PILOT Data @ Touchdown

Wed, Oct 10, 2001

File: JNM size: 17 * 44 MISS=-9999.
Include all cases

STATISTICA GENERAL MANOVA	summary of all effects; design: 1-EXPERIEN, 2-Conditio, 3-Time, 4-Winds						
Effect	df Effect	MS Effect	df Error	MS Error	F	p-level	
1	1	9446.420	15	4232.140	2.232067	.1559096	
2	1	896.123	15	295.108	3.036592	.1018645	
3	6	289.240	90	135.538	2.134009	.0569782	Time ✓
4	2	1096.109	30	168.471	6.506204	.0044969	Winds ✓
12	1	9.350	15	295.108	.031683	.8611066	
13	6	39.948	90	135.538	.294738	.9379760	
23	6	123.207	90	82.270	1.497597	.1879982	
14	2	512.348	30	168.471	3.041158	.0627195	Exp x winds
24	2	654.853	30	127.303	5.144060	.0119995	Condit. x Wind ✓
34	12	81.862	180	108.241	.756294	.6945781	
123	6	85.074	90	82.270	1.034083	.4086100	
124	2	227.135	30	127.303	1.784214	.1852907	Exp. x Time x wind
134	12	171.801	180	108.241	1.587213	.0986427	
234	12	70.240	180	116.753	.601612	.8390536	
1234	12	116.198	180	116.753	.995244	.4552930	

Wed, Oct 10, 2001

File: AST size: 17 * 44 MISS=-9999.
Include all cases

STATISTICA GENERAL MANOVA	summary of all effects; design: 1-EXPERIEN, 2-Conditon, 3-Time, 4-Winds					
Effect	df Effect	MS Effect	df Error	MS Error	F	p-level
1	1	78.677	15	65.7819	1.196031	.2913686
2	1	24.166	15	19.6637	1.228952	.2850697
3	6	26.121	90	20.3109	1.286074	.2716848
4	2	30.555	30	453.3501	.067399	.9349632
12	1	20.048	15	19.6637	1.019548	.3286377
13	6	26.998	90	20.3109	1.329240	.2524309
23	6	23.306	90	19.7244	1.181583	.3232854
14	2	647.785	30	453.3501	1.428885	.2554158
24	2	887.353	30	359.0159	2.471625	.1014774
34	12	475.986	180	317.0612	1.501243	.1270824
123	6	25.430	90	19.7244	1.289276	.2702160
124	2	1744.823	30	359.0159	4.860016	.0148482
134	12	445.274	180	317.0612	1.404380	.1672818
234	12	375.700	180	334.5635	1.122957	.3440229
1234	12	242.334	180	334.5635	.724330	.7264740

Experience & Condition & Winds

Wed, Oct 10, 2001

File: WDR size: 17 * 44 MISS=-9999.
Include all cases

STATISTICA GENERAL MANOVA	summary of all effects; design: 1-EXPERIEN, 2-Conditio, 3-Time, 4-Winds					
Effect	df Effect	MS Effect	df Error	MS Error	F	p-level
1	1	7.003796	15	35.18868	.199035	.6618731
2	1	8.475505	15	2.23514	3.791931	.0704708
3	6	3.079412	90	1.49341	2.061995	.0655110
4	2	1.035994	30	1.56868	.660422	.5239825
12	1	.889510	15	2.23514	.397966	.5376357
13	6	.328847	90	1.49341	.220198	.9693784
23	6	1.809983	90	.95309	1.899077	.0895231
14	2	.847899	30	1.56868	.540516	.5880136
24	2	4.216022	30	1.51142	2.789441	.0774345
34	12	.657540	180	1.10103	.597202	.8426853
123	6	1.079871	90	.95309	1.133027	.3497454
124	2	2.193473	30	1.51142	1.451265	.2502532
134	12	1.077574	180	1.10103	.978692	.4709332
234	12	1.155746	180	1.16859	.989011	.4611539
1234	12	.264741	180	1.16859	.226548	.9969474

cond. ✓
time ✓

cond⊕time ✓

cond⊕winds ✓

Wed, Oct 10, 2001

File: HGR size: 17 * 44 MISS=-9999.
Include all cases

STATISTICA GENERAL MANOVA	summary of all effects; design: 1-EXPERIEN, 2-Conditio, 3-Time, 4-Winds						
Effect	df Effect	MS Effect	df Error	MS Error	F	p-level	
1	1	3121.051	15	3388.183	.92116	.3523874	
2	1	78.455	15	269.063	.29159	.5971315	
3	6	41.616	90	50.147	.82988	.5498731	
4	2	1054.682	30	78.693	13.40244	.0000693	winds ✓
12	1	193.868	15	269.063	.72053	.4093125	
13	6	45.487	90	50.147	.90706	.4936056	
23	6	101.853	90	75.872	1.34244	.2467769	
14	2	242.621	30	78.693	3.08313	.0605712	* exp & winds
24	2	54.028	30	48.821	1.10666	.3437851	
34	12	35.587	180	40.431	.88018	.5681868	
123	6	103.259	90	75.872	1.36097	.2390186	
124	2	44.846	30	48.821	.91859	.4100165	
134	12	31.919	180	40.431	.78945	.6609286	
234	12	22.086	180	49.664	.44472	.9431143	
1234	12	21.587	180	49.664	.43467	.9478343	

Wed, Oct 10, 2001

File: EAS size: 17 * 44 MISS=-9999.
Include all cases

STATISTICA GENERAL MANOVA	summary of all effects; design: 1-EXPERIEN, 2-Conditio, 3-Time, 4-Winds						
Effect	df Effect	MS Effect	df Error	MS Error	F	p-level	
1	1	167.109	15	1412.542	.118304	.7356558	
2	1	1.898	15	73.862	.025697	.8747814	
3	6	39.636	90	39.831	.995110	.4335973	
4	2	1504.386	30	370.359	4.061971	.0274696	Winds ✓
12	1	7.592	15	73.862	.102788	.7529324	
13	6	27.374	90	39.831	.687266	.6603690	
23	6	48.594	90	41.204	1.179351	.3244666	
14	2	248.505	30	370.359	.670984	.5187103	
24	2	518.078	30	302.385	1.713310	.1974386	
34	12	399.330	180	259.609	1.538199	.1140867	
123	6	56.965	90	41.204	1.382500	.2302638	
124	2	1159.331	30	302.385	3.833963	.0329036	Exp. x Condition x winds
134	12	236.560	180	259.609	.911219	.5369111	
234	12	332.847	180	254.597	1.307349	.2175367	
1234	12	188.385	180	254.597	.739936	.7109849	

