Les principaux modes ventilatoires

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CHU Nord



MODES VENTILATOIRES

VPC	VAC+	IPAP	PC	VACI+
	Automode			
VACI	VCRP	CPAP	ASB	MMV
A	VS PAC		VPAC	
Autoflow		AI		VS-AI-Vt mini
VIV	VA VA	IC VC	APL	APRV
VS-PPV	PACI PA	TC	PSV	APV
SIMV VPS	VAIV	VPL PPS	PRVC	BIPAP
VA	APS BILEVEL	ATC	EPAP	SPAP
PAV	DILLVLL	ASV	VPC	

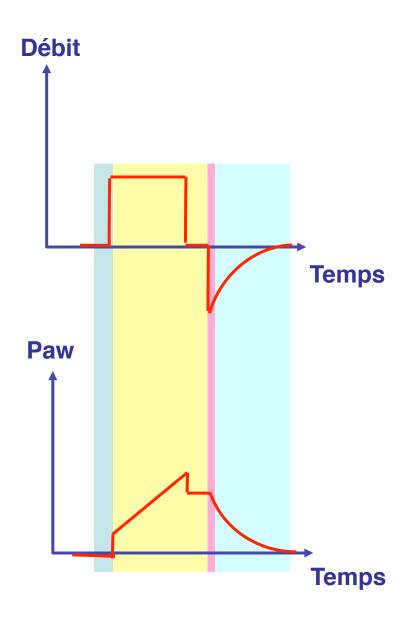


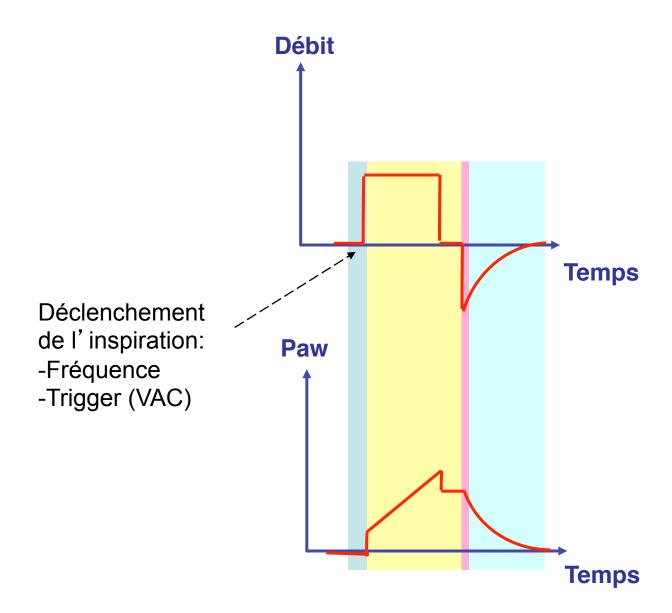


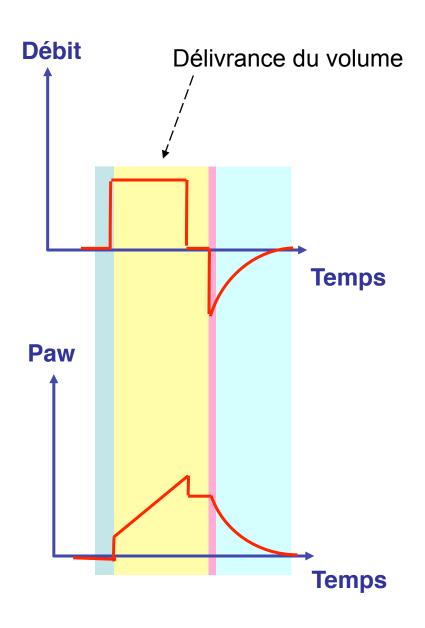
Modes contrôlés	Modes assistés	Modes spontanés
		-
		•

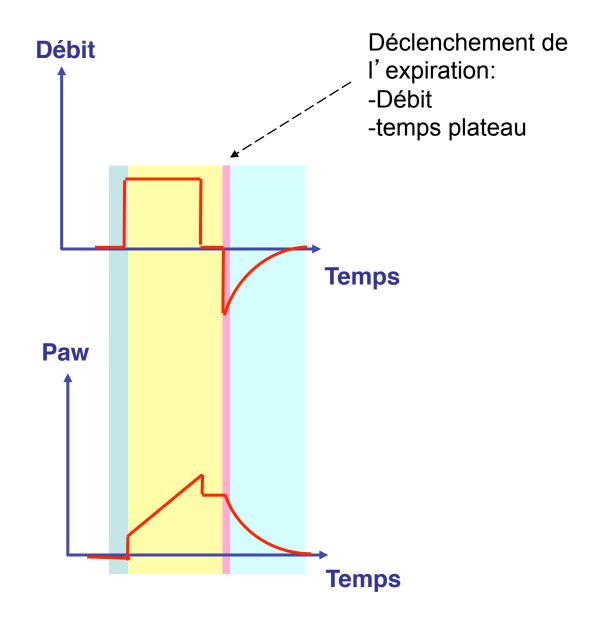
Consigne en pression

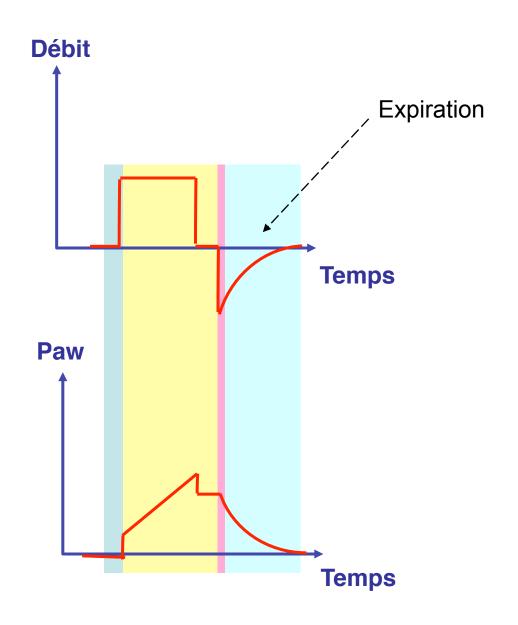
Volume contrôlé (VC) Volume Assisté Contrôlé (VAC)



