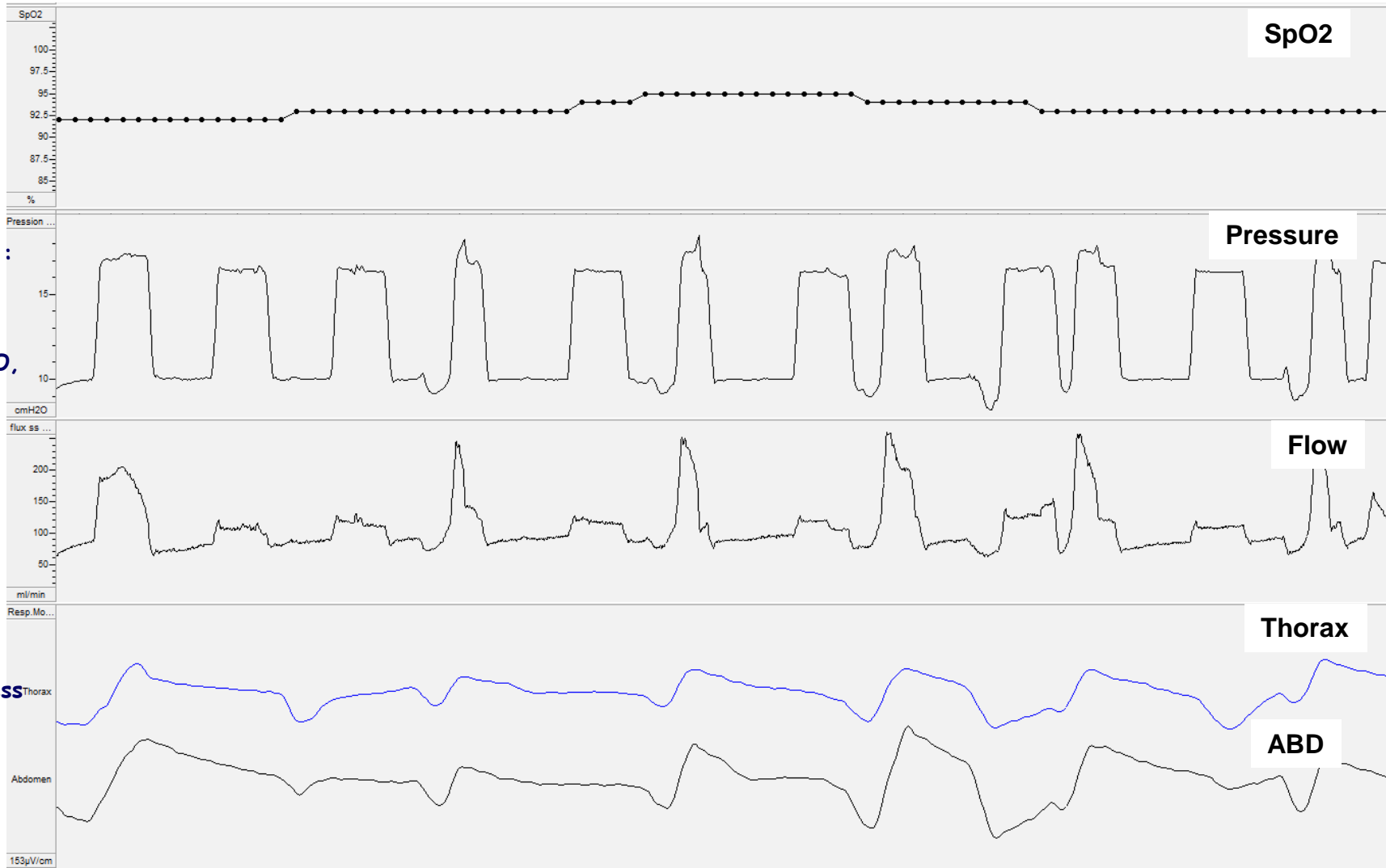


Uncoupling with obstruction upper airway (chute de la langue) – 1 min

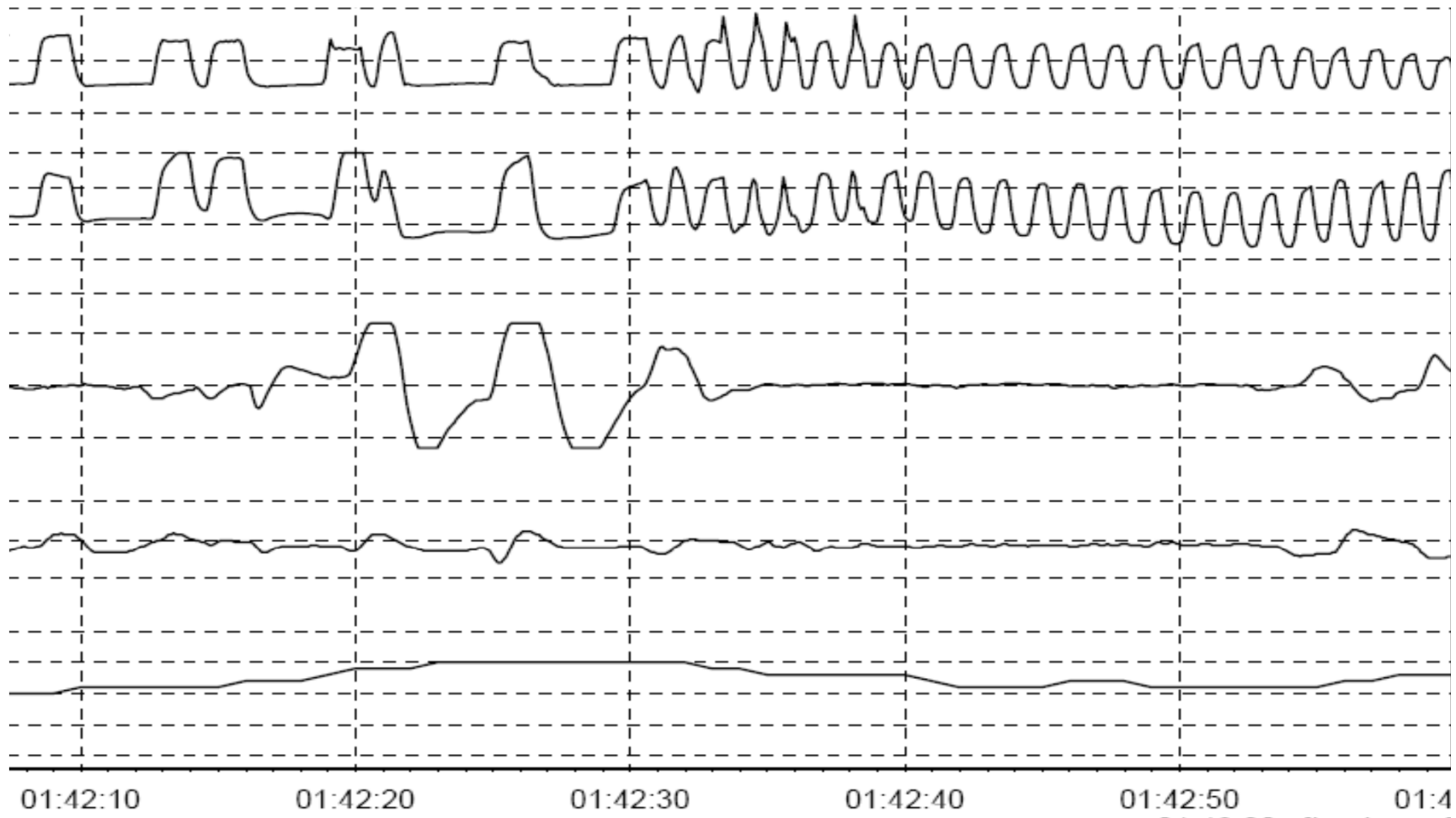
Niveau 3

- 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 »