Wed, Oct 10, 2001

File: VGD size: 17 * 44 MISS=-9999.
Include all cases

STATISTICA GENERAL MANOVA	summary of all effects; design: 1-EXPERIEN, 2-Conditio, 3-Time, 4-Winds					
Effect	df Effect	MS Effect	df Error	MS Error	F	p-level
1	1	210.92	15	1465.209	.14395	.7097015
2	1	2.73	15	71.282	.03826	.8475467
3	6	41.91	90	42.746	.98044	.4432588
4	2	31417.98	30	397.062	79.12611	.0000000
12	1	7.51	15	71.282	.10540	.7499211
13	6	26.46	90	42.746	.61892	.7146460
23	6	50.58	90	43.109	1.17320	.3277376
14	2	274.27	30	397.062	.69074	.5090003
24	2	535.74	30	320.552	1.67130	.2050345
34	12	422.27	180	274.926	1.53593	.1148489
123	6	55.65	90	43.109	1.29099	.2694338
124	2	1240.68	30	320.552	3.87043	.0319625
134	12	249.50	180	274.926	.90753	.5406015
234	12	358.67	180	270.439	1.32627	.2068960
1234	12	201.31	180	270.439	.74439	.7065332

Winds ✓

Experience x Condition x Winds ✓

Wed, Oct 10, 2001

File: XPS size: 17 * 44 MISS=-9999.
Include all cases

STATISTICA GENERAL MANOVA	summary of all effects; design: 1-EXPERIEN, 2-Conditio, 3-Time, 4-Winds					
Effect	df Effect	MS Effect	df Error	MS Error	F	p-level
1	1	798784.	14	7349736.	.10868	.7465304
2	1	197103.	14	215149.	.91612	.3547328
3	6	269704.	84	176914.	1.52449	.1801078
4	2	8636794.	28	382341.	22.58924	.0000014
12	1	115992.	14	215149.	.53912	.4749155
13	6	60173.	84	176914.	.34012	.9137302
23	6	258799.	84	173880.	1.48838	.1920497
14	2	439248.	28	382341.	1.14884	.3314985
24	2	116802.	28	282783.	.41305	.6655979
34	12	174542.	168	197968.	.88167	.5667787
123	6	232825.	84	173880.	1.33900	.2491058
124	2	12628.	28	282783.	.04466	.9563935
134	12	297166.	168	197968.	1.50108	.1279650
234	12	107914.	168	176275.	.61219	.8299459
1234	12	150612.	168	176275.	.85442	.5944725

Winds ✓

Wed, Oct 10, 2001

File: YPS size: 17 * 44 MISS=-9999.
Include all cases

STATISTICA GENERAL MANOVA	summary of all effects; design: 1-EXPERIEN, 2-Conditio, 3-Time, 4-Winds					
Effect	df Effect	MS Effect	df Error	MS Error	F	p-level
1	1	13602.46	15	2460.968	5.52728	.0328133
2	1	123.74	15	946.103	.13079	.7226611
3	6	242.55	90	836.149	.29008	.9402472
4	2	37458.16	30	1301.900	28.77192	.0000001
12	1	4990.47	15	946.103	5.27476	.0364571
13	6	544.52	90	836.149	.65123	.6889893
23	6	617.82	90	623.537	.99083	.4363998
14	2	756.87	30	1301.900	.58136	.5653143
24	2	236.88	30	307.575	.77015	.4718807
34	12	336.35	180	558.346	.60240	.8383986
123	6	291.25	90	623.537	.46709	.8310133
124	2	1.57	30	307.575	.00509	.9949198
134	12	240.52	180	558.346	.43078	.9495953
234	12	409.27	180	460.449	.88884	.5594149
1234	12	455.68	180	460.449	.98964	.4605586

- exp
- winds
- exp.cond

Wed, Oct 10, 2001

File: Pitch size: 17 * 44 MISS=-9999.
Include all cases

STATISTICA GENERAL MANOVA	summary of all effects; design: 1-EXPERIEN, 2-Conditio, 3-Time, 4-Winds						
Effect	df Effect	MS Effect	df Error	MS Error	F	p-level	
1	1	14.85993	15	18.21450	.815829	.3806790	
2	1	.46653	15	.33888	1.376696	.2589600	
3	6	.39371	90	.20111	1.957624	.0800674	time ✓
4	2	2.37485	30	1.37641	1.725386	.1953111	
12	1	.01124	15	.33888	.033163	.8579364	
13	6	.13621	90	.20111	.677259	.6683073	
23	6	.22505	90	.24876	.904715	.4952678	
14	2	4.46400	30	1.37641	3.243208	.0530702	exp⊕wind ✓
24	2	1.61519	30	.85057	1.898947	.1672916	
34	12	.74480	180	.78245	.951881	.4967566	
123	6	.74170	90	.24876	2.981657	.0105687	exp⊕cond⊕time
124	2	2.99273	30	.85057	3.518493	.0423920	exp⊕cond⊕wind
134	12	1.02317	180	.78245	1.307644	.2173678	
234	12	.69618	180	.76167	.914012	.5341203	
1234	12	.60630	180	.76167	.796014	.6542269	

