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Central hemodynamics during lung recruitment maneuvers at hypovolemia, normovolemia and hypervolemia. A study by echocardiography and continuous pulmonary artery flow measurements in lung-injured pigs

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Published online: 5 May 2006
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The online version of the original article can be found at
<http://dx.doi.org/10.1007/s00134-006-0082-0>

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Intensive Care Med (2006) 32:585–594

Dr. Jonas Nielsen and co-authors would like to make a correction in Table 1.

They have by mistake used the sort “%” for eccentricity index within the table. The values are in absolute numbers and “%” is deleted.

Table 1 Measured variables in nine pigs at three volemic levels, before, at the end of, and 1 min and 5 min after lung recruitment maneuvers (*LRM*) of 10-s and 30-s duration. Means and standard deviations are indicated. (*CO* pulmonary artery flow [cardiac output], *CVP* central venous pressure, *EI* end-systolic eccentricity index, *EELV* end-expiratory lung volume, *FS* fractional shortening, *LVED/Sd* left ventricular end-diastolic/systolic diameter, *HR* heart rate, *MAP* mean arterial pressure, *MPAP* mean pulmonary artery pressure, *PaO₂/FiO₂* arterial to inspiratory oxygen ratio). *CO* was measured in eight pigs

	LR M	Hypovolemia				Normovolemia				Hypervolemia			
		Before	End of	1'	5'	Before	End of	1'	5'	Before	End of	1'	5'
CO l/min	10	2.6(0.7)	0.3(0.4) [§]	2.9(0.9)	2.6(0.6)	2.9(0.5)	0.7(0.4) [§]	2.8(0.6)	2.9(0.5)	3.2(0.3)	1.4(0.4) [§]	3.1(0.5)	3.2(0.4)
	30	2.6(0.6)	0.2(0.2) [§]	3.5(0.6) [§]	2.7(0.5)	2.9(0.4)	0.4(0.4) [§]	3.2(0.6)	2.9(0.4)	3.2(0.4)	1.1(0.5) [§]	3.1(0.5)	3.2(0.4)
LVEDd cm	10	3.4(0.5)	2.2(0.6) [§]	3.0(0.5)	3.2(0.4)	3.6(0.5)	2.4(0.7) [§]	3.4(0.5)	3.5(0.5)	3.7(0.3)	2.5(0.4) [§]	3.6(0.4)	3.7(0.3)
	30	3.3(0.4)	2.2(0.6) [§]	3.2(0.4)	3.3(0.3)	3.7(0.5)	2.5(0.6) [§]	3.7(0.4)	3.7(0.5)	3.5(0.4)	2.0(0.6) [§]	3.7(0.6)	3.7(0.6)
LVESd cm	10	2.8(0.5)	2.0(0.5) [§]	2.4(0.5)	2.7(0.4)	3.0(0.5)	2.0(0.5) [§]	2.8(0.5)	3.0(0.4)	3.0(0.4)	1.9(0.4) [§]	3.0(0.5)	3.0(0.4)
	30	2.8(0.5)	1.8(0.6) [§]	2.5(0.5)	2.8(0.4)	3.0(0.4)	1.7(0.5) [§]	2.8(0.5) [§]	3.0(0.4)	3.1(0.4)	1.9(0.4) [§]	3.1(0.4)	3.1(0.4)
FS %	10	16(7)	12(6)	18(7)	14(6)	18(9)	17(9)	17(7)	16(6)	18(7)	25(9) [§]	18(10)	17(9)
	30	15(11)	7(11)	22(8)	16(9)	15(5)	13(14)	20(7)	19(7)	16(6)	23(8)	17(8)	17(8)
EI	10	1.00(0.09)	1.37(0.27) [§]	—	—	0.98(0.08)	1.31(0.17) [§]	—	—	1.01(0.09)	1.20(0.12) [§]	—	—
	30	1.01(0.09)	1.43(0.23) [§]	—	—	0.98(0.08)	1.47(0.18) [§]	—	—	0.98(0.11)	1.33(0.11) [§]	—	—
HR min ⁻¹	10	104(20)	101(19)	122(23) [§]	105(19)	98(15)	97(17)	105(20)	98(15)	94(12)	93(11)	98(15)	94(12)
	30	99(19)	93(12)	135(23) [§]	101(18)	97(14)	94(11)	120(19) [§]	99(15)	95(11)	94(11)	102(13)	94(11)
MAP mmHg	10	56(5)	31(3) [§]	66(19)	59(4)	74(7)	52(18) [§]	68(13)	72(8)	79(11)	58(9) [§]	77(16)	79(11)
	30	58(7)	20(2) [§]	98(17) [§]	62(5)	74(9)	28(6) [§]	92(9)	76(6)	81(9)	39(10) [§]	84(10)	82(12)
CVP mmHg	10	7(2)	11(3) [§]	7(2)	7(2)	8(2)	13(3) [§]	9(2)	8(2)	10(2)	15(3) [§]	10(2)	11(2)
	30	6(1)	13(2) [§]	6(1)	6(2)	9(3)	15(3) [§]	8(2)	9(3)	10(2)	17(2) [§]	10(2)	10(2)
MPAP mmHg	10	18(1)	25(3) [§]	25(1) [§]	20(2)	22(1)	31(1) [§]	27(3) [§]	23(2)	24(2)	35(2) [§]	29(3) [§]	25(1)
	30	18(1)	21(6) [§]	25(1) [§]	19(1)	22(1)	29(5) [§]	27(2) [§]	22(2)	24(2)	35(3) [§]	27(2) [§]	25(2)
PaO ₂ /FiO ₂	10	231(112)	—	136(76) [§]	—	242(105)	—	153(80) [§]	—	276(137)	—	172(87) [§]	—
	30	231(121)	—	139(80) [§]	—	221(83)	—	125(40) [§]	—	275(132)	—	166(88) [§]	—
EELV ml	10	376(72)	—	—	353(57)	345(72)	—	—	—	324(85)	351(70)	—	299(41) [§]
	30	386(74)	—	—	376(68)	352(67)	—	—	—	336(48)	343(77)	—	342(76)

[§] Significant difference ($p < 0.025$) from "before" value