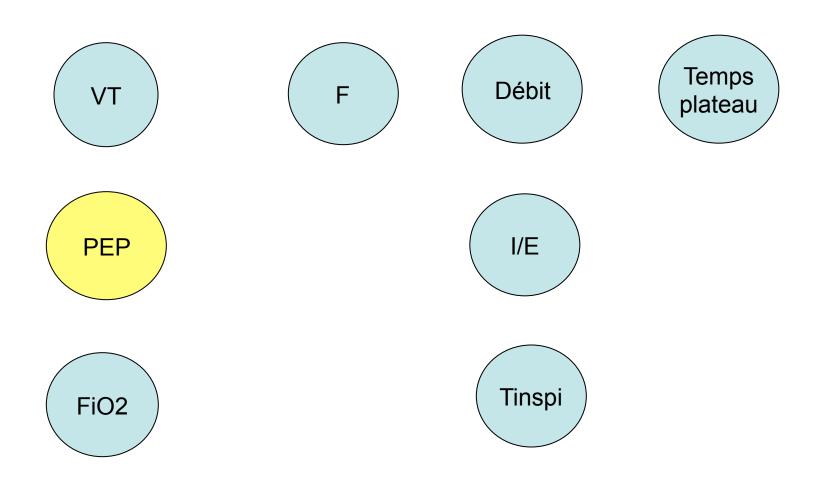




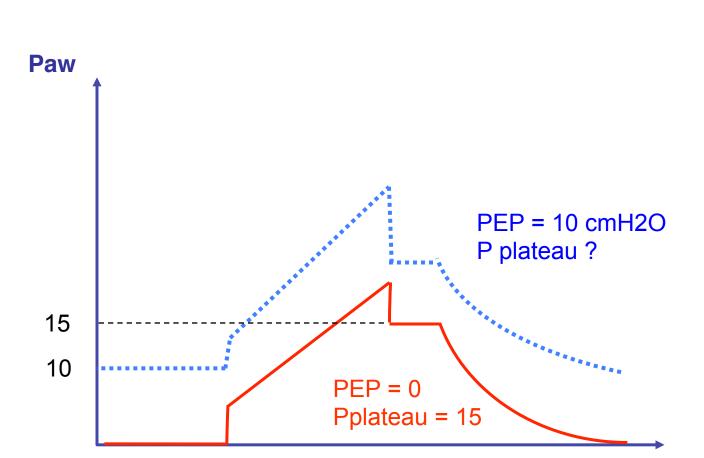




Les réglages de la VC

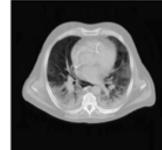


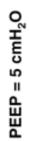
Pression Expiratoire Positive

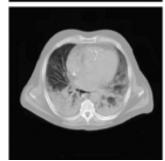


30 cmH₂O

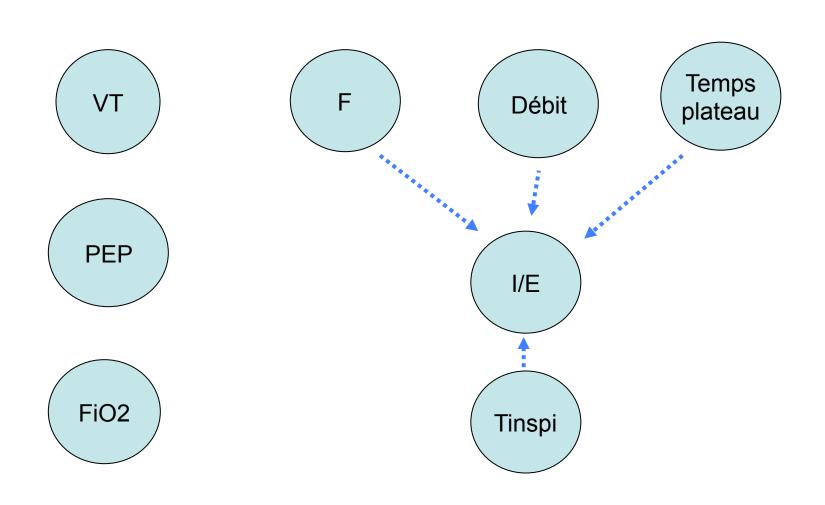




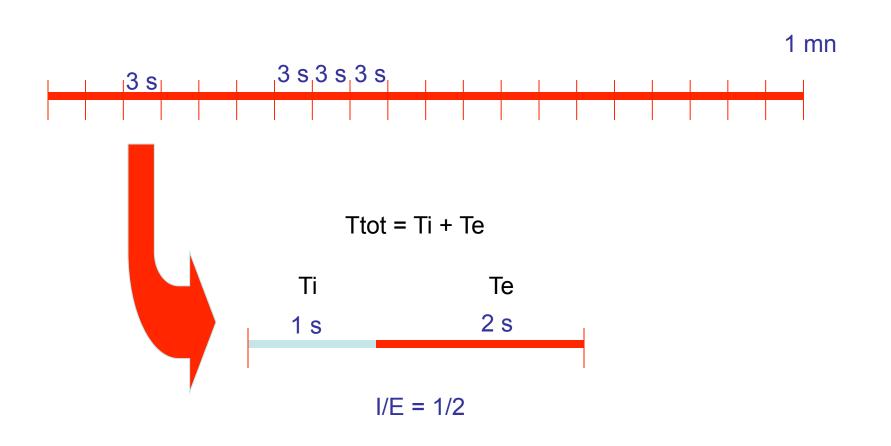


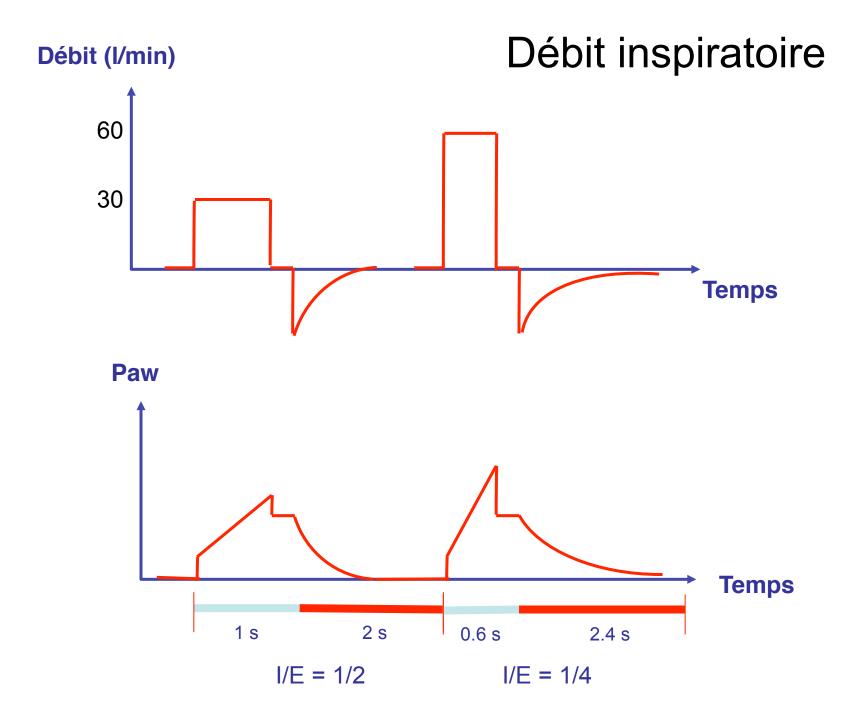


Les réglages de la VC



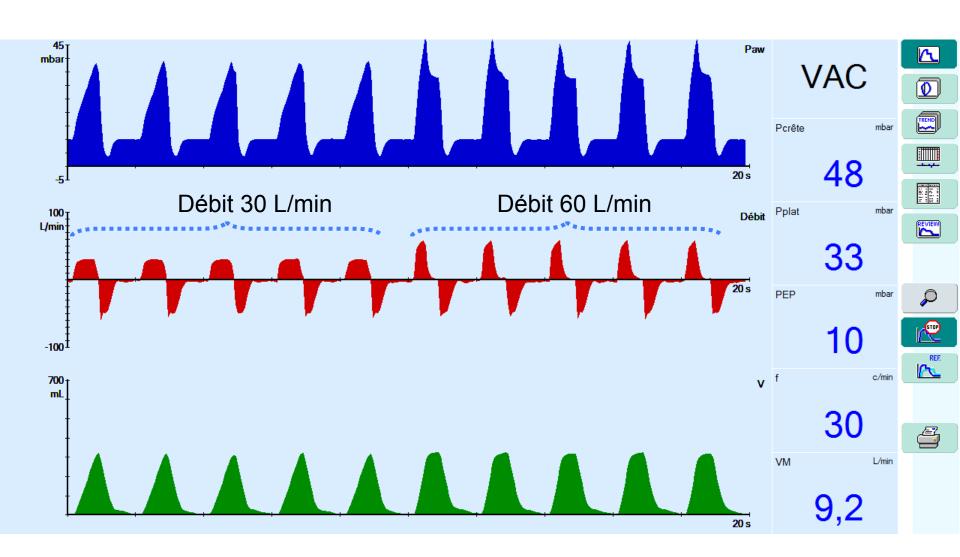
