

ERRATUM

Volume **86**, Number 2 (1999), in Article ID jsre.1999.5711, "Hypervolemic Hemodilution: An Alternative to Acute Normovolemic Hemodilution? A Mathematical Analysis," by Kai Singbartl, M.D., Wolfgang Schleinzner, M.D., and Günter Singbartl, M.D., Ph.D., pages 206–212: On page 210, in Table 2b, under the column labeled hct_{FIN} , the first two percentages are incorrect. On the same page, in Table 3b, under the columns labeled Units all measurements are listed incorrectly. For the reader's convenience, the corrected tables are printed below.

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TABLE 2b

Postoperative (hct_{PO}) and Final hct for Different BL_{S} , $\text{hct}_{\text{INIT}} = 40\%$ and $\text{hct}_{\text{MIN}} = 21\%$

BL (ml)	ANH				HHD		No HD
	hct_{PO} (%)	Vol_{ANH} (ml)	hct_{RETR} (%)	hct_{FIN} (%)	hct_{PO} (%)	hct_{FIN} (%)	$\text{hct}_{\text{PO=FIN}}$ (%)
1000	21.3	2000	24.3	35.2	28.0	33.8	31.6
2000	21.0	1394	23.3	30.0	23.7	28.5	26.0
3000	21.0	733	22.4	25.8	tn	tn	21.3
4000	21.0	73	21.2	21.5	tn	tn	tn
5000	tn	tn	tn	tn	tn	tn	tn

Note. Vol_{ANH} , postsurgery remaining volume of ANH blood; hct_{RETR} , hct immediately after retransfusion of Vol_{ANH} (hypervolemia!); hct_{FIN} , final hct after normovolemia is regained; tn, (homologous) transfusion needed; ANH, 200 ml colloidal preload (volume effect 1.0), preoperative exchange of 4×500 ml blood and colloid (volume effect 1.0), isovolemic substitution of ongoing BL_{S} with same colloid until hct_{MIN} , retransfusion of ANH blood plus colloid to maintain hct_{MIN} ; HHD, 1000 ml colloidal preload (volume effect 1.0) before surgery, isovolemic substitution of ongoing BL_{S} with same colloid until hct_{MIN} ; "no" HD, 200 ml colloidal preload (volume effect 1.0) before surgery, isovolemic substitution of ongoing BL_{S} with same colloid until hct_{MIN} .

TABLE 3b

RBC Saved, $\text{hct}_{\text{INIT}} = 40\%$ and $\text{hct}_{\text{MIN}} = 21\%$

BL (ml)	ANH vs HHD		ANH vs No HD		HHD vs No HD	
	RBC (ml)	Units ^a	RBC (ml)	Units ^a	RBC ^a	Units ^a
1000	69	0.6	176	1.3	108	0.8
2000	74	1.2	196	1.4	123	0.9
3000	—	—	221	1.6	137	1.0
4000	—	—	25	0.3	—	—

Note. ANH, 200 ml colloidal preload (volume effect 1.0), preoperative exchange of 4×500 ml blood and a cell-free solution (colloid volume effect 1.0), isovolemic substitution of ongoing BL_{S} with same colloid until hct_{MIN} , retransfusion of ANH blood plus colloid to maintain hct_{MIN} ; HHD, 1000 ml colloidal preload (volume effect 1.0) before surgery, isovolemic substitution of ongoing BL_{S} with same colloid until hct_{MIN} ; "no" HD, 200 ml colloidal preload (volume effect 1.0) before surgery, isovolemic substitution of ongoing BL_{S} with same colloid until hct_{MIN} .

^a Assuming that 1 (conventional blood bank) unit contains 140 ml RBC.