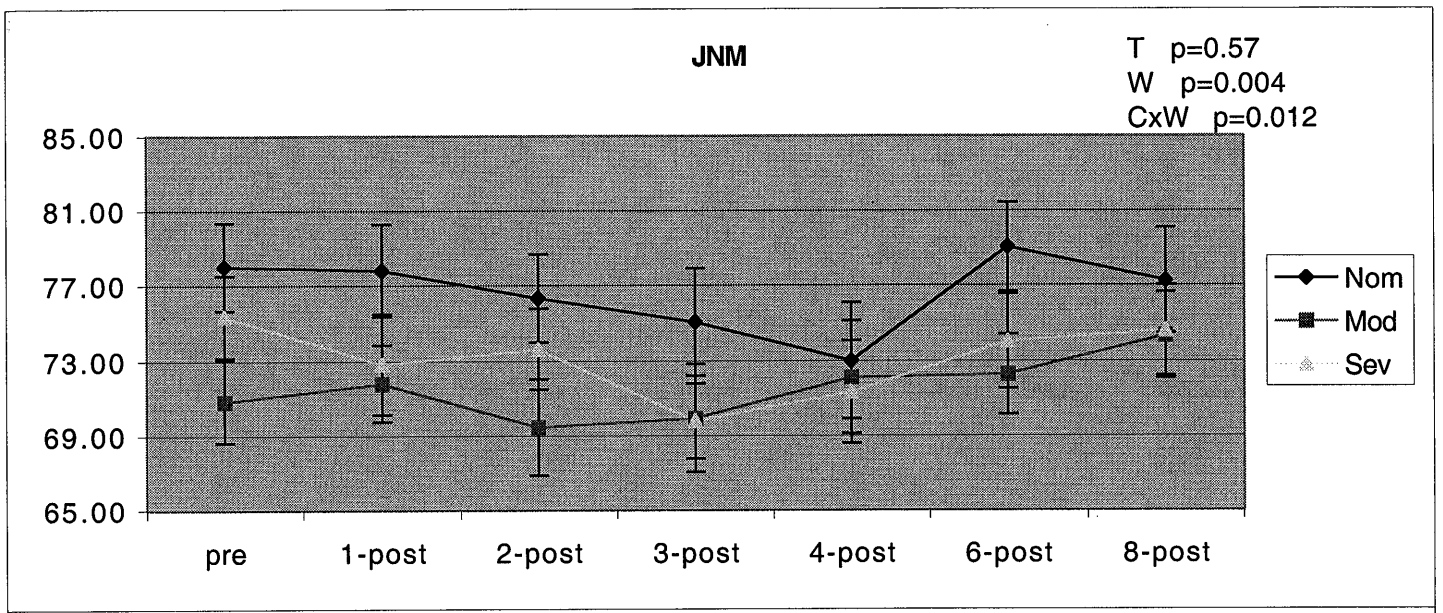
Wed, Oct 10, 2001

File: Roll size: 17 * 44 MISS=-9999.
Include all cases

STATISTICA GENERAL MANOVA	summary of all effects; design: 1-EXPERIEN, 2-Conditio, 3-Time, 4-Winds					
Effect	df Effect	MS Effect	df Error	MS Error	F	p-level
1	1	16.93477	15	7.052297	2.40131	.1420715
2	1	3.91238	15	2.003383	1.95289	.1826042
3	6	.73462	90	1.372910	.53508	.7802621
4	2	55.34168	30	4.399137	12.58012	.0001078
12	1	.31664	15	2.003383	.15805	.6965561
13	6	1.44840	90	1.372910	1.05499	.3956221
23	6	1.68984	90	1.568740	1.07719	.3821483
14	2	4.95618	30	4.399137	1.12662	.3374556
24	2	.14575	30	2.323925	.06272	.9393324
34	12	1.36881	180	1.426888	.95930	.4895544
123	6	.95418	90	1.568740	.60824	.7231025
124	2	.00085	30	2.323925	.00036	.9996357
134	12	1.09007	180	1.426888	.76395	.6868473
234	12	.60318	180	1.309200	.46072	.9350909
1234	12	1.84507	180	1.309200	1.40931	.1650049