Fréquence respiratoire = 20 /min



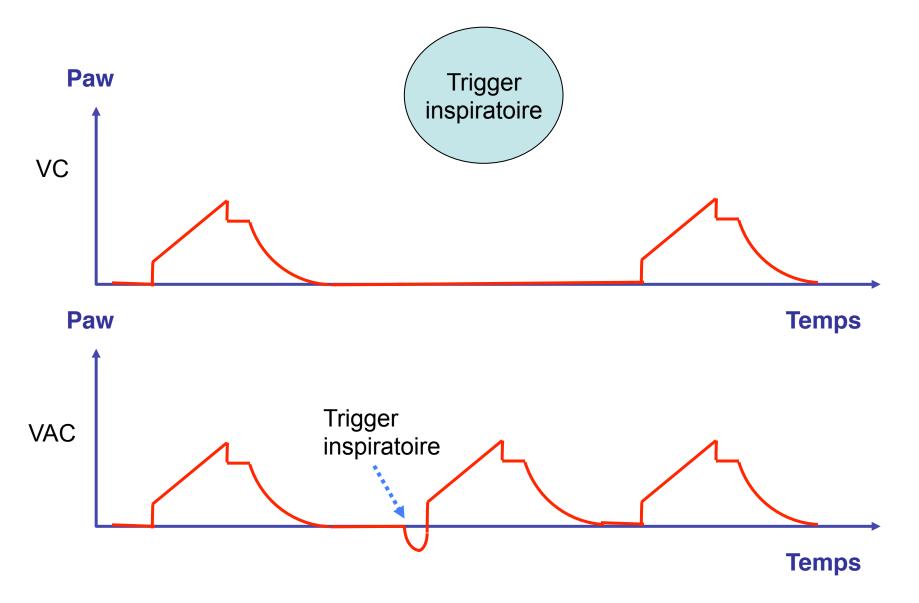


Débit inspiratoire

T inspi = 0.75 sec



Différence VC - VAC

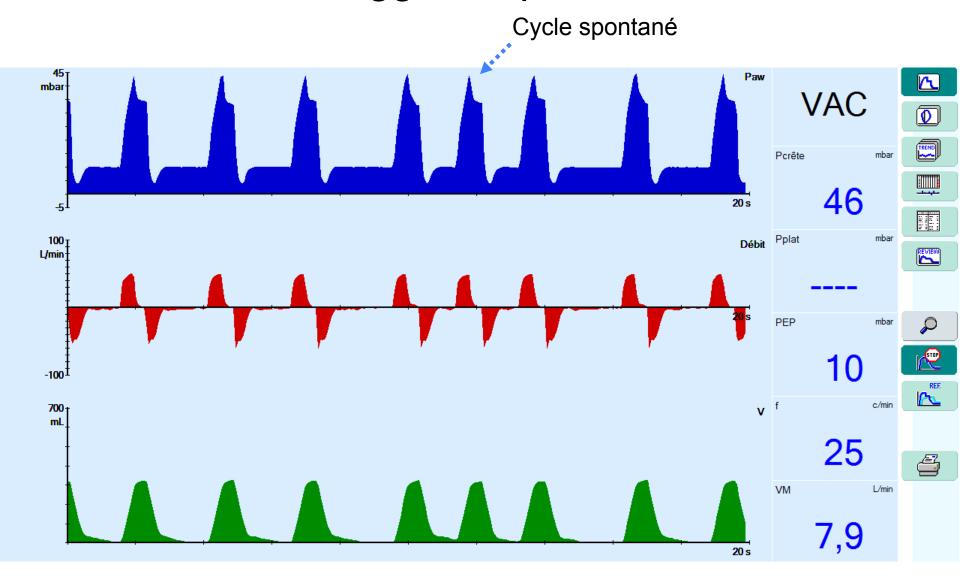


Trigger inspiratoire

Dépression ou débit de gaz inspiratoire, crée par la contraction des muscles inspiratoires du patient, qui déclenche l'inspiration

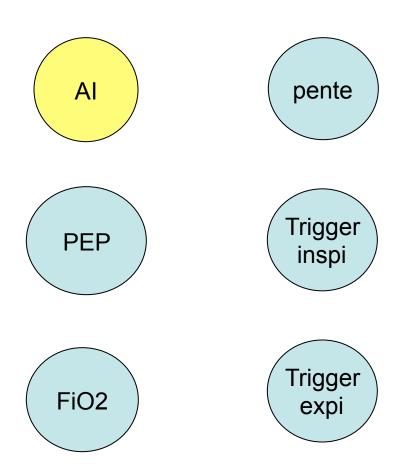
Trigger en débit : le respirateur laisse circuler un certain débit de gaz dans