

Table III. Orthogonal contrasts for medications

	Medication									
	A	B	C	D	E	F	G	H	I	J
<i>Dose of drugs, mg</i>										
Aspirin	227	227	227	454		454	454	454	908	
Phenacetin	160	160	160		320	320	320	320		640
Caffeine		30	30				60	60		
Propoxyphene napsylate			100					200		
<i>Total analgesia scores</i>										
Hospital I (n = 32)	696	792	813	749	704	671	729	1,017	673	776
Hospital II (n = 29)	849	732	793	779	627	748	819	839	763	637
<i>Orthogonal polynomials</i>										
Contrast										
1	-1	-1	-1	-1	-1	+1	+1	+1	+1	+1
2				-1	+1				-1	+1
3	-1	+1				-1	+1			
4	+1	+1		-1	-1	+1	+1		-1	-1
5	-1	-1	+4	-1	-1	-1	-1	+4	-1	-1
6				+1	-1				-1	+1
7	+1	-1				-1	+1			
8	-1	-1		+1	+1	+1	+1		-1	-1
9	+1	+1	-4	+1	+1	-1	-1	+4	-1	-1
<i>Contrast</i>										
Contrast	Hospital I			Hospital II			Combined data			
	N	D	P <	N	D	P <	N	D	P <	
1	112	320		26	290		138	610		
2	58	128		-278	116	0.002	-220	244		
3	154	128		-46	116		108	244		
4	-14	256		342	232	0.007	328	488		
5	1,530	1,280	0.001	574	1,160	0.050	2,104	2,440	0.001	
6	148	128		26	116		174	244		
7	-38	128		188	116	0.020	150	244		
8	-84	256		-8	232		-92	488		
9	908	1,280	0.020	204	1,160		1,112	2,440	0.030	
Error mean square	107.04			67.10			91.59			

N = Numerator; D = denominator; (N)²/D = mean square.