

Table 4. The Results of ANOVA Test for the Effect of Etiology and Artery Sides on Resistance Index

Source	SS	DF	MS	F	P
Subjects (S)	0.1322	17	0.0078	2.79	0.0078
Etiology (E)	0.2626	4	0.0657	6.02 ^a	0.0013
S*E	0.3056	28	0.0109		
Artery sides (A)	0.00087	1	0.00087	0.30 ^b	0.5894
S*A	0.0487	17	0.0029		
E*A	0.0033	4	0.00082	0.29	0.8788
S*E*A	0.0781	28	0.0028		
Total	0.8487	99			

^aUsing S*D as the error term; ^busing S*A as the error term.

Table 5 lists the results of transurethral delivery of PGE₁. One of 2 patients who received formulation 1 showed no response, but the other demonstrated an erectile angle of 45° (partial erection) and rigidity grade of 1-2. Similarly, 1 of 2 patients who received formulation 2 showed no response, while the other showed only tumescence. One of 2 patients who received formulation 3 demonstrated an erectile angle of 45° and a rigidity grade of 2, but the other showed only tumescence. Both patients who received formulation 4 showed an erectile angle of 45° and a rigidity grade of 2. Three of four patients given formulation 5 had erec-

tile angles of 45°, 80°, and 90° with rigidity grades of 1, 2, and 3-4, respectively; the other patient showed tumescence only. Both patients administered formulation 6 showed only tumescence. The 4 patients who received formulation 7 showed erectile angles of 45°, 90°, 45° and 45° with rigidity grades of 2-3, 2, 2, and 1, respectively.

DISCUSSION

Penile erection is a psychoneurovascular event

Table 5. Hemodynamic Evaluation of Penile Blood Flow of Patients with Erectile Dysfunction Using Duplex Doppler After Transurethral Delivery of PGE₁

Formule no. ^b	Etiology ^a	Clinical observations	Peak velocity		Resistance index	
		erection, rigidity	Rt	Lt	Rt	Lt
1	V	45°, grade 1-2	34.30	35.58	0.87	0.86
1	A	no response	--	--	--	--
2	A	just tumescence	26.97	15.31	0.84	0.83
2	V	no response	--	--	--	--
3	V	just tumescence	33.37	41.15	0.74	0.79
3	V	45°, grade 2	20.06	18.55	0.77	0.71
4	V	45°, grade 2	27.42	39.56	0.75	0.83
4	V	45°, grade 2	26.21	24.25	0.81	0.81
5	V	45°, grade 1	20.61	18.64	0.86	0.88
5	Mild A	90°, grade 3-4	41.07	42.44	0.90	0.94
5	A+V	just tumescence	13.74	36.53	0.71	0.70
5	V	80°, grade 2	31.39	21.78	0.90	0.88
6	A	just tumescence	26.04	13.90	0.79	0.84
6	A+V	just tumescence	--	32.09	--	0.76
7	V	45°, grade 2-3	20.66	34.90	0.85	0.86
7	A+V	90°, grade 2	14.58	29.84	0.76	0.90
7	V	45°, grade 2	24.88	27.52	0.74	0.71
7	V	45°, grade 1	38.32	29.53	0.73	0.73

^aA: arteriogenic; V: venous leakage. ^bformulation number refers to Table 1.