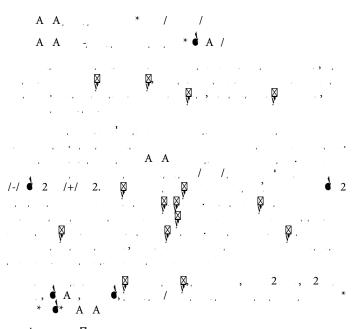
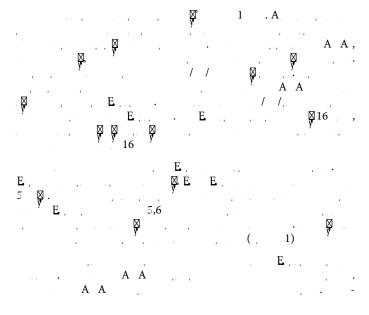
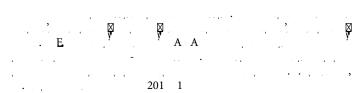
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#### NAVA – basic concepts





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# Points of attention in synchronization during providing mechanical ventilation

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Ι.		./,		• · ·	× 1		X Y	· ·
	X Y							

mprovement of patient-ventilator synchrony with NAVA	Volume, Delway, Posticize/
A A,	40 Upper press, the back of th
E E	P (pressure)
	Edi
	Figure 3: V[  <sup>°</sup> { ^ å∧¦iç∧¦^.
	<b>Table 2</b> : W <sup>®</sup> [ c[ ç^}ci∣æc^.
	Sc*å^ ]   [c[&[ : Pi [c] ]   [•]^&ciç^
	INCLUSION CRITERIA: V^}αi/æc^å ]æci^}c● ,io® RDS , @[ æł^ æçæi/æà/ c[ àl^æc®^ •] [}cæ}^[ ̆ ● ˆ æc c®^ { [ { ^}c [ - å}&  ˘ •i [ } å} c®^ •c´à^
	Slabile hemodynamics
y y y y y y y y y y y y y y y y y y y y	O2 }^^å• çæliæci[}• The presence of abdominal distension or a trace of an extra alveolar ga &[  ^&cii[}, æ• æ&&^]cæà ^
. 13	22 &æ•^• @æç^ ]¦[&^^å^å å} €, [ *¦[č]•
A A	1. NAVA i}çæ∙iç^ { [å^æ-c^¦æ]]i&æ∞i[} [- PSV
A A , E ,	2. NAVA } [ }-å}çæ•åç^ ç^}ci æαί [ } å} •c^æå [~ CPAP- ç^}ci æαί [ }
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Table 3: A]] i&æci[} [- NAVA . ]æci^}c]æcc^;}.
	Bảic@ , ^ă*@c . 500 *- 3800 * (æç^¦æ*^ 1790)
E. 2.1 ( 3)	G^•cæci[}æ æ*^ 24,4- 39, 6 ,. *.(æç^¦æ*^ 31.6)
,, , , , , , , , , , , , A A , 🕅	G^}å^¦ 66.7%- à[^• ( N= 15)
	Š˜¦-æ&cæ}cæ]] å&æci[} å} 72 % [- &æ•^•- 16
14.	T^]^æ}å •^ç^¦‰^ [~]ĭ {[}æ¦^]æc@[ [*^
Ε	C[}&[{iœ}}c åi●^æ●^●
	$Da^{\bullet} \dot{a}_{[!}^{\bullet} \dot{a}_{\hat{a}}^{[!} \bullet ([]) \dot{a}_{\hat{a}}^{*} \dot{a}_{\hat{a}}^{*}$
Y Y Y	Oxygen needs and ventilator parameters
· · · · · · · · · · · · · · · · · · ·	Table 4: Si* }• [¦ S^ }&@![}^.
	A••^•• { ^}c [-c@^ NAVA ^ ^&c
y y y y y	S^~`^}ciæ &@æ}*^ [-i}çæ•iç^ { [å^• c[ c@^ •æ {^ àæà^ c[ NAVA* CMV -[¦ 15 {i}
· · · · · · · · · · · · · · · · · · ·	C@[[•i}* c@!^^ 3- @[`!• ]^!i[å• å`!i]* c@^ åæ^ (c@^ •æ {^-[!^æ&@ àæ: æ• i} c@^ ,!•c 15 {i}`c^• c[ !^*i•c^! c@^ •æ {^ i}åä&æc[!•
en e	N.B. M[å^• [- MV &æ} à^ &[ { ]æ¦^å _i∞@ çæ¦i[ ´• ¦^• ]i\æc[¦•, ^ç^} _i∞@ [ č NAVA ⊱ [ } ^ æ} Eåi &æc@^c^! i• ] æ&^å
Ŷ	Våå^[ ¦^&[¦åå}* ,šc@ ,^à&æ{•c[ æ&&[ `}c-[! ]^!å[å•[-æ•^}&@![}å•{
, ( 4) , ( 4)	A A

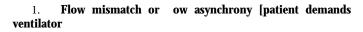
	CV	NAVA
Trigger	Start of breath Ræc^ +/ - Bæ∙^å [}æ]æcå^}q∙ ^ [¦c∙	Scætc [-à¦^æc®-àæ∙^â [}æ]æci^}q•ålåç⁄ Ræc^ T in PIP End of breath
C[}c[[/•	PEEP FiO2 PIP/ Vc T in T ^¢/ ăັ'#∞i[ } [- c@^ à¦^æc@ &^& ^	PEEP FiO2 NAVA level
Synchrony	Start or breath	Start or breath Si:^ [- à¦^æc®- PIP Dັ'iæci[} [- æ ¦^∙]åiæc[¦^ &^& ^

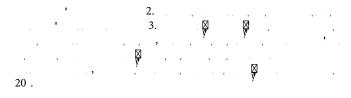
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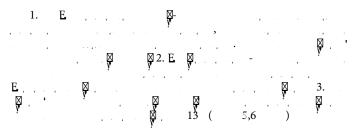
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### **Flow Delivery**





## Timing

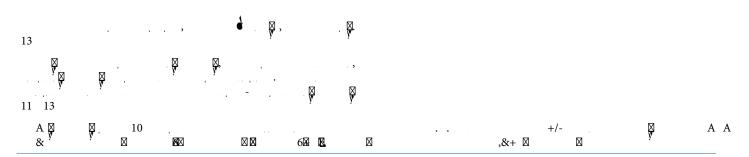


## Patients

		22	e .			X
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<b>4</b> 5%	,	12 <sub>=</sub> 54%.'		· • · •	A A 22 13,6%, A	6
X		- 45%,		%,	13,6%, 🌢 A	-1,1.11
Y Y						

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A A : X , A A X А A A 15 Ε, X X Å , **•** . A A 5.3 X 46 6.6 / . **3**5 5 15. 1 1 20 Ä A A A A. X Y A A. A A . Α 1 10 A A-, A A . ₿ 6 % 1% 6 % 13% A A X Ø Ø 15. Ø X

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 Ræ@ { æ } i A (2012) N^` ¦æ||^ Aåu`•c^å V^}ci|æc[¦^ A••i•c i } c@^ N^[ }æcæ| P^!i[å: A] ]|i&æci [ }• æ }å Li { icæci [ }•