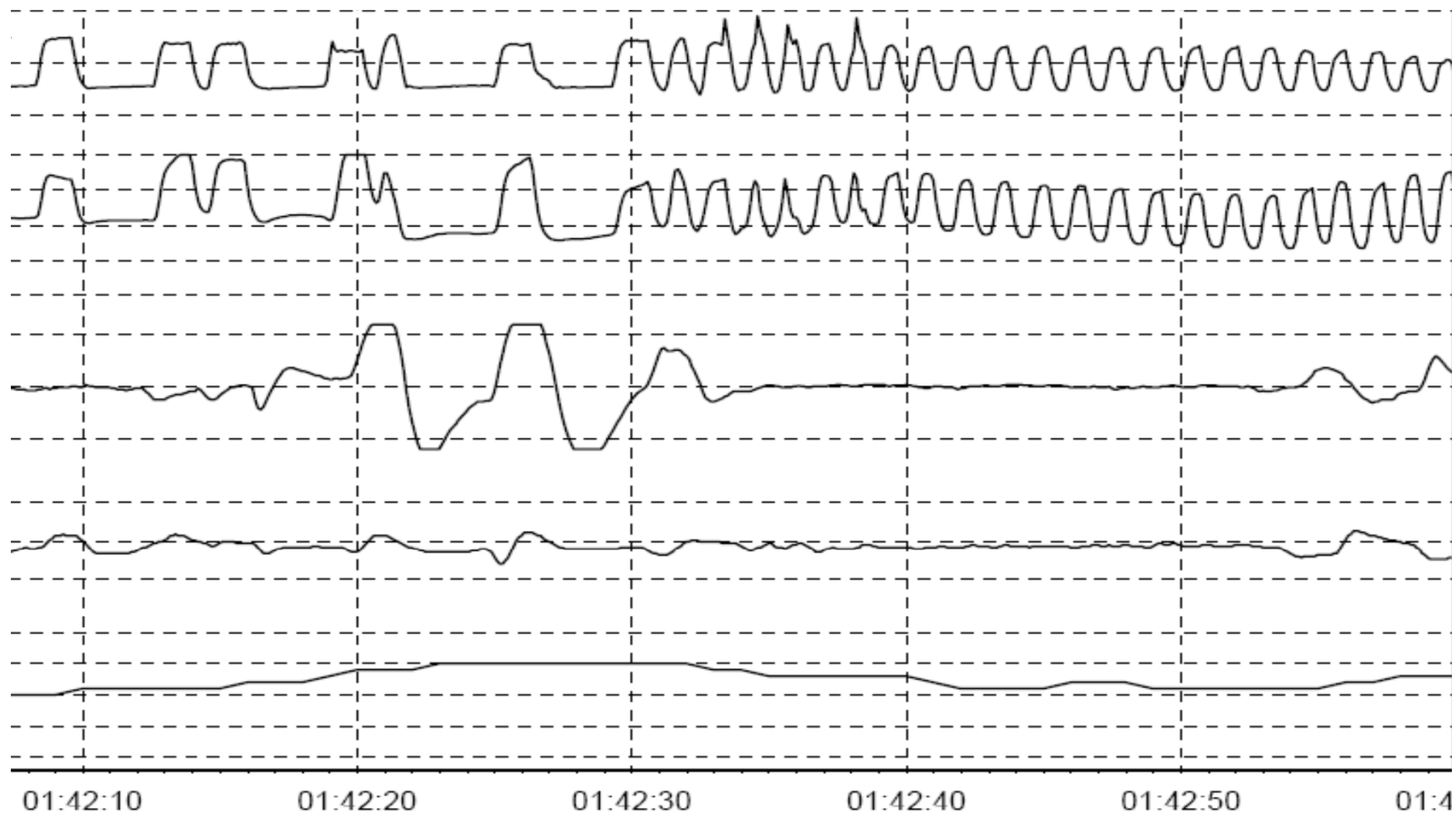
- Matinal fatigue, diurnal sleepiness



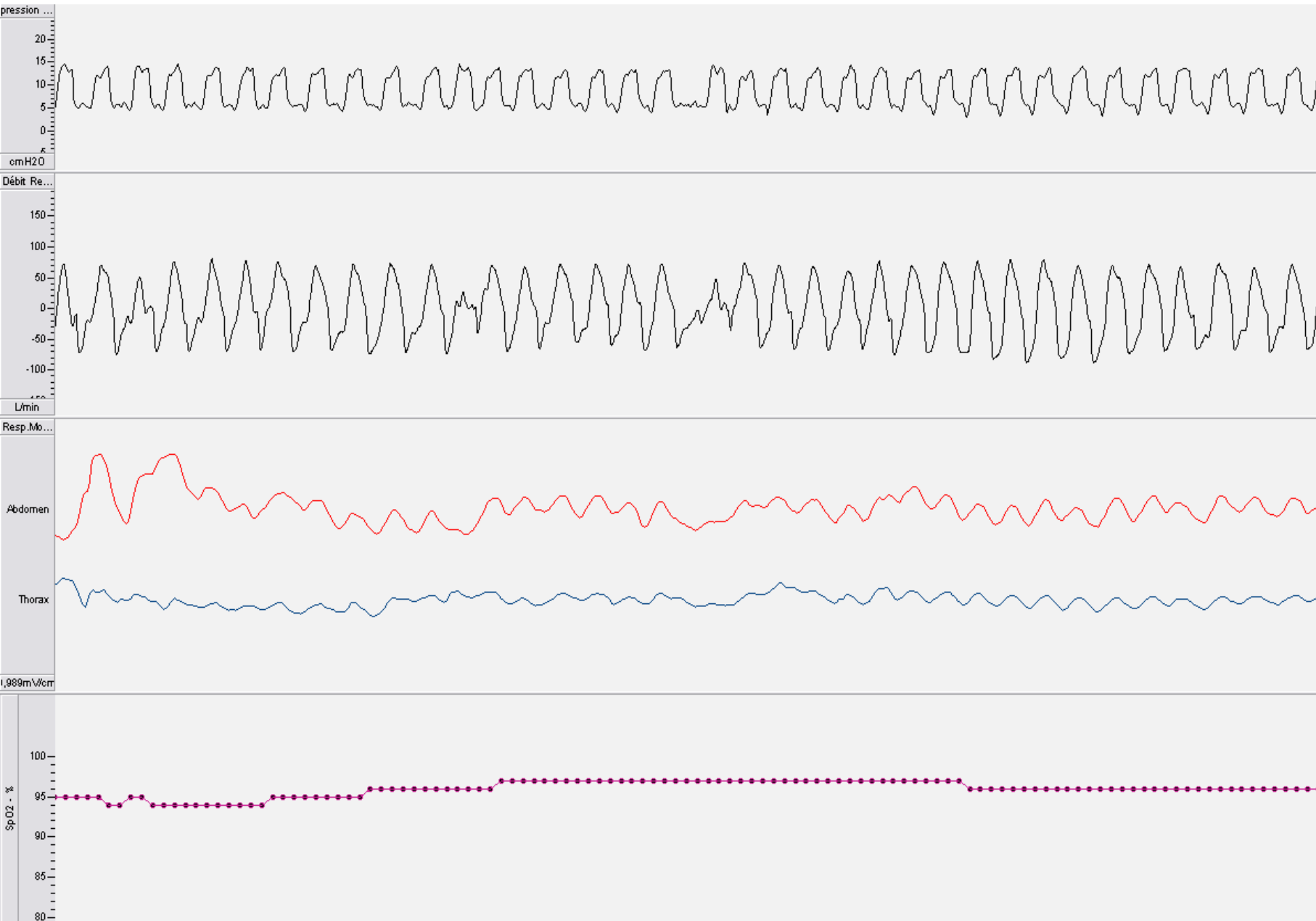
Niveau 3



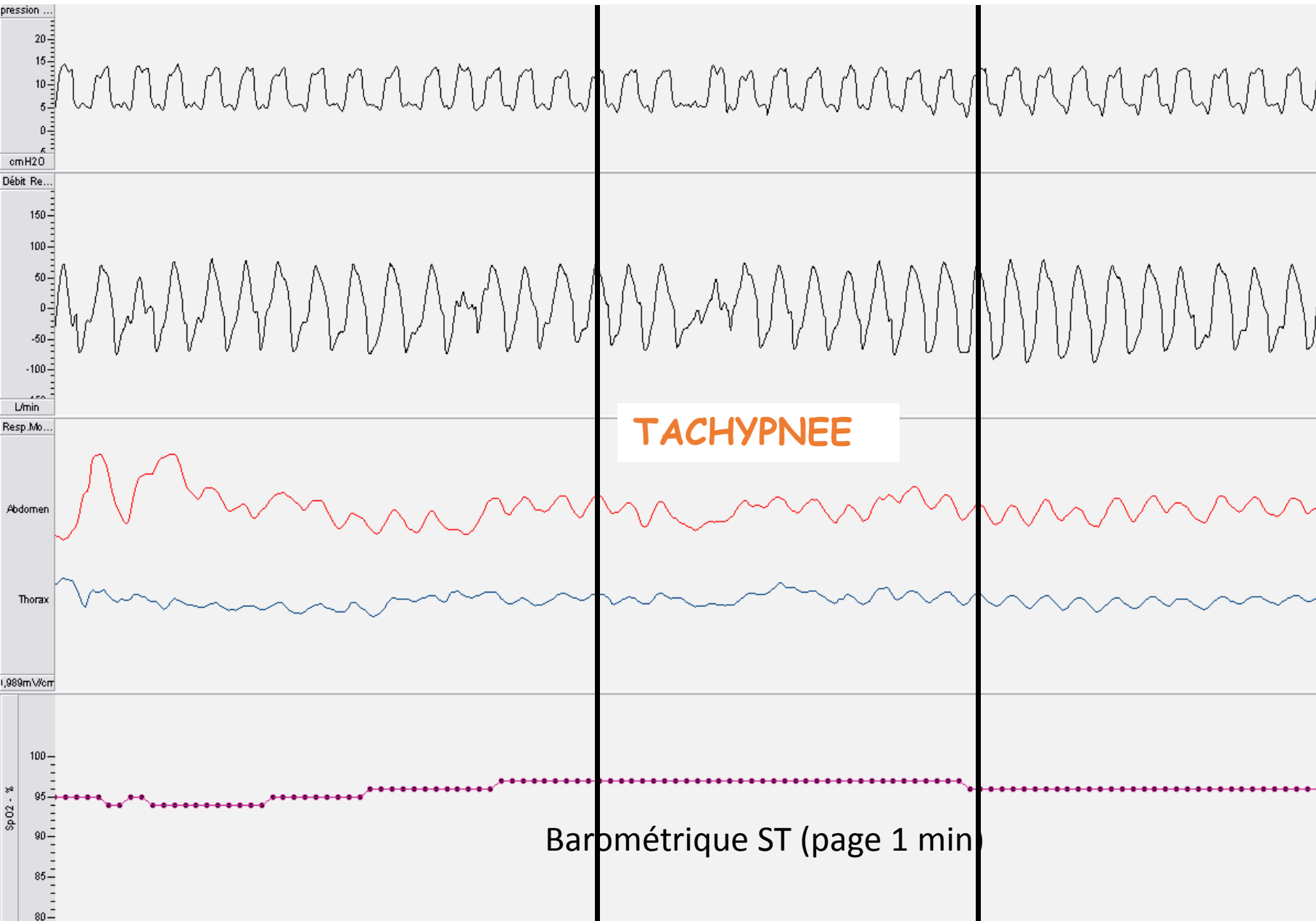
Niveau 3



Autodéclenchement



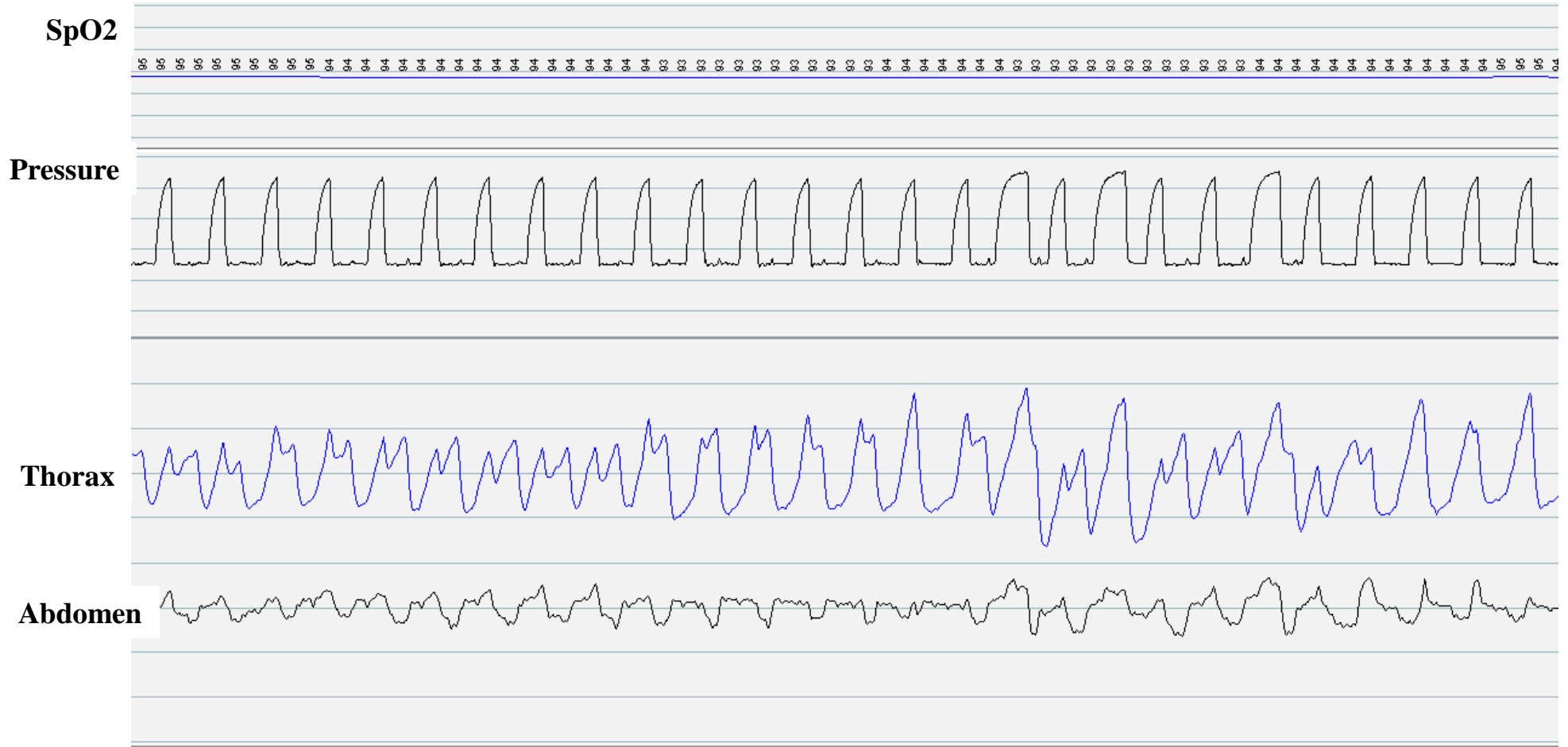
Niveau 3



Niveau 3

Niveau 3

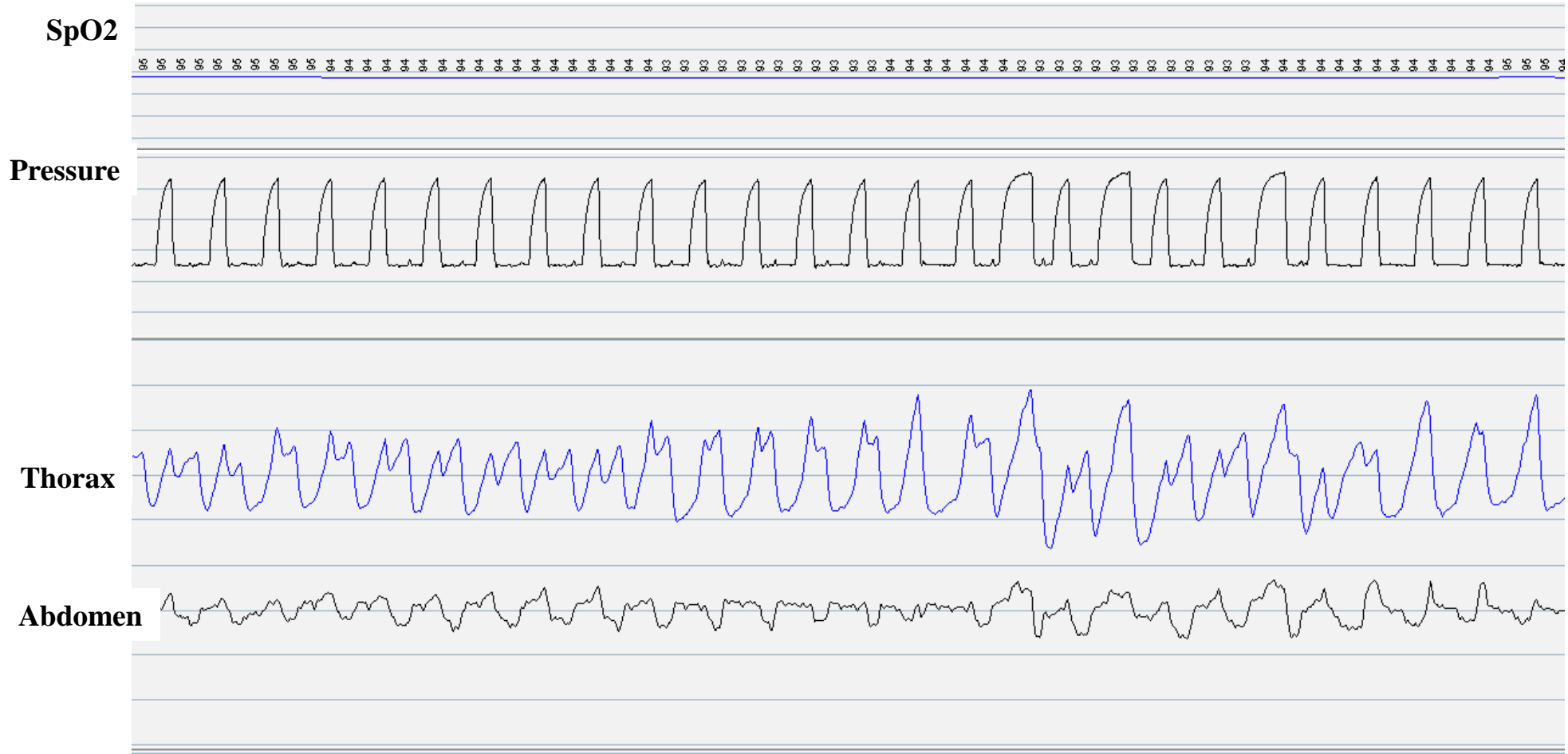
Myopathy



Cyclage précoce compliqué d'effort inspiratoire non récompensé

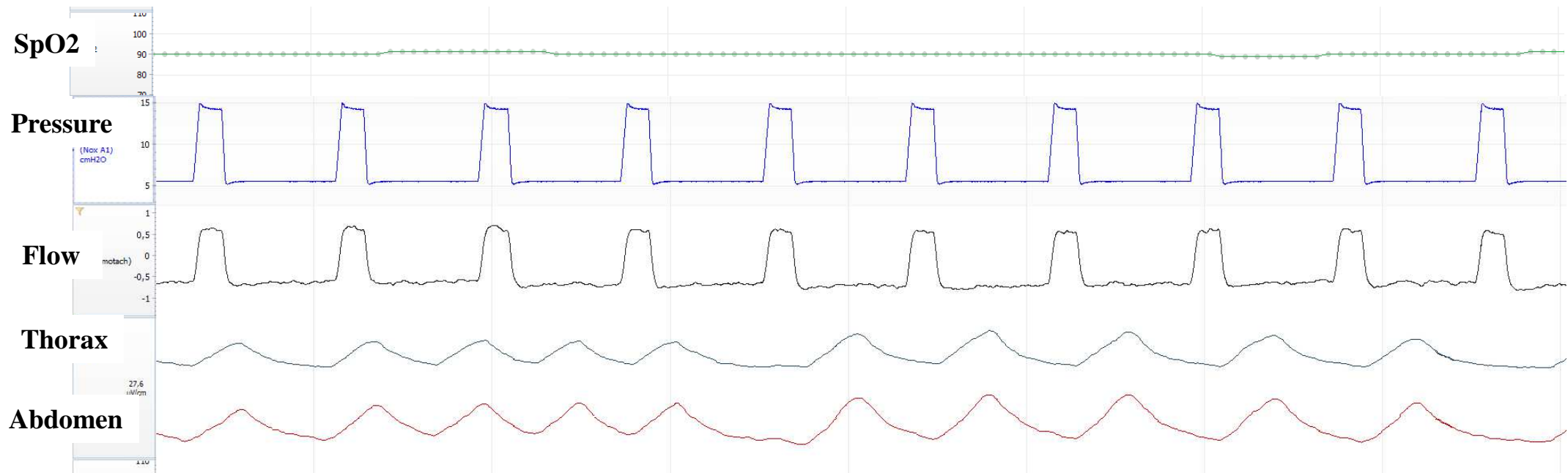
Niveau 3