le circuit pendant la pause respiratoire. Lorsque le débit du côté expiratoire du circuit est plus petit que celui du côté inspiratoire, le respirateur sait que le patient a débuté une inspiration.

Trigger inspiratoire

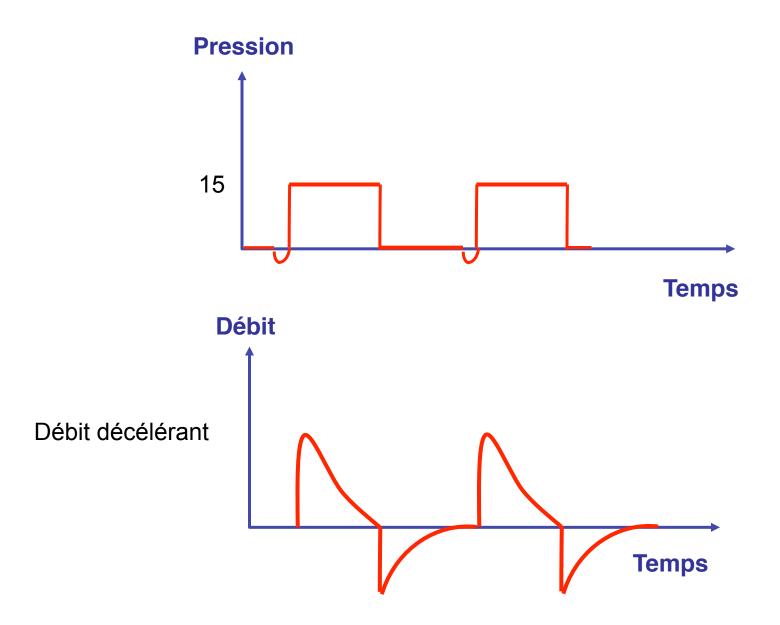


Aide inspiratoire (AI) Pressure support Pression assistée

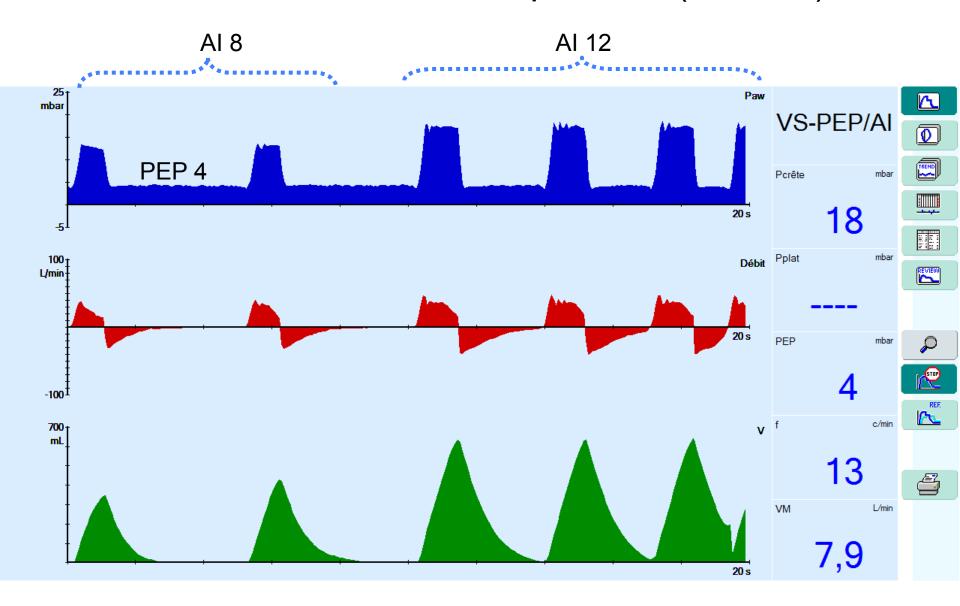
Les réglages en VSAI



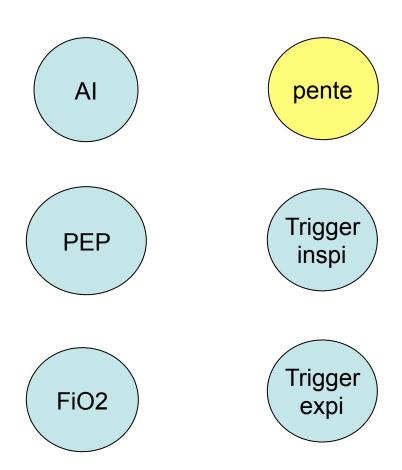
Pression = aide inspiratoire (cmH2O)