winds ✓

PILOT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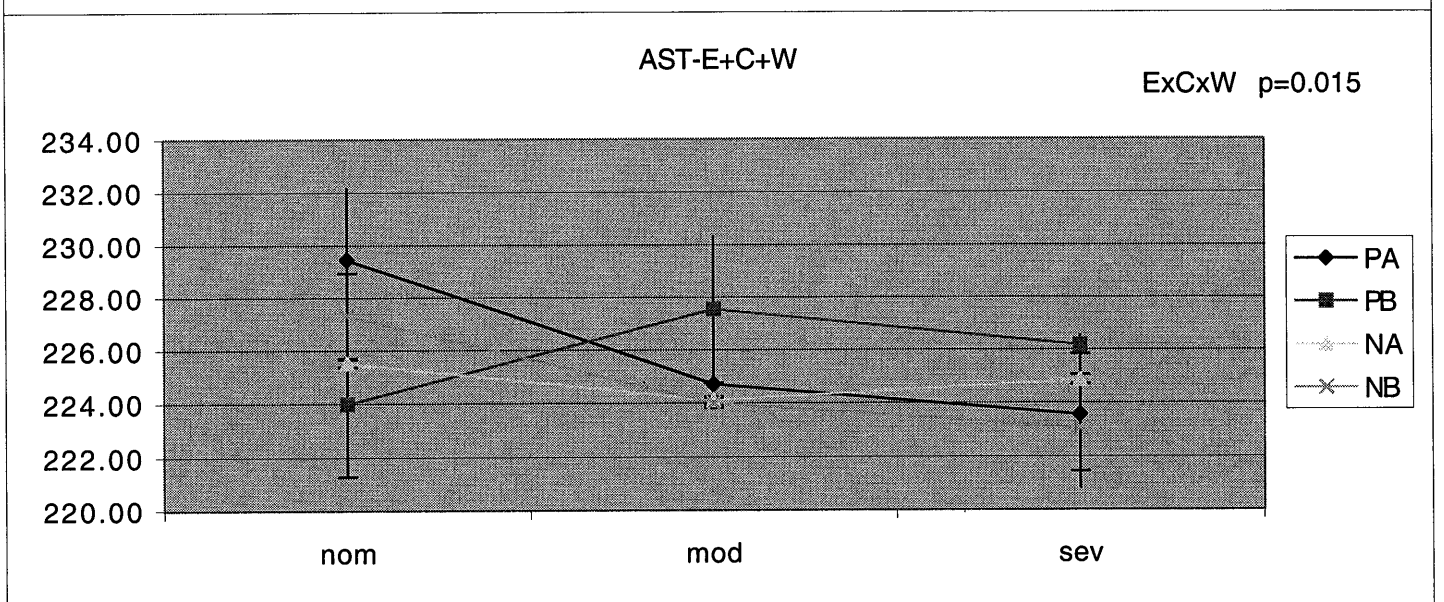
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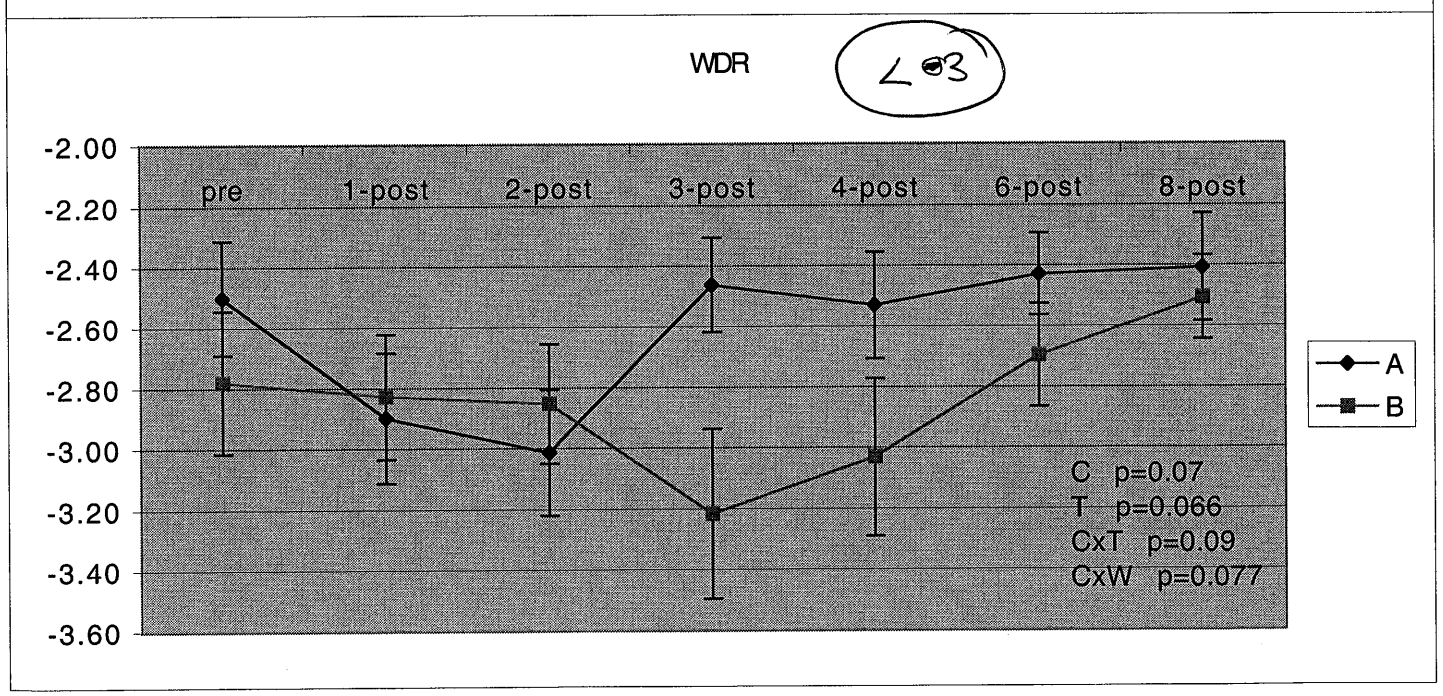