Myopathy



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

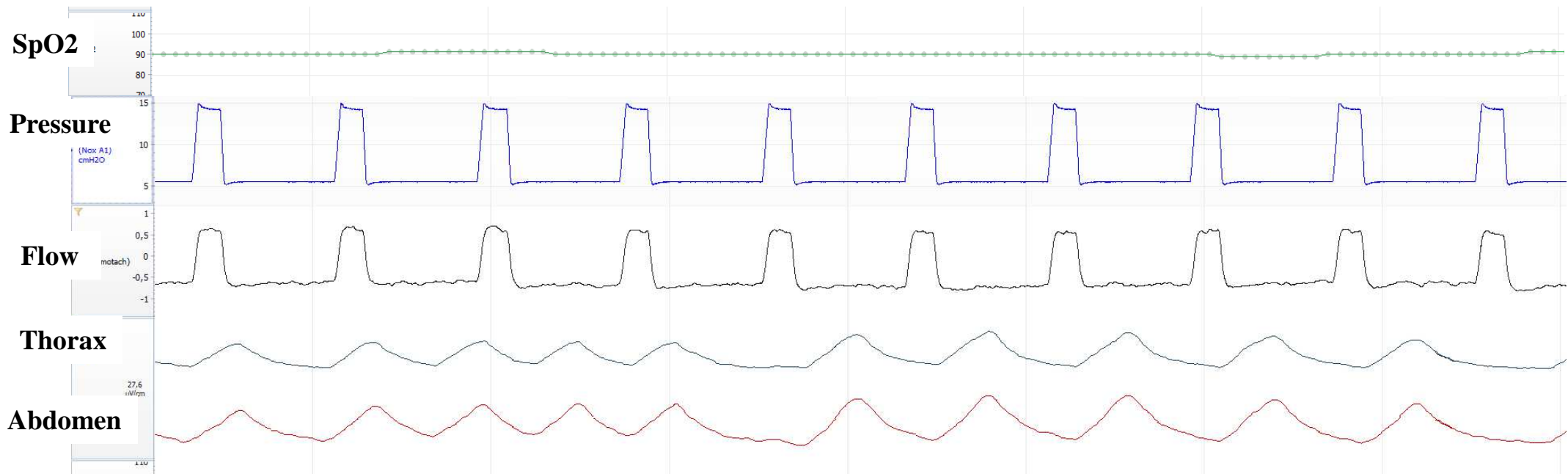
Niveau 3



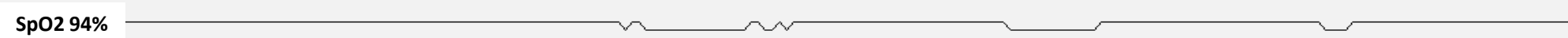
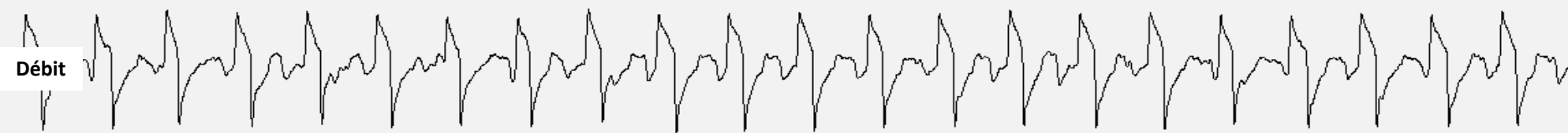
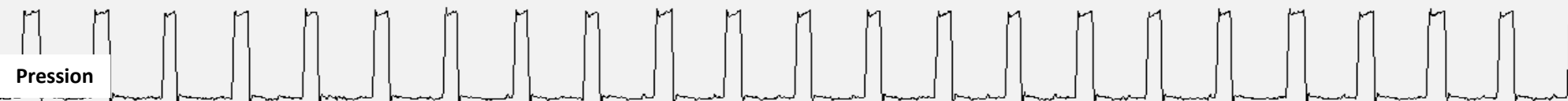
Niveau 3

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

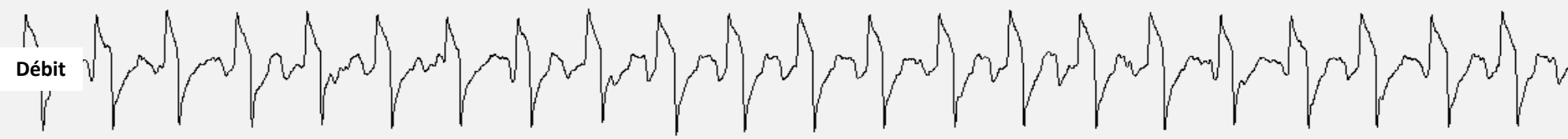
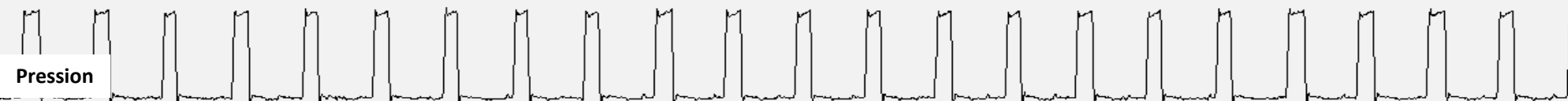
« Complete uncoupling » sur fuites non intentionnelles