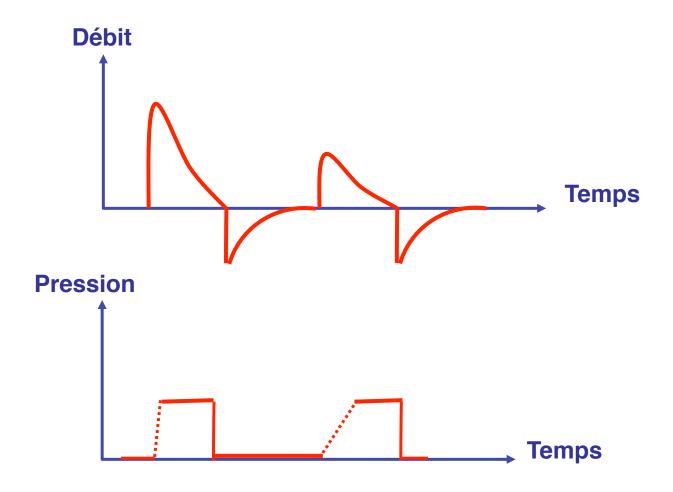
Pression = aide inspiratoire (cmH2O)



Les réglages en VSAI

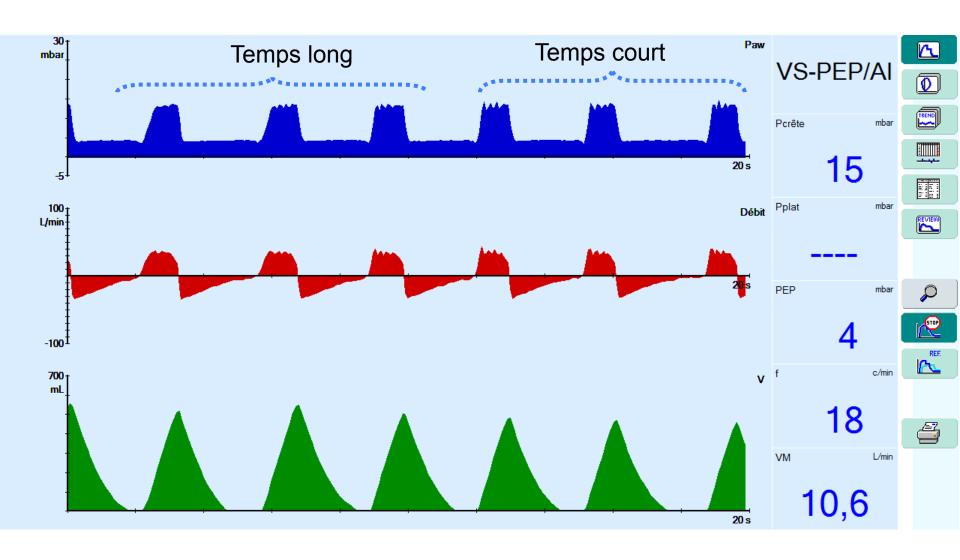


Pente en VSAI = temps de mise en pression (0-200 msec)

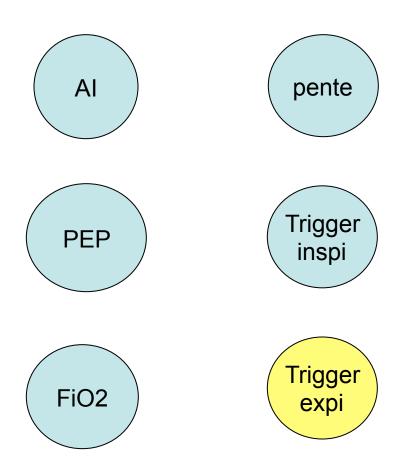


- Permet de mettre en adéquation la demande du patient et l'offre du respirateur
- conditionne le débit maximum atteint (jusqu' à 200 litres/min)

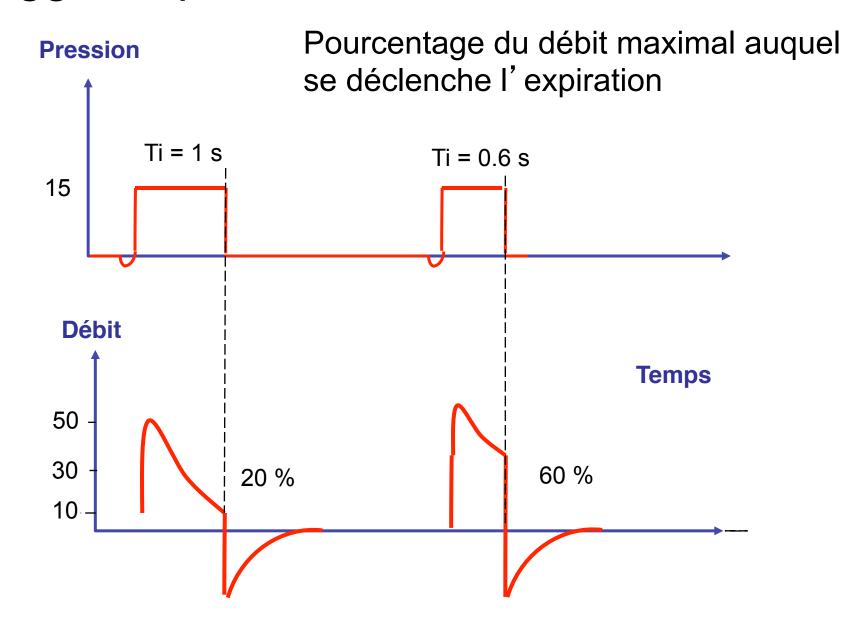
Pente en VSAI = temps de mise en pression