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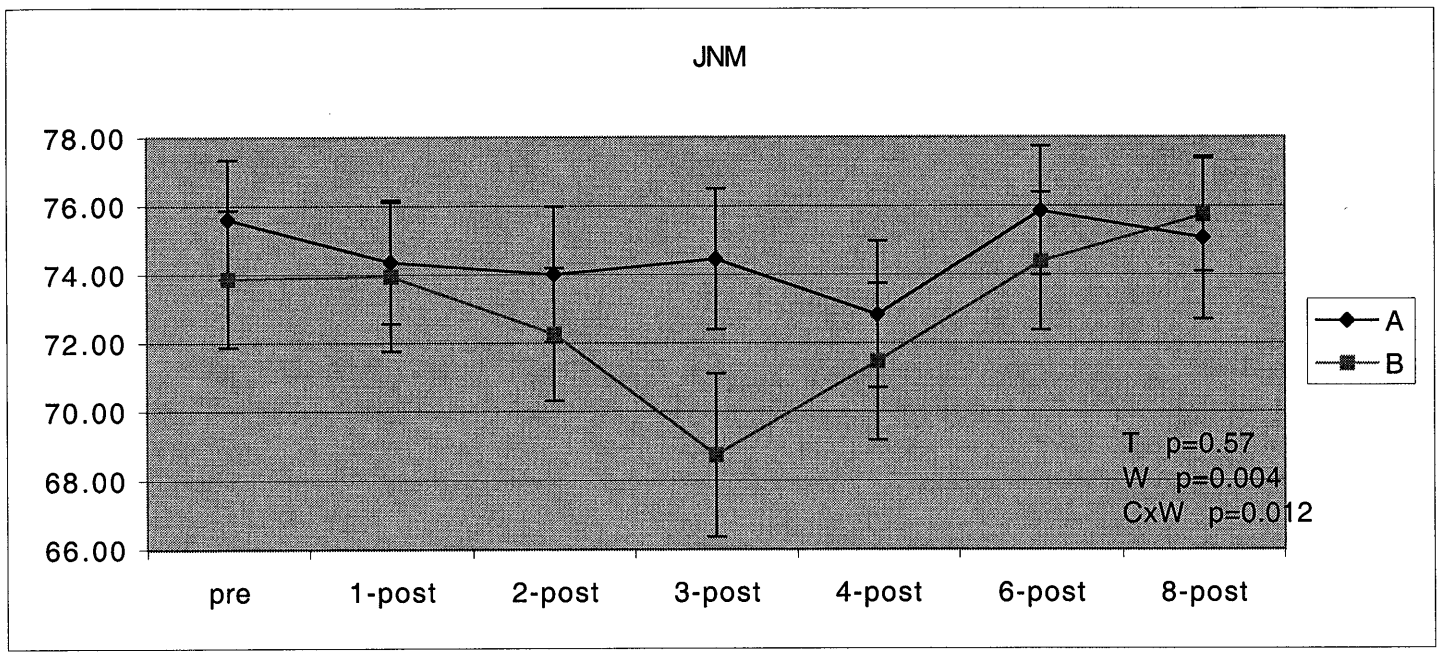
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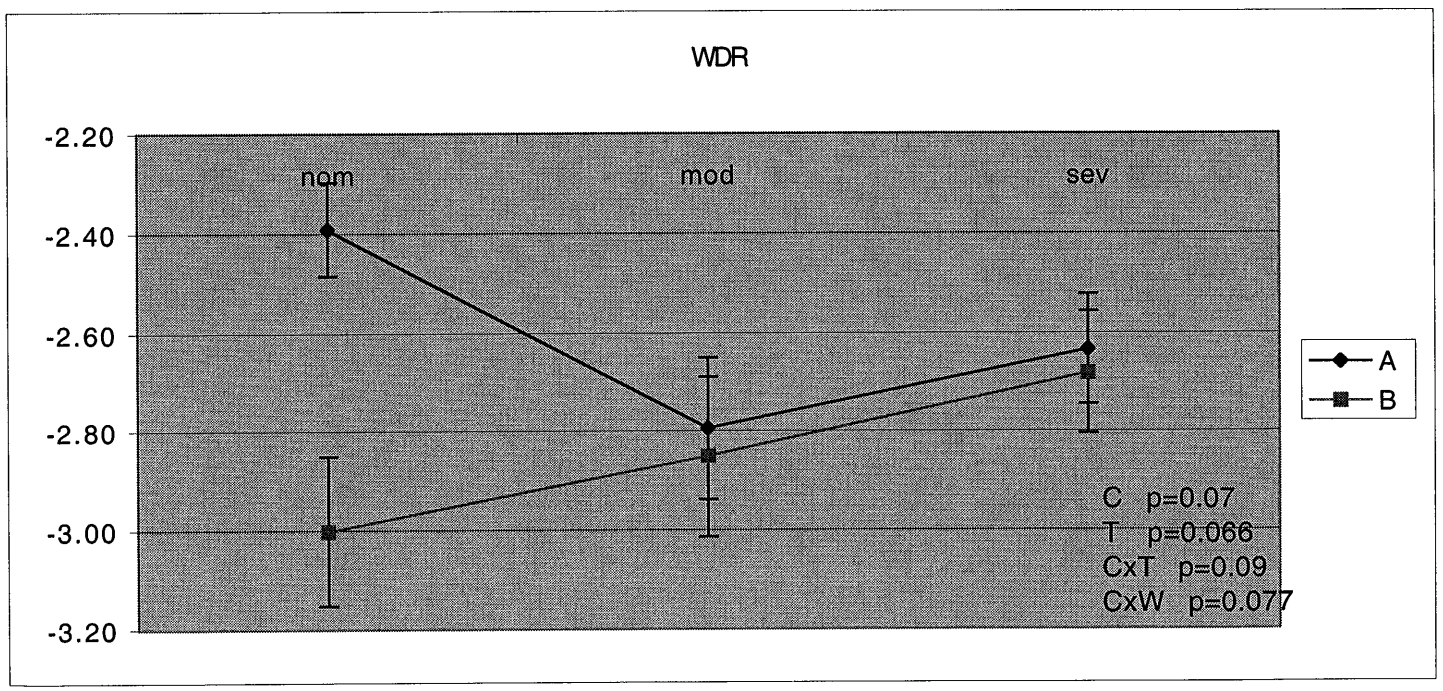