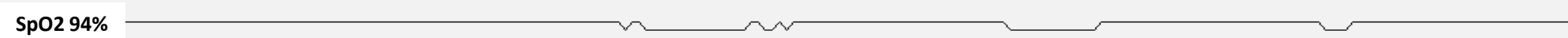
Niveau 3



Niveau 3



Efforts inspiratoires non récompensés

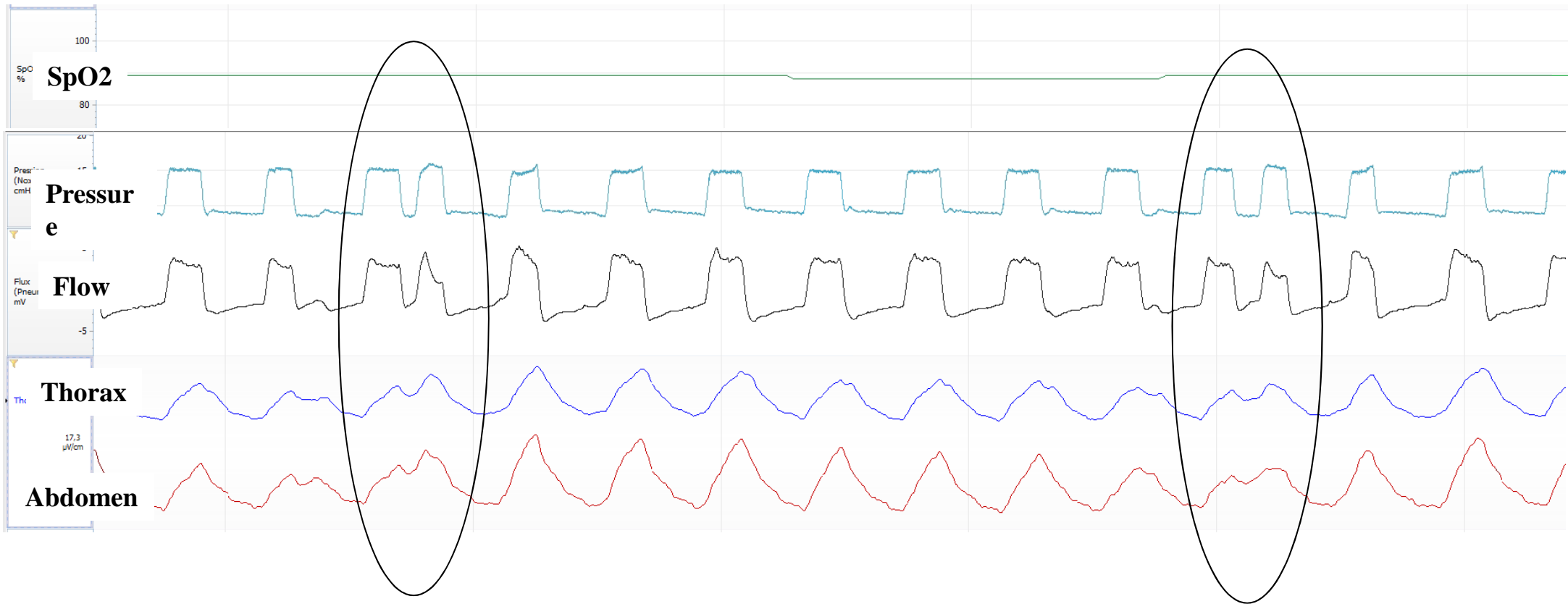


Niveau 3

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



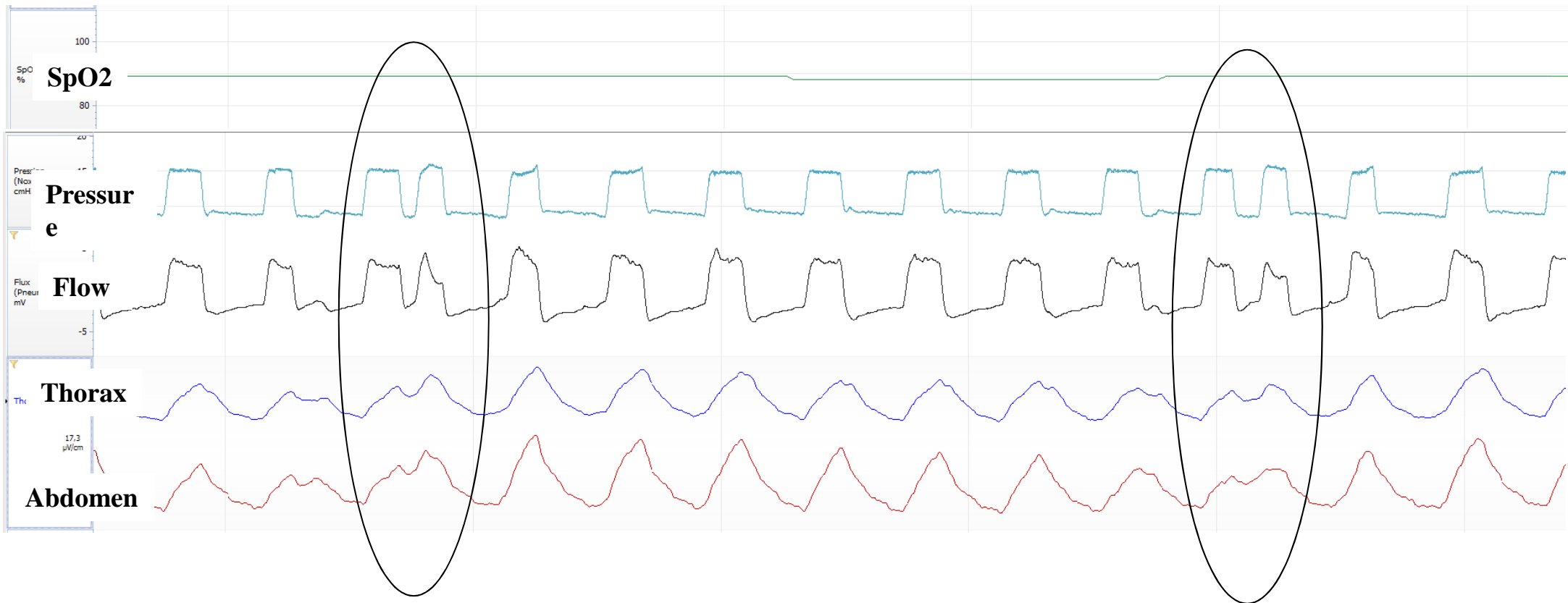
Briki Labidi, april 18th 2016 – 1 min

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

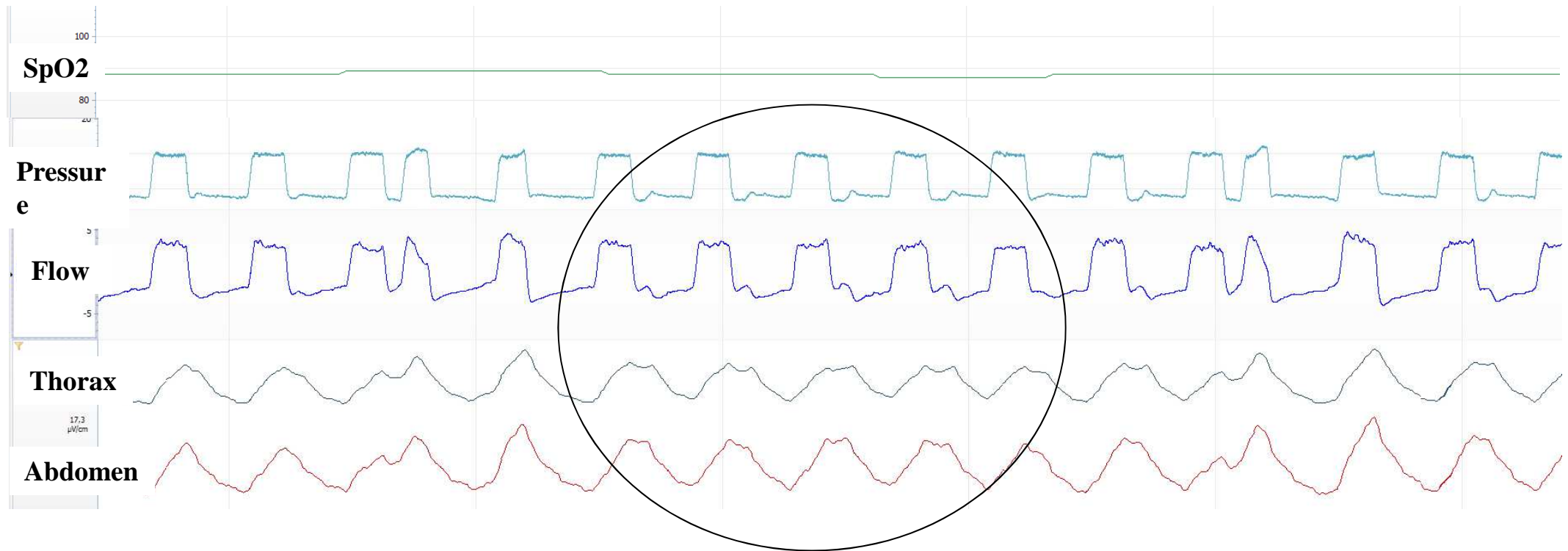


Niveau 3

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



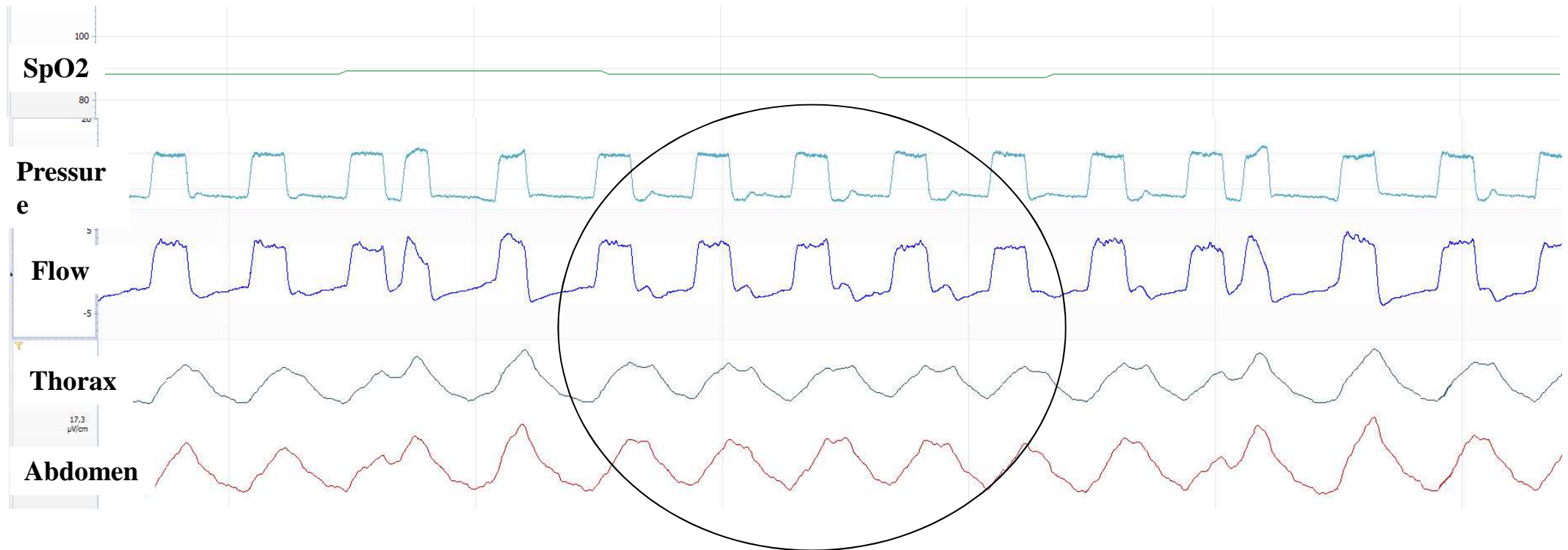
Niveau 3

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

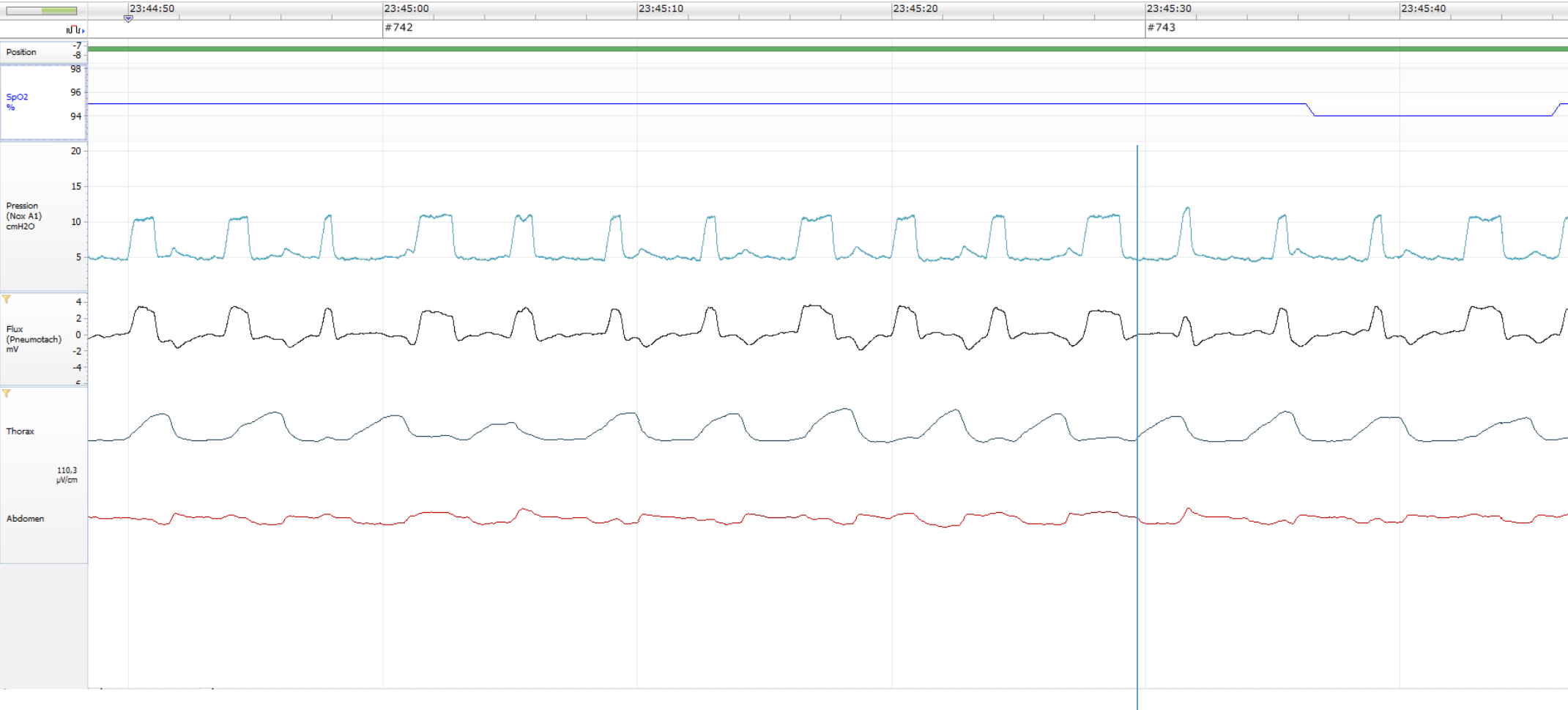
Mrs V, 2012 – 1 min
COPD, diaphragmatic paralysis