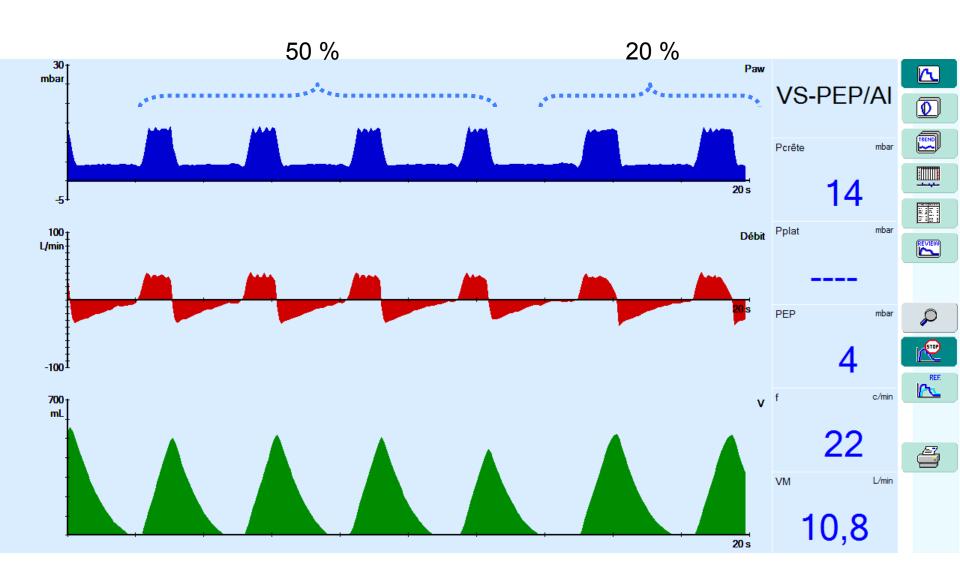
Les réglages en VSAI



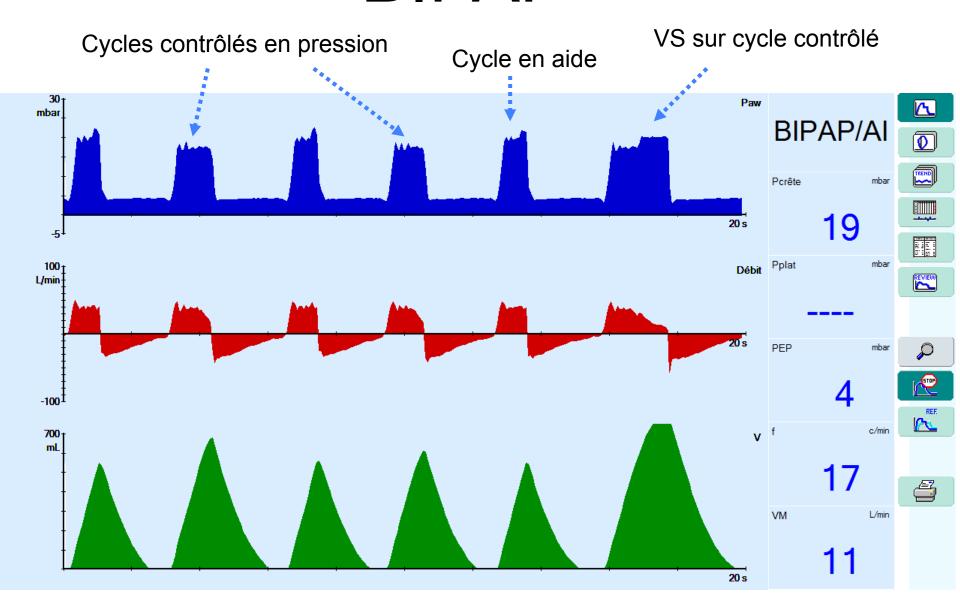
Trigger expiratoire en VSAI



Trigger expiratoire en VSAI

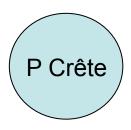


BIPAP

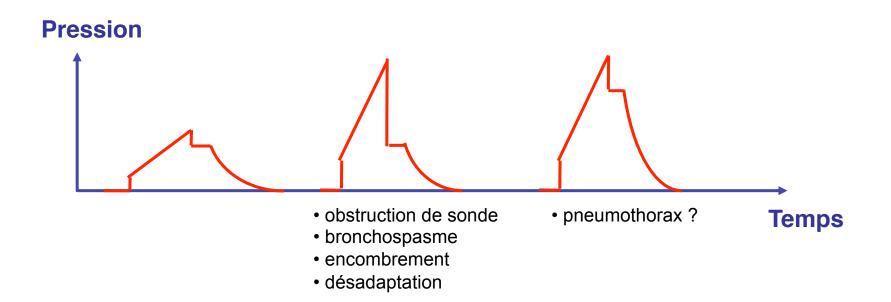


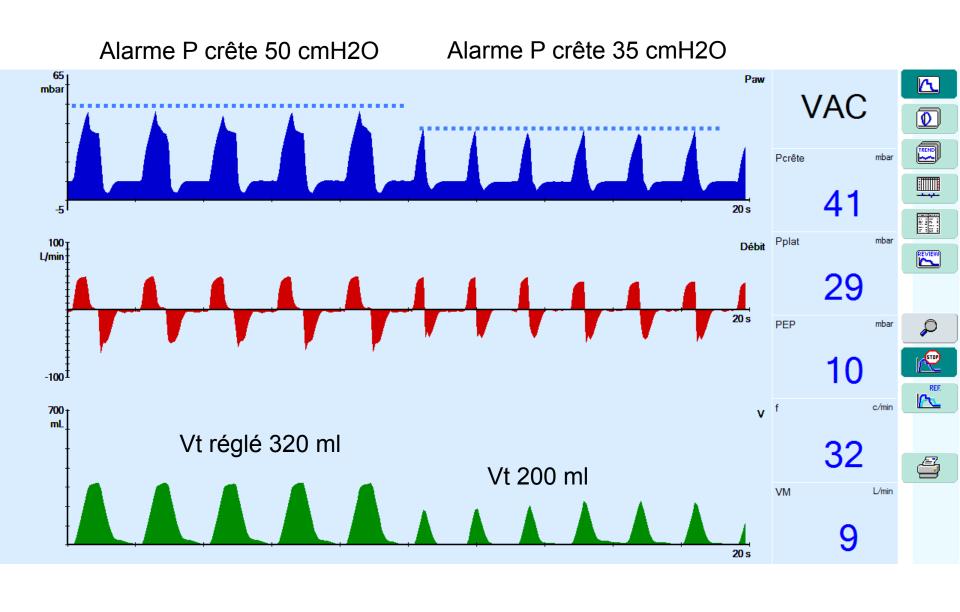
Surveillance de la ventilation mécanique

Surveillance en VC – VAC

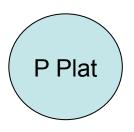