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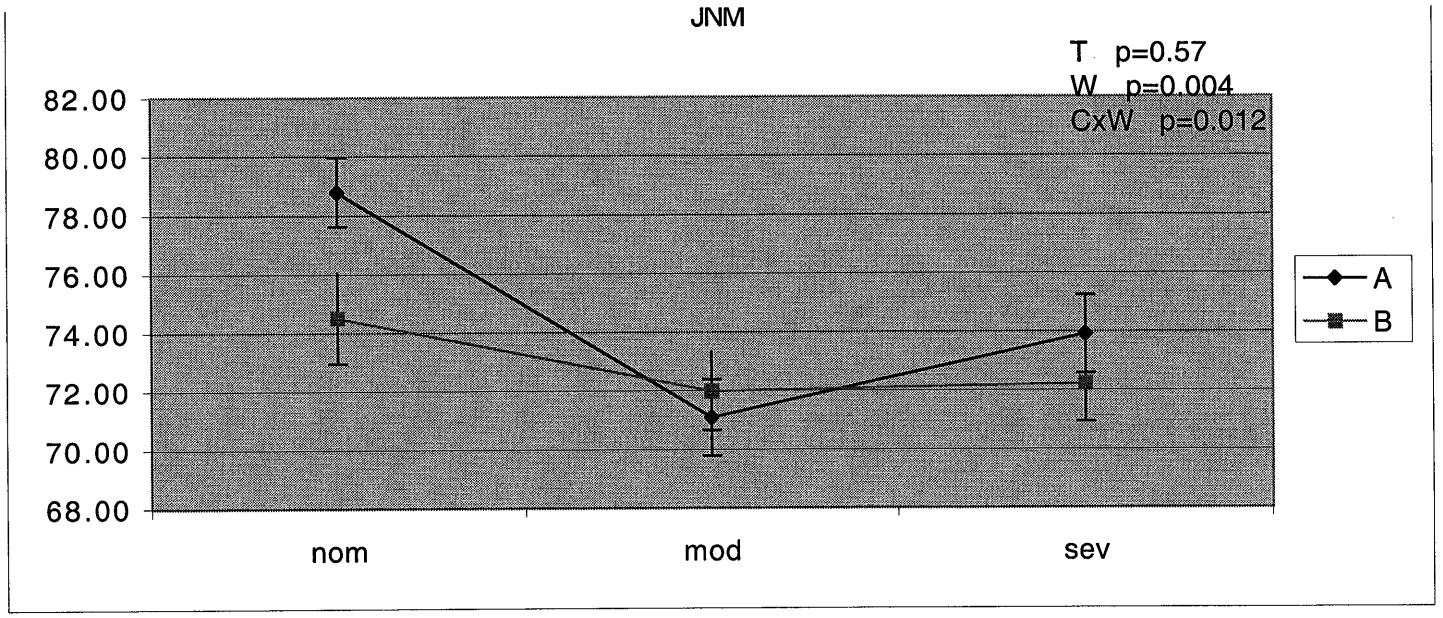
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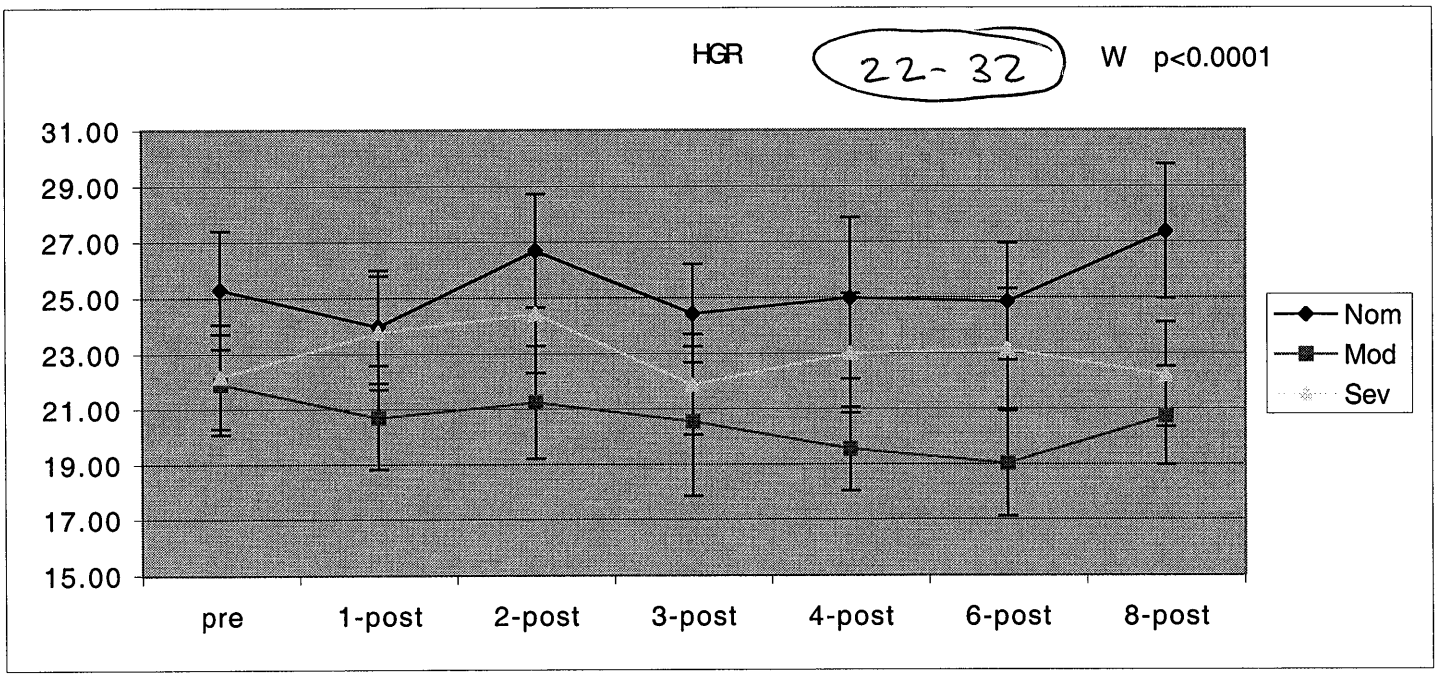