Efforts inspiratoires non récompensés



Niveau 3

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

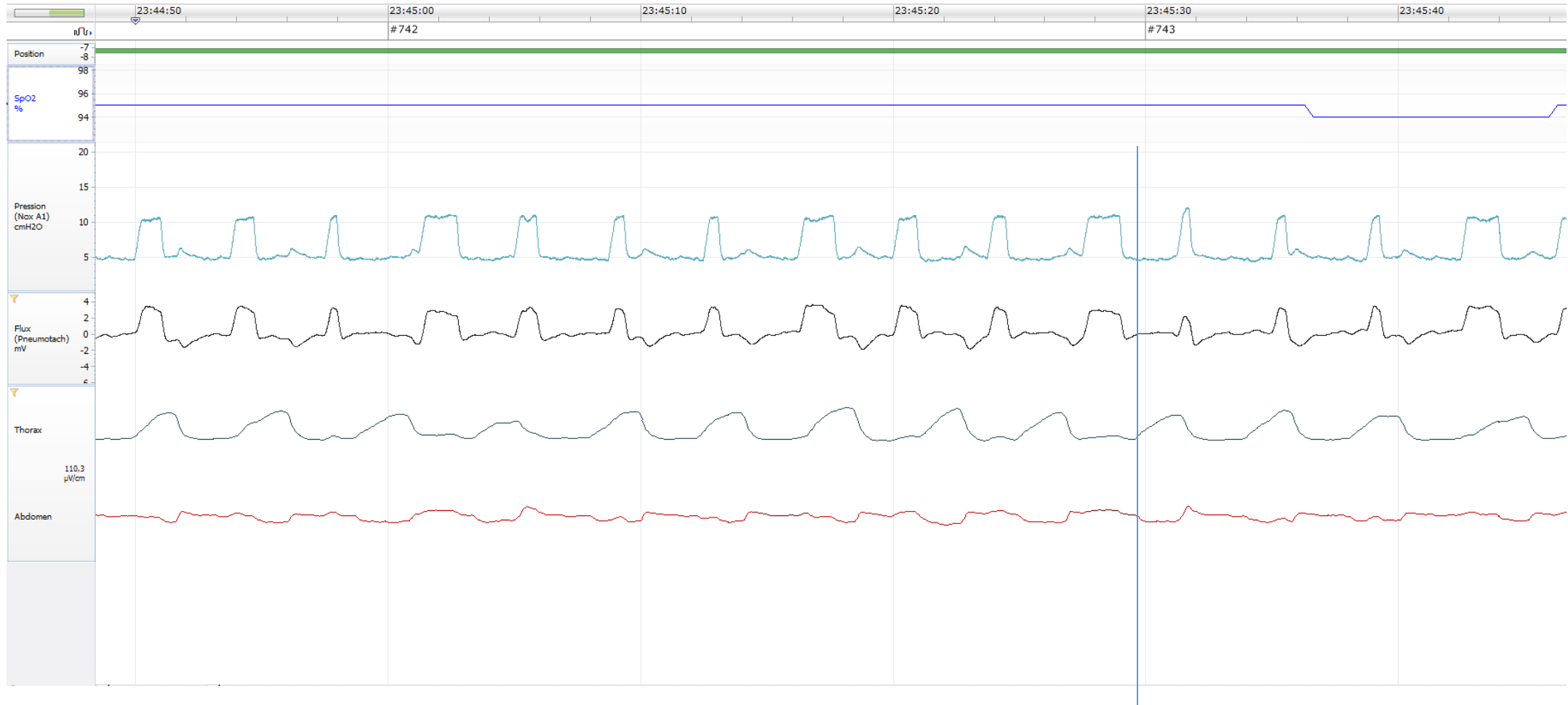


Mr L, April 26th 2016 – 1 min

Paraneoplastic neuromuscular disease (renal carcinoma)

Niveau 3

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

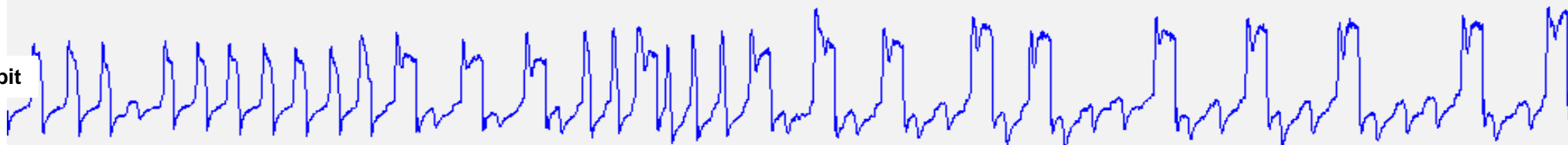


Niveau 3

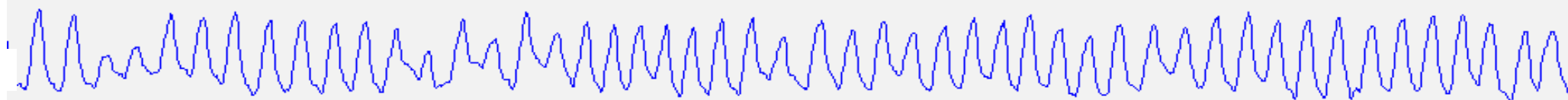
Pression



Débit



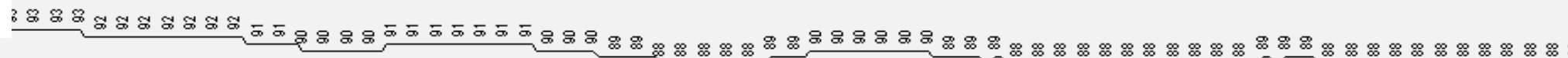
Th



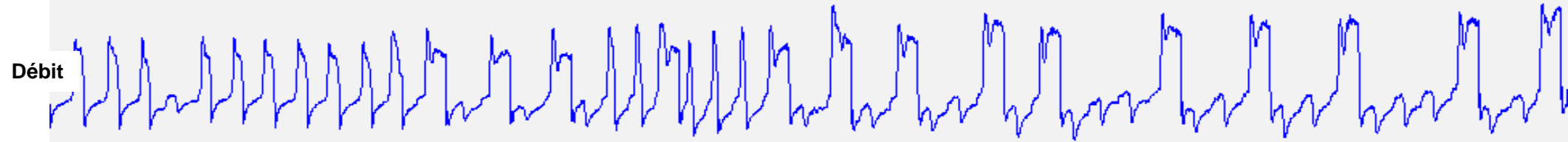
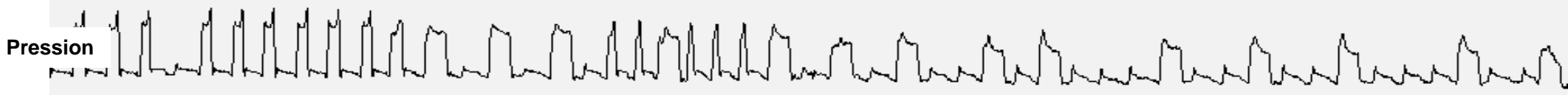
ABD



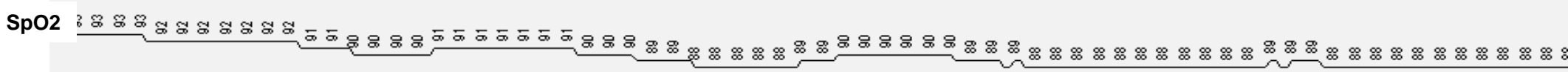
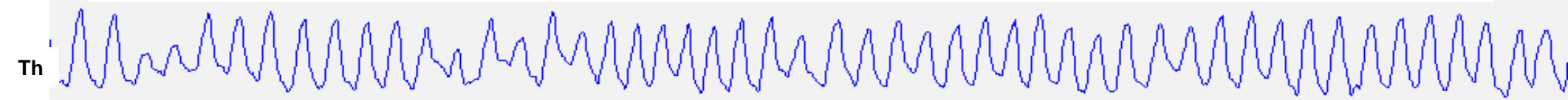
SpO2