dépiste : obstruction +++, désadaptation

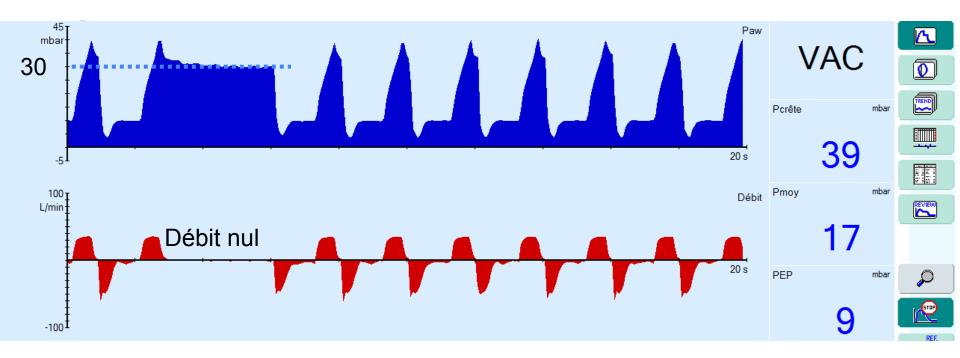




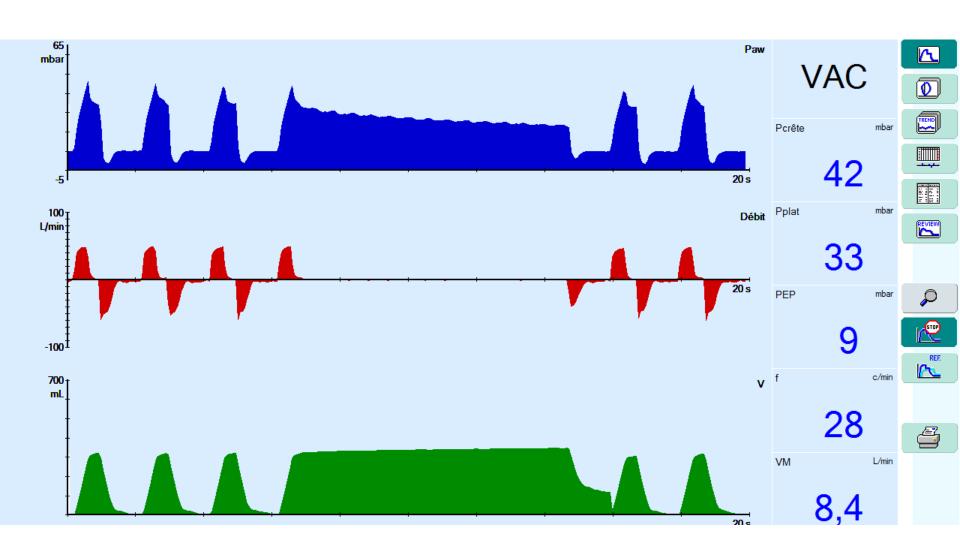
Surveillance en VC – VAC



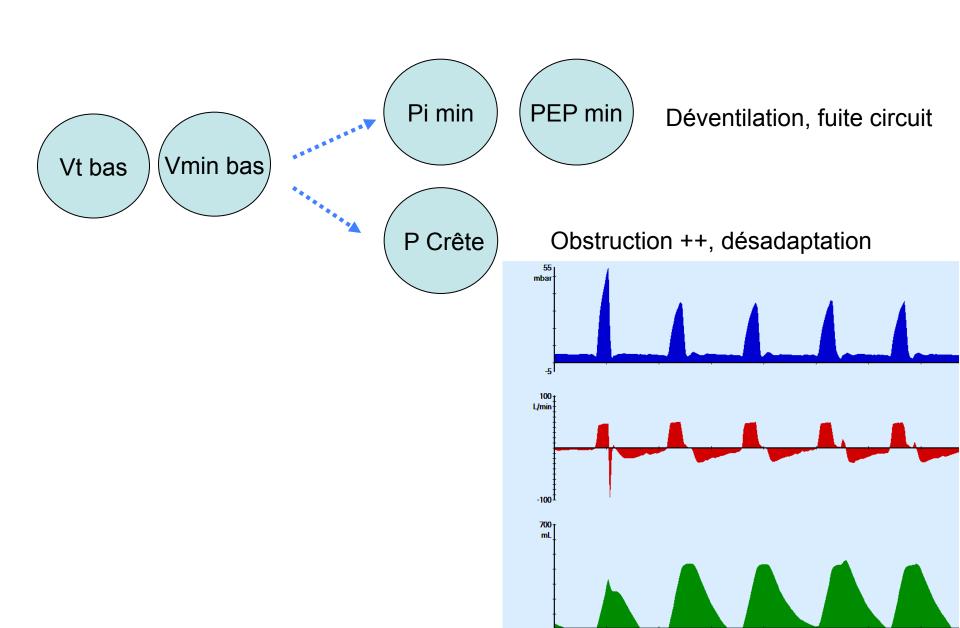
- Intéressante car Pplat reflet du caractère délétère de la ventilation si élevée (> 30 cmH2O)
- fournie de façon continue sur certains ventilateurs si plateau réglé
- mesurée le plus souvent en effectuant un plateau (pause inspiratoire)