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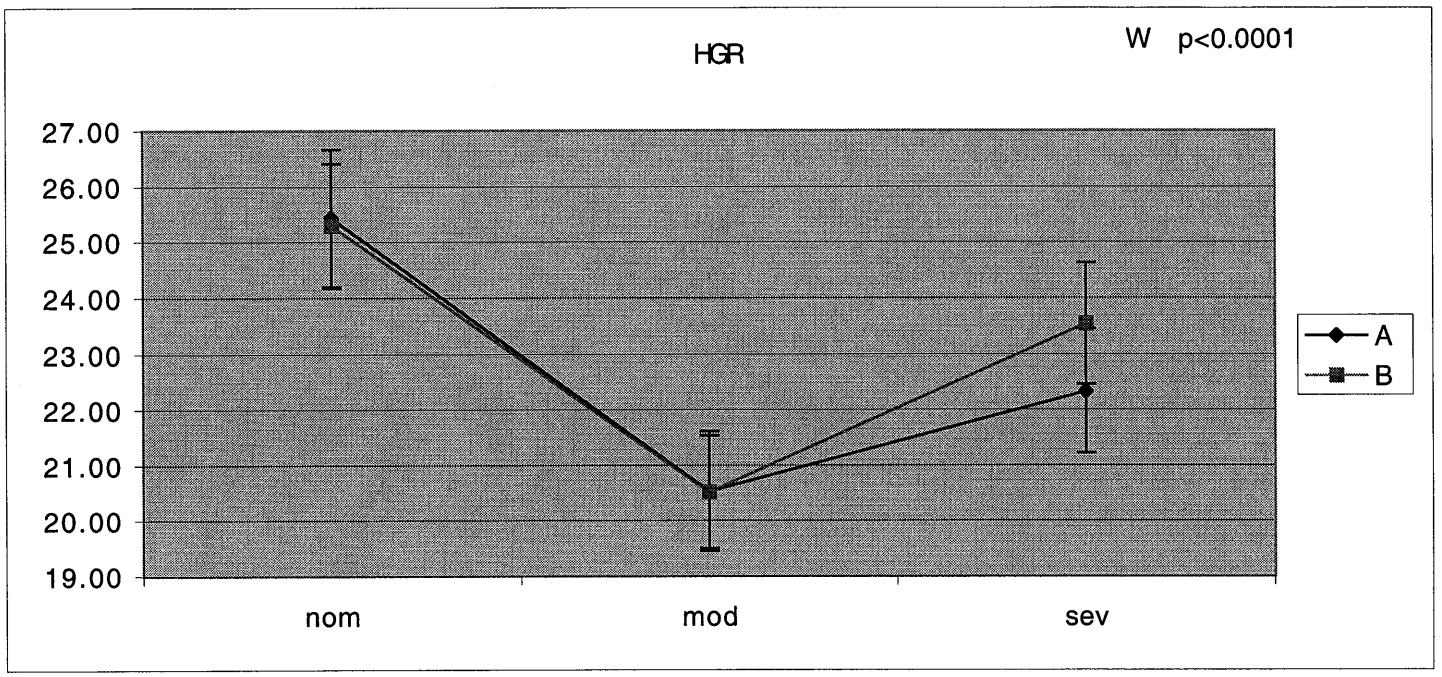
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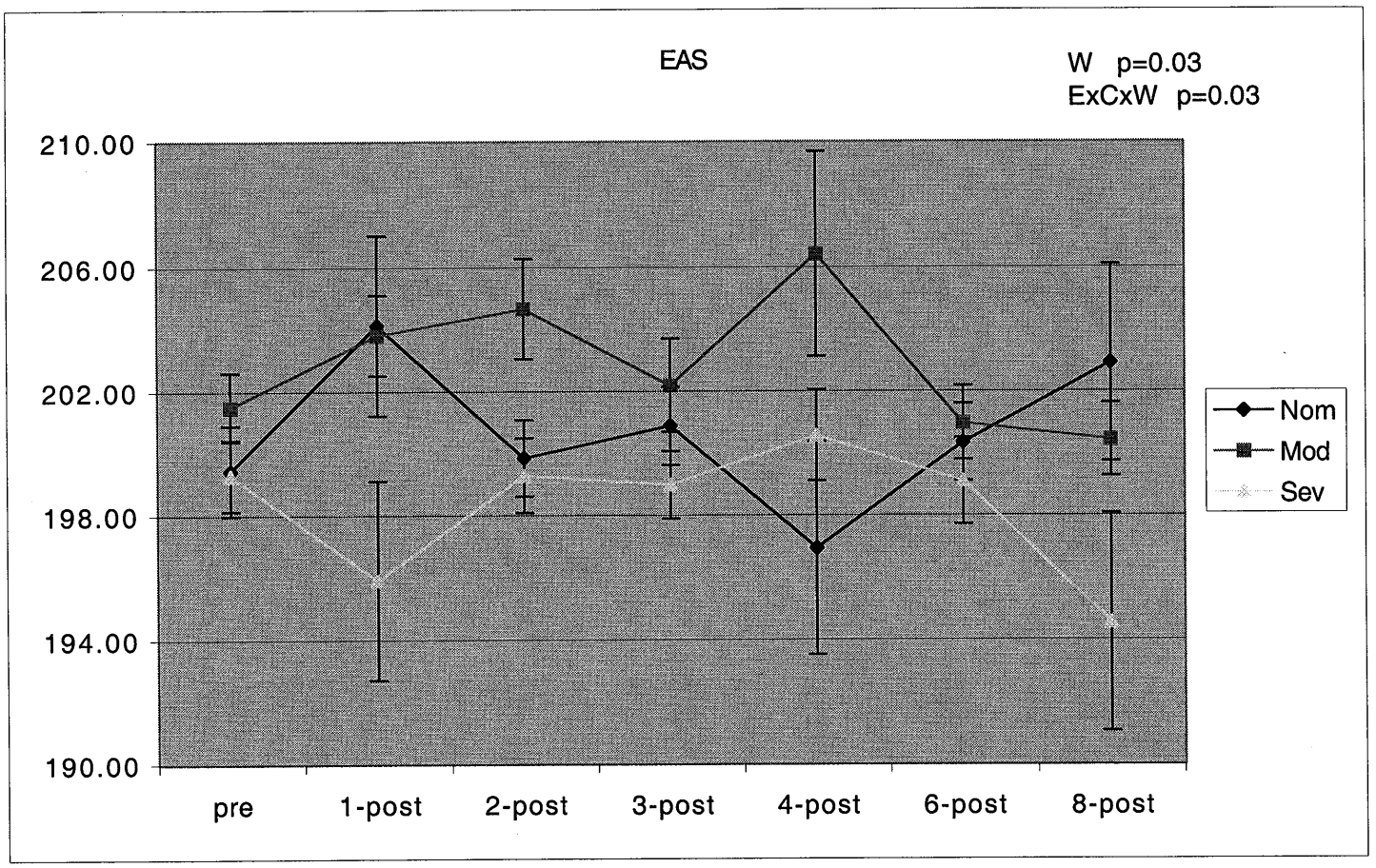
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