

Table 4. Comparison of mean sources of points in the Himmelsbach scores for butorphanol, morphine, nalorphine, pentazocine, morphine, pentazocine, nalbuphine⁵ and cyclazocine abstinence for the 10 days following abrupt withdrawal.

Source of Points	Morphine (M)			Nalorphine (NL)			Pentazocine (P)			Nalbuphine (Nb)			Cyclazocine (C)			Butorphanol		
	% Total Points	Rank		% Total Points	Rank		% Total Points	Rank		% Total Points	Rank		% Total Points	Rank		% Total Points	Rank	
+Signs	4.4	6		11.0	3		9.4	4		17.3	3		12.8	4		11.1	6	
++Signs	9.3	5		3.8	7		29.2	1		26.2	1		16.7	2		18.3	2	
Caloric intake	1.9	8		6.7	6		3.2	8		4.8	7		5.5	6		13.0	5	
Restlessness	0.8	9		1.1	8		0.0	9		0.8	8.5		0	9		0.5	9	
Emesis	2.8	7		0.0	9		4.6	6		0.8	8.5		0.7	8		5.4	7	
Fever	12.1	3		35.8	1		15.5	3		12.9	4		33.9	1		18.4	1	
Hyperventilation	31.1	1		10.8	4		26.2	2		20.2	2		11.1	5		4.6	8	
Systolic blood pressure	25.5	2		9.5	5		3.5	7		8.8	5		3.1	7		13.8	4	
Weight loss	11.5	4		20.9	2		8.4	5		8.2	6		15.8	3		15.0	3	
rs																		
M X N1 = 0.60																		
M X P = 0.60																		
NL X P = 0.40																		
M X Nb = 0.64																		
NL X Nb = 0.44																		
P X Nb = 0.88**																		
M X C = 0.47																		
NL X C = 0.72*																		
P X C = 0.78*																		
Nb X C = 0.71*																		
M X B = 0.80*																		
M X B = 0.08																		
NL X B = 0.57																		
P X B = 0.33																		
Nb X B = 0.45																		
C X B = 0.69*																		
r																		
M X N1 = 0.27																		
M X P = 0.47																		
NL X P = 0.18																		

Comparisons are made with Spearman rank order correlation coefficients (rs) and product moment correlation coefficients (r).

*p < 0.01

**p < 0.05