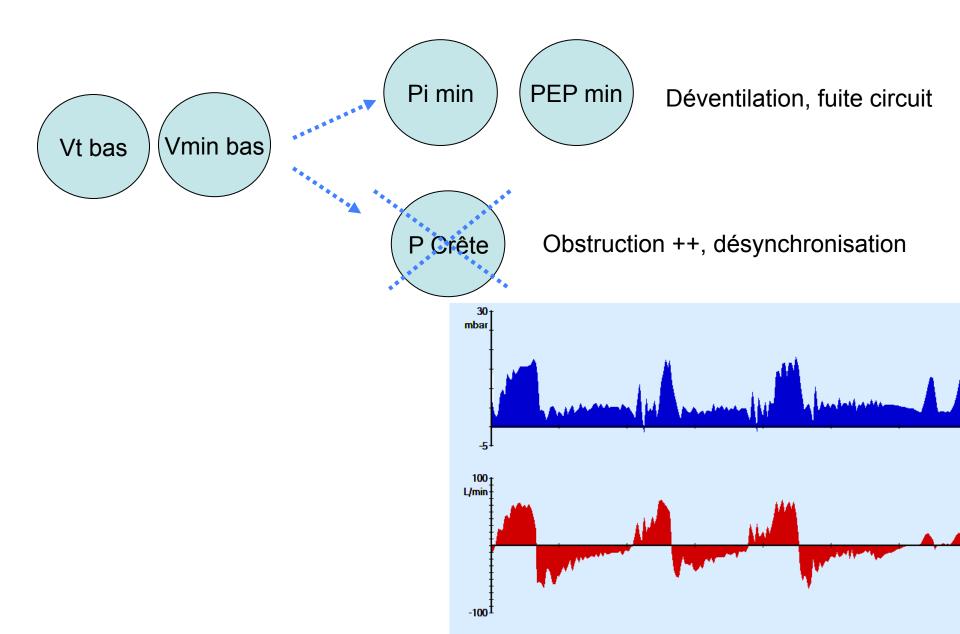
Pression de plateau : fuite aérienne

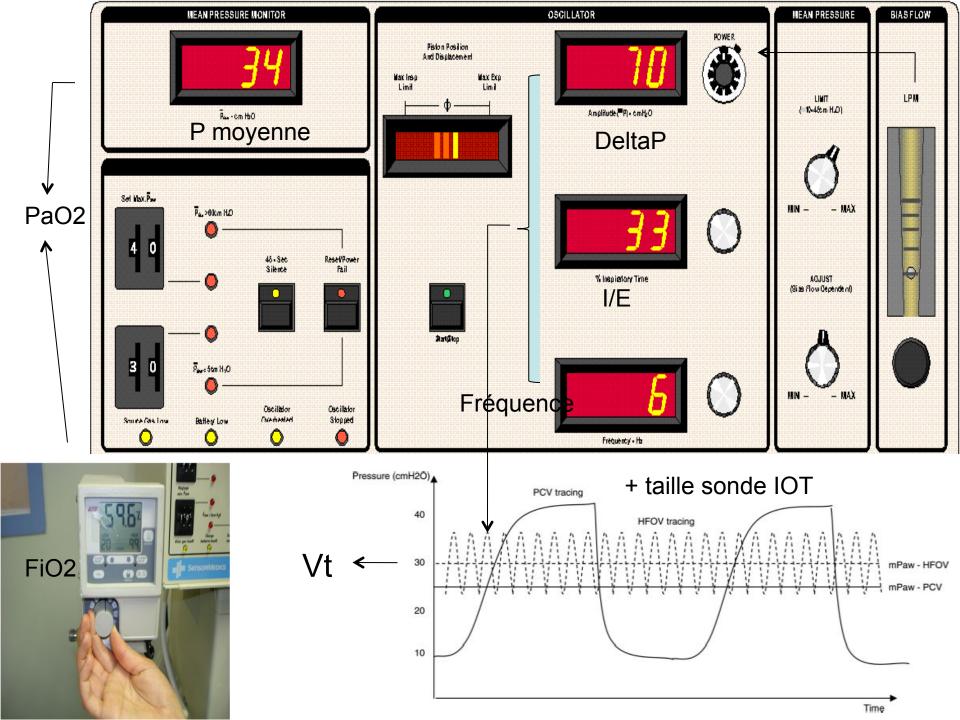


Surveillance en VC – VAC



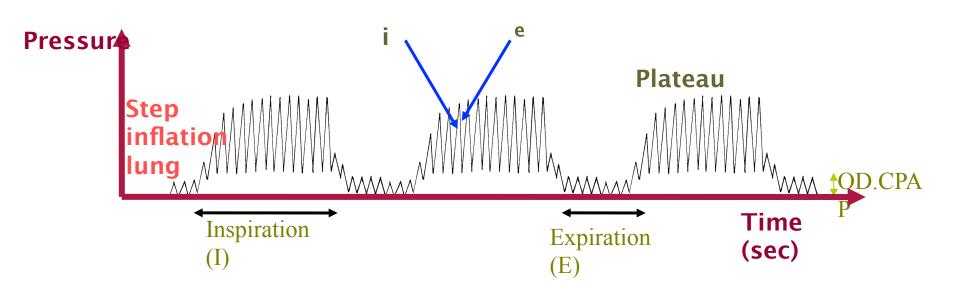
Surveillance en VSAI







HFPV



Merci de votre attention