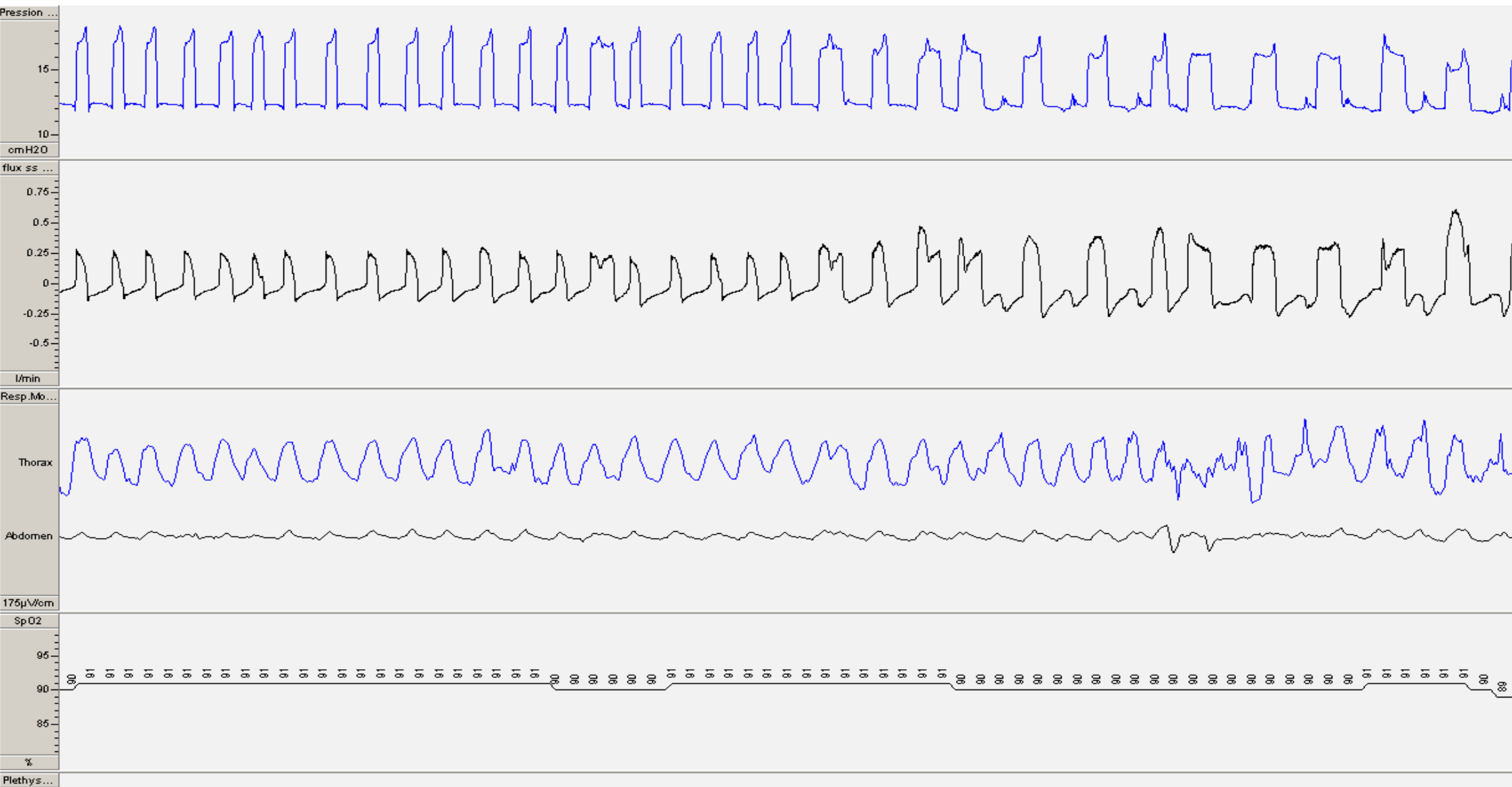
Niveau 3



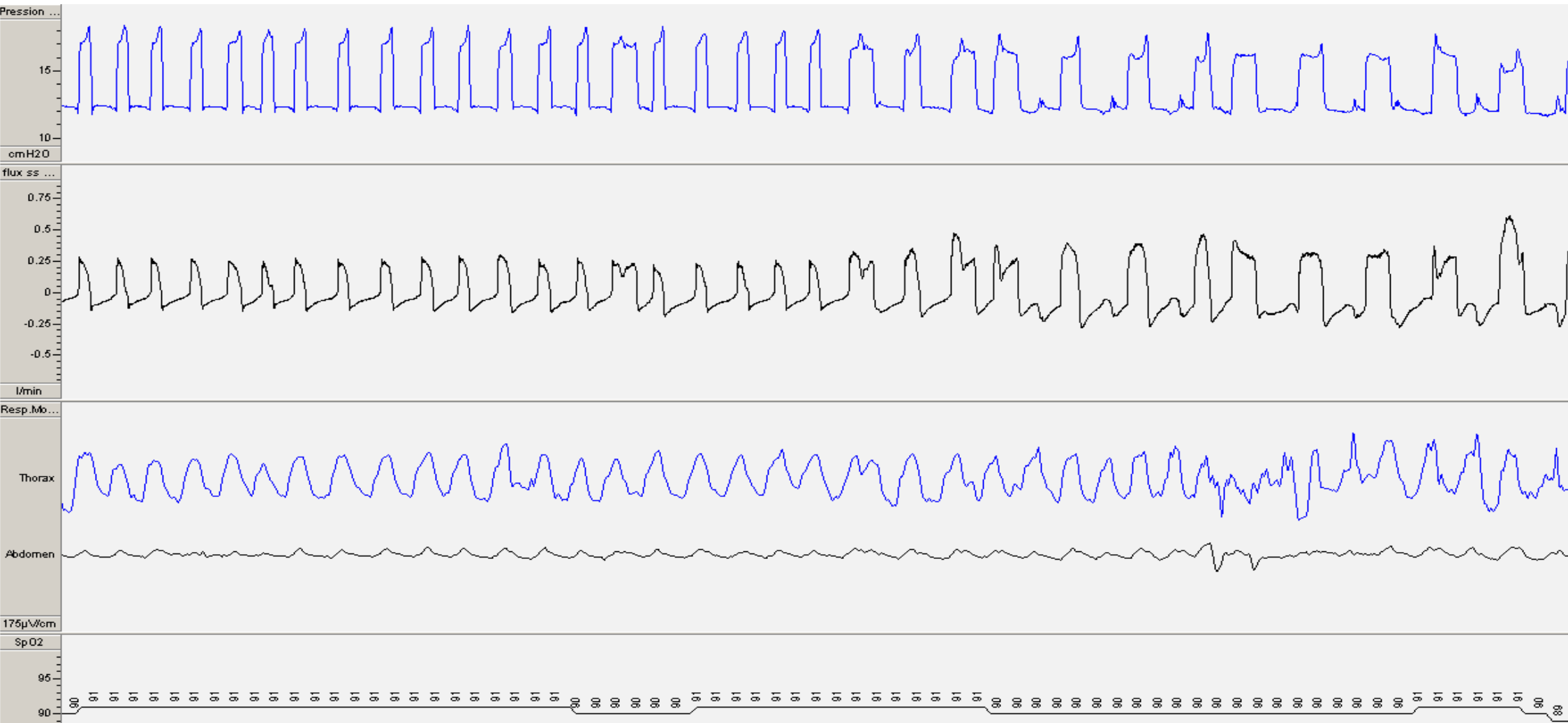
**BAROMETRIQUE, fuites non intentionnelles compliquées
d'efforts inspiratoires non récompensés**



Niveau 3



Niveau 3



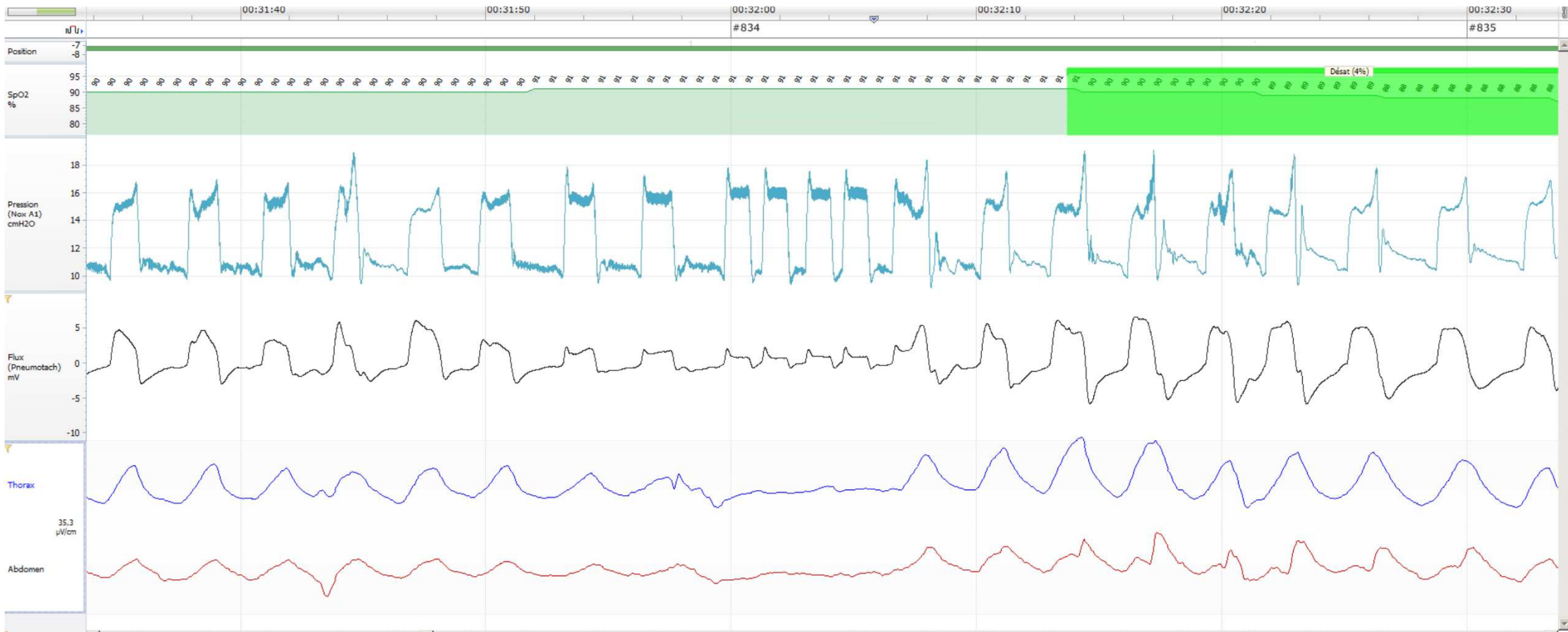
Fuites compliquées d'efforts inspiratoires non récompensés
avec participation active du patient (moindre diminution amplitude des sangles et participation
À l'augmentation de l'amplitude du débit)

Mr C.

Overlap syndrome

Mode ST, IPAP 18 cm H₂O, PEP 12 cm H₂O, 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

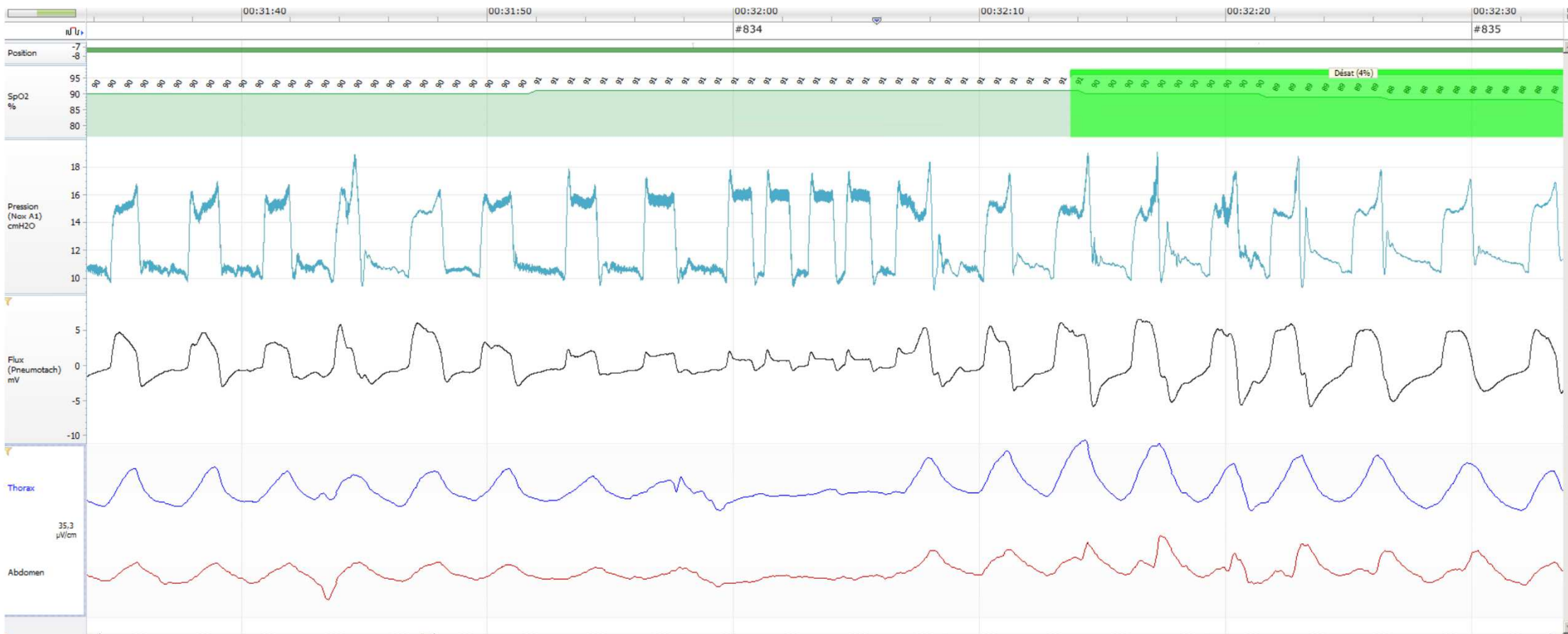


Mr C.

Overlap syndrome

Mode ST, IPAP 18 cm H₂O, PEP 12 cm H₂O, 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



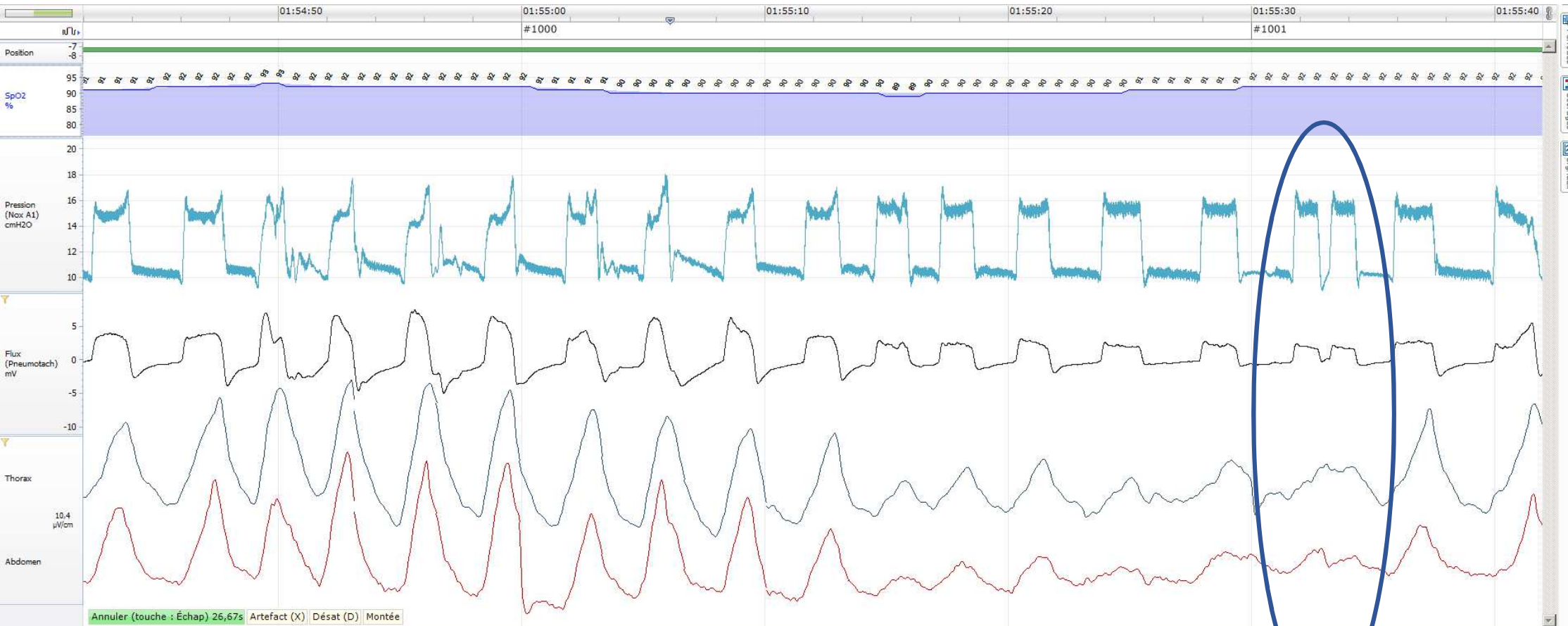
Obstruction des VAS avec diminution de la commande
Complicée d'autodéclenchement