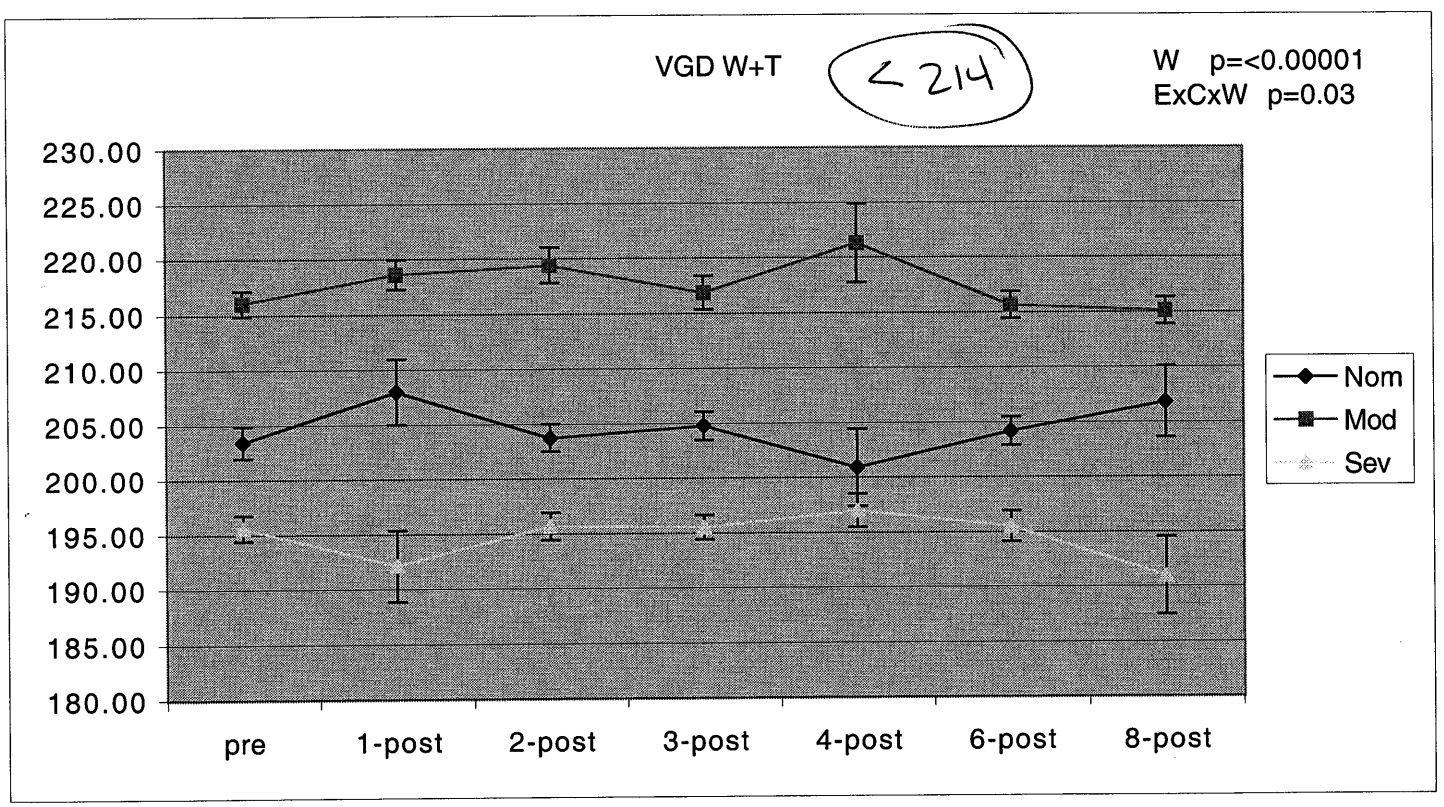
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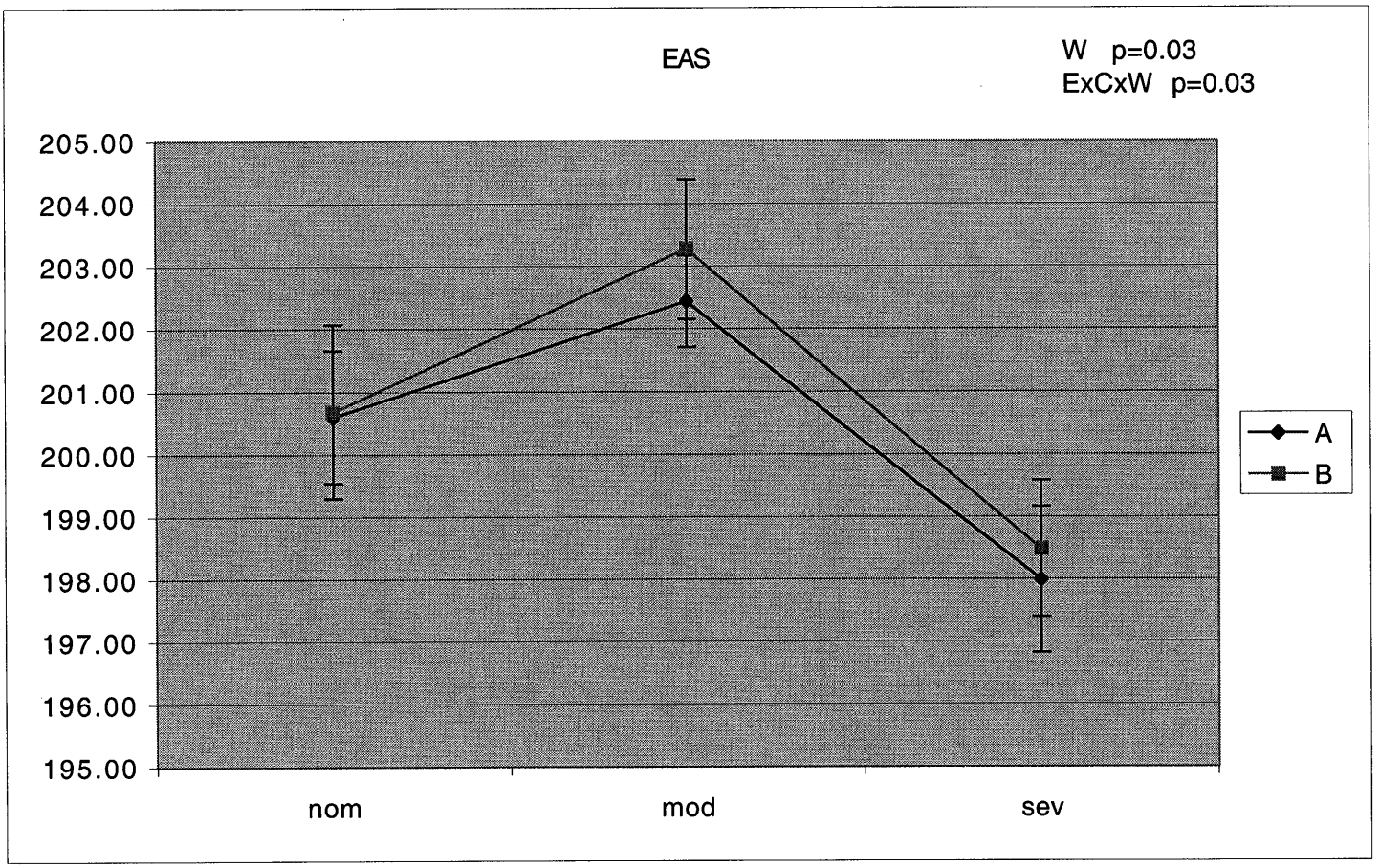
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