Mr C. Overlap syndrome

Mode ST, IPAP 18 cm H₂O, PEP 12 cm H₂O, FR 14 c/min,

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

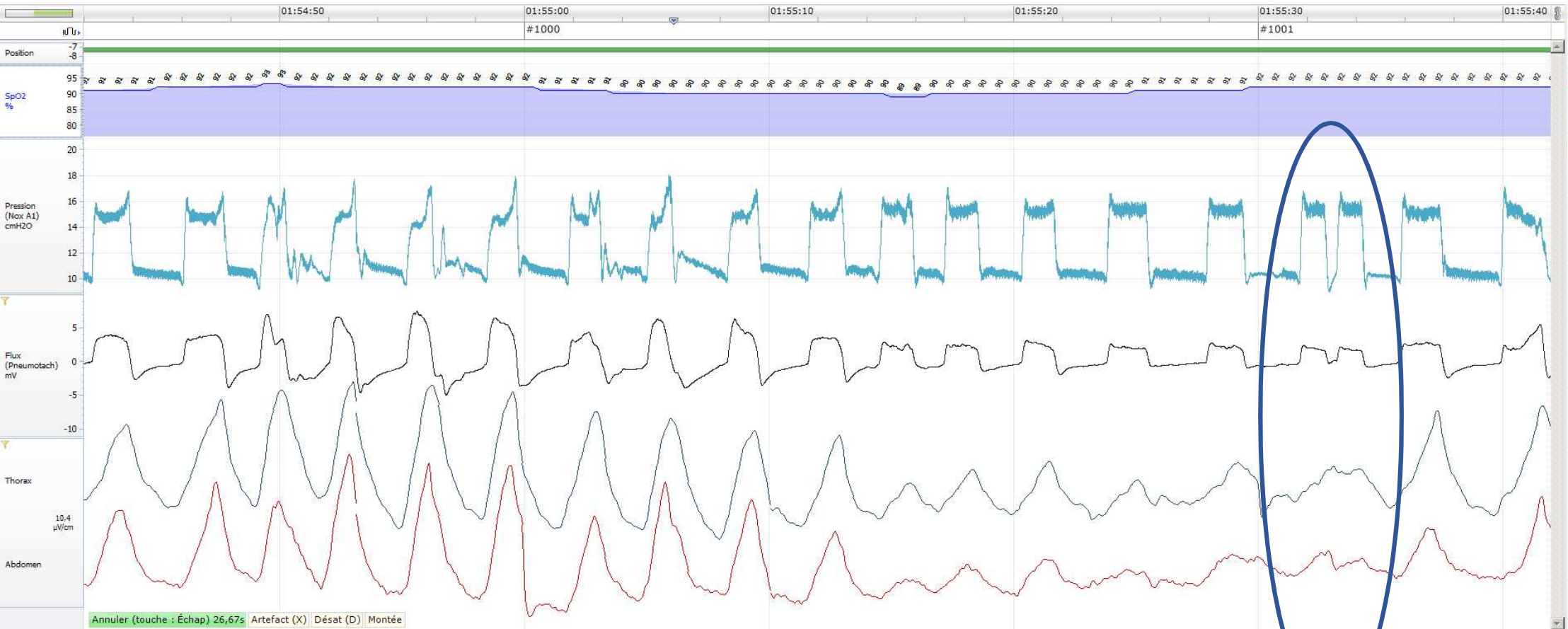
Niveau 3



Mr C. Overlap syndrome

Mode ST, IPAP 18 cm H₂O, PEP 12 cm H₂O, 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

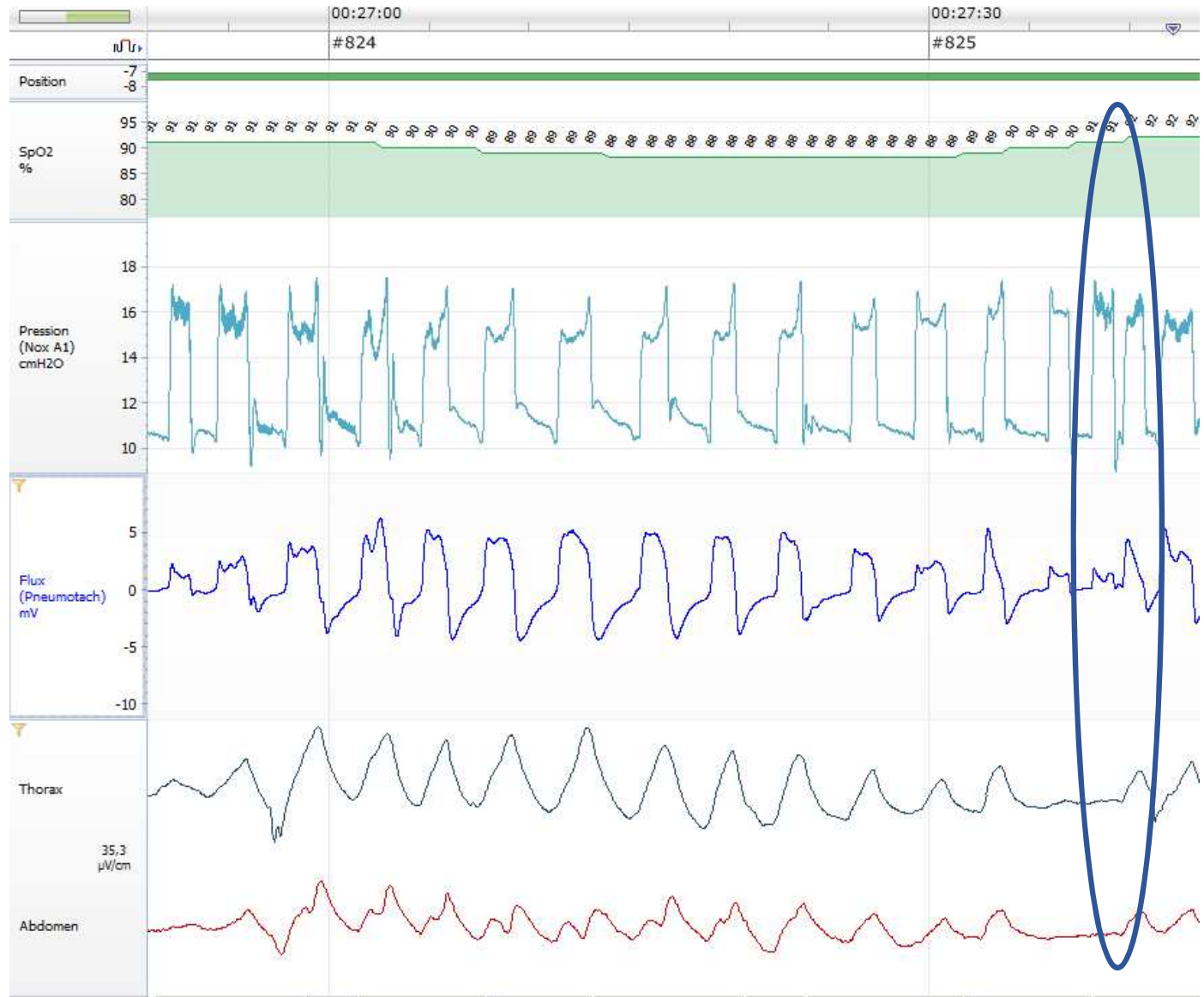


Obstruction des VAS avec diminution de la commande
et double déclenchement

Mr C., Overlap syndrome

Mode ST, IPAP 18 cm H₂O, PEP 12 cm H₂O, 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



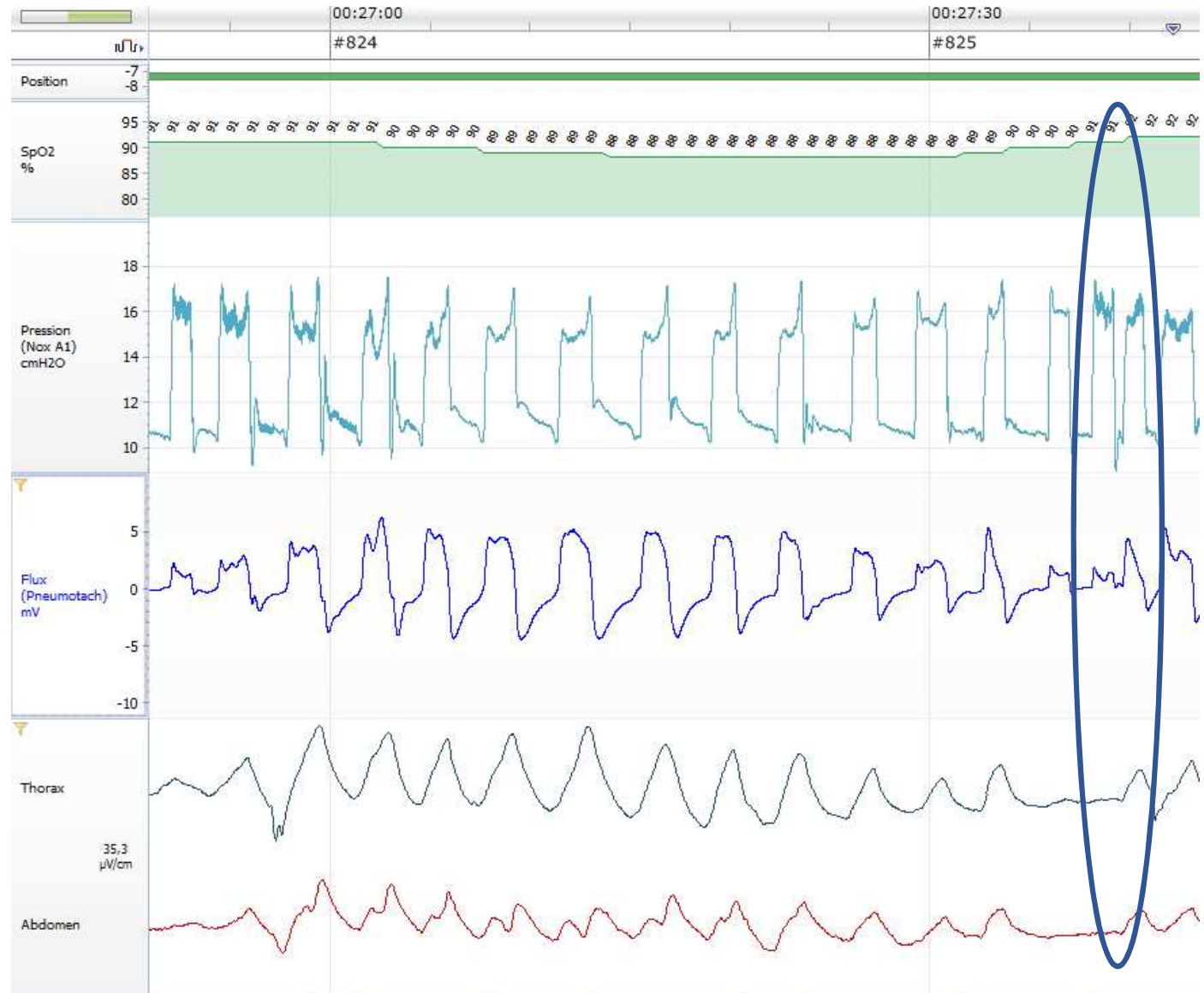
Mr C., Overlap syndrome

Mode ST, IPAP 18 cm H₂O, PEP 12 cm H₂O, 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

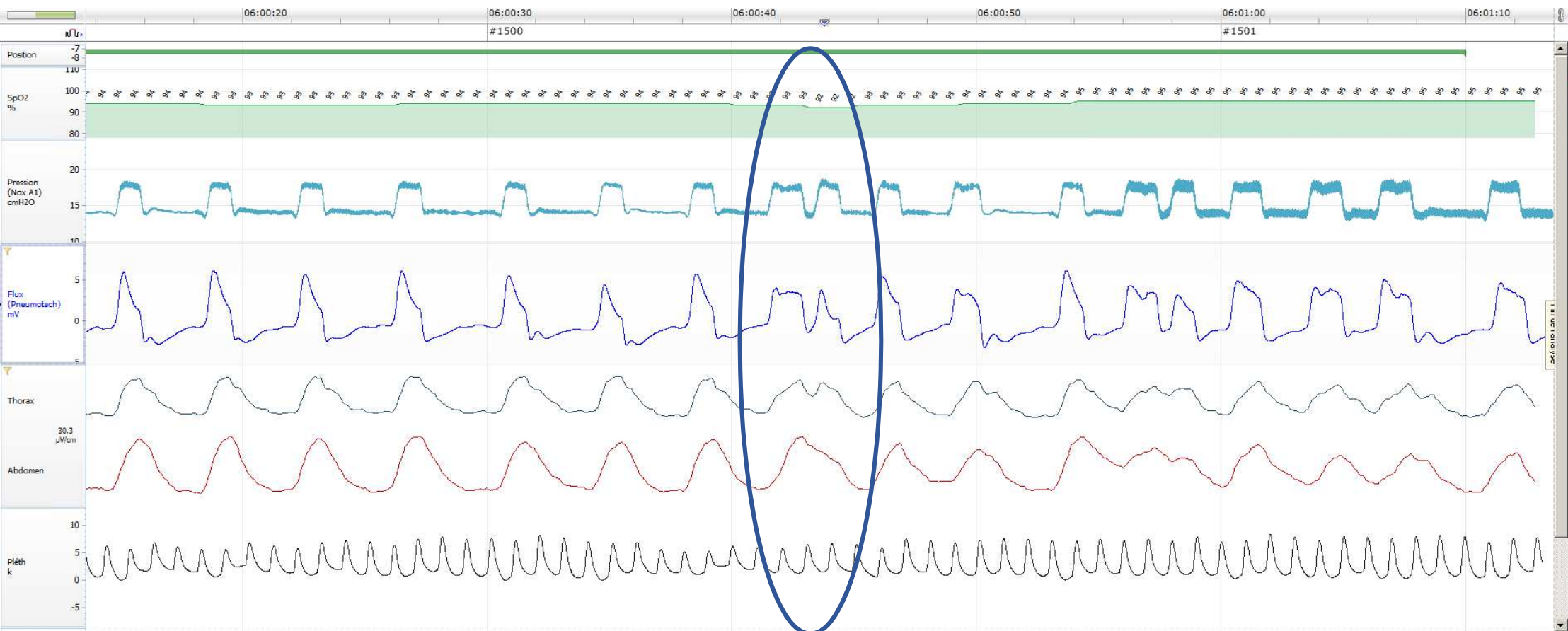
« Uncoupling » sur obstruction des VAS avec diminution de la commande



Mme S. SLA bulbaire

Niveau 3

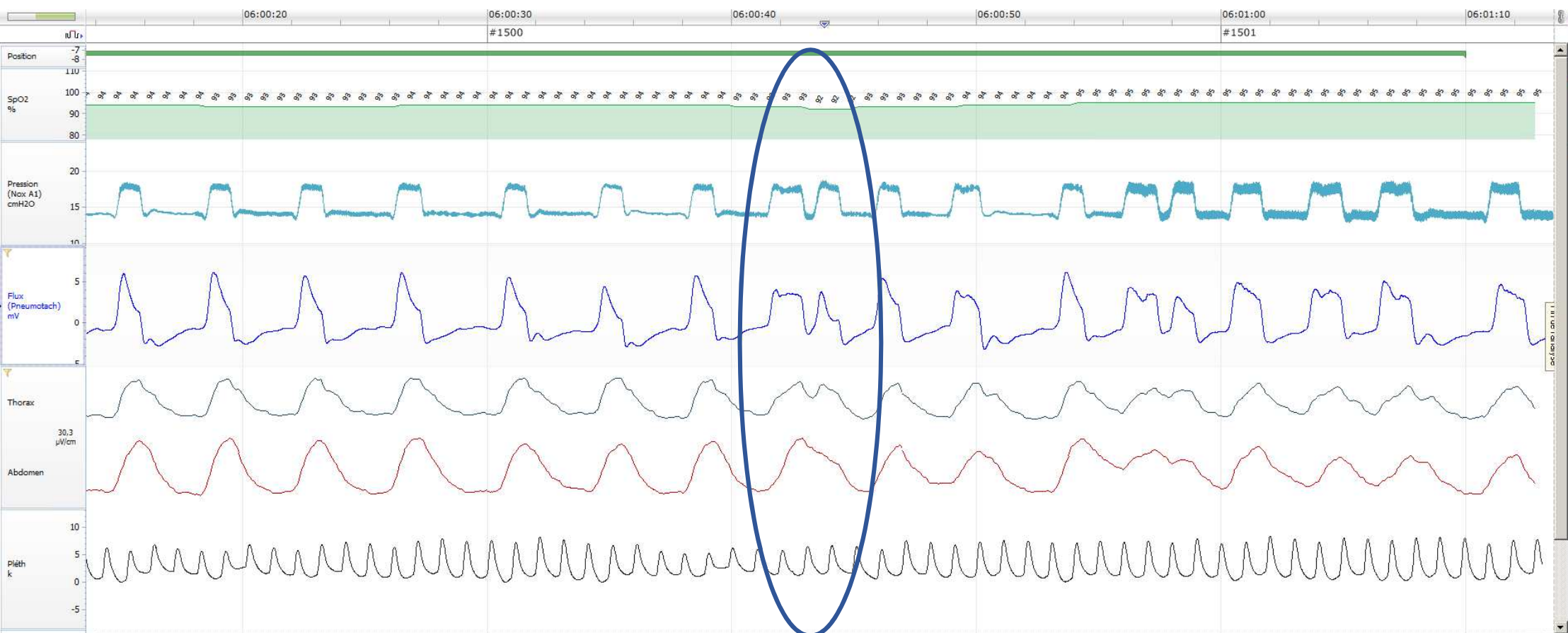
Mode ST, IPAP 18 cm H₂O, PEP 14 cm H₂O, FR 20 c/min,
Ti min 1 sec, Ti max 1,4 sec, Pente Insp 150 msec, S. Trig I Hte, S. cycl hte



Mme S. SLA bulbaire

Niveau 3

Mode ST, IPAP 17 cm H₂O, PEP 14 cm H₂O, FR 20 c/min,
Ti min 1 sec, Ti max 1,4 sec, Pente Insp 150 msec, S. Trig I Hte, S. cycl hte

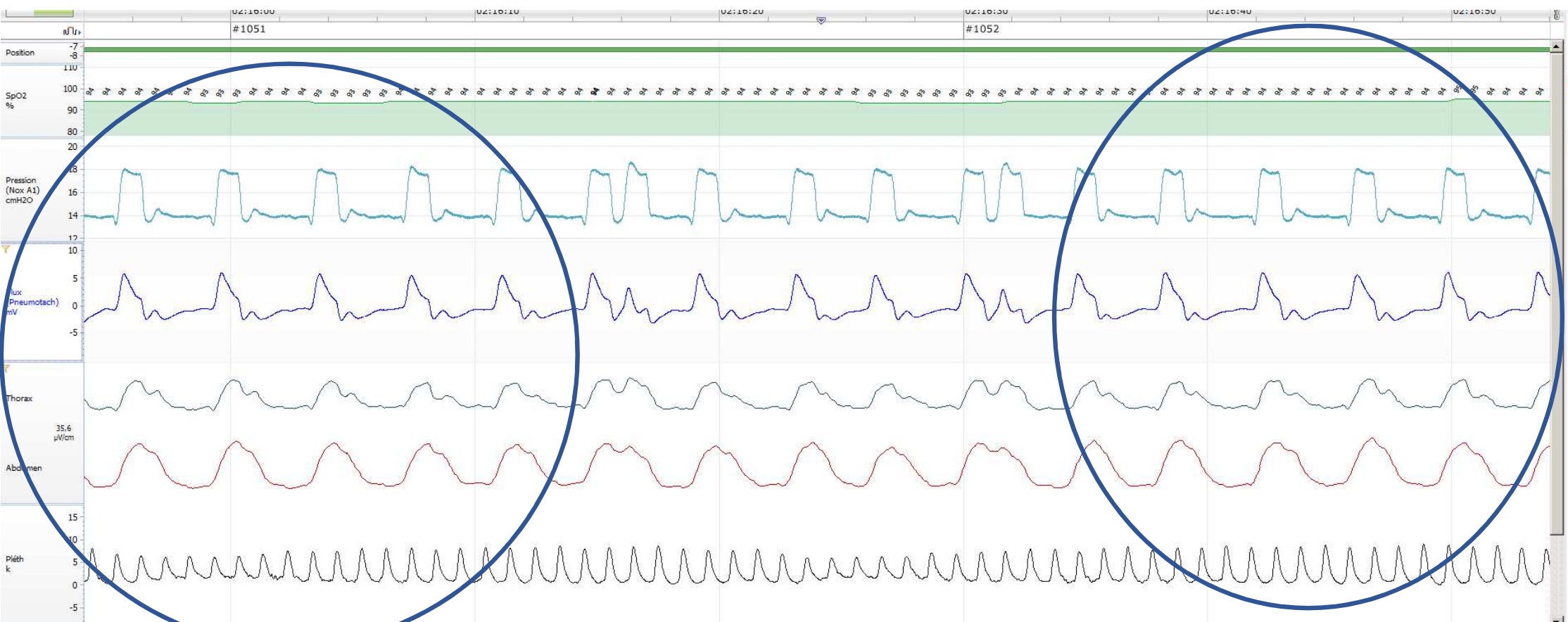


« Reverse triggering »

Mme S. SLA bulbaire

Mode ST, IPAP 17 cm H₂O, PEP 14 cm H₂O, FR 20 c/min,
Ti min 1 sec, Ti max 1,4 sec, Pente Insp 150 msec, S. Trig I Hte, S. cycl hte

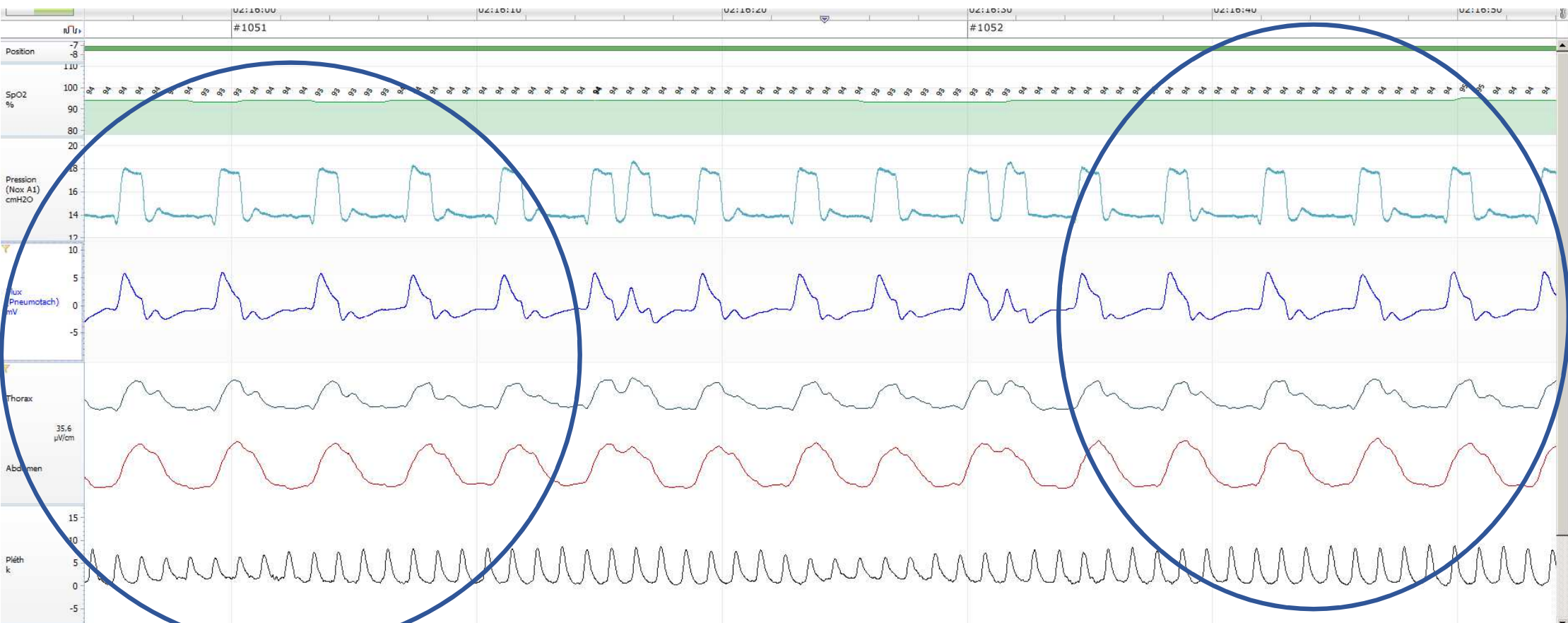
Niveau 3



Mme S. SLA bulbaire

Mode ST, IPAP 17 cm H₂O, PEP 14 cm H₂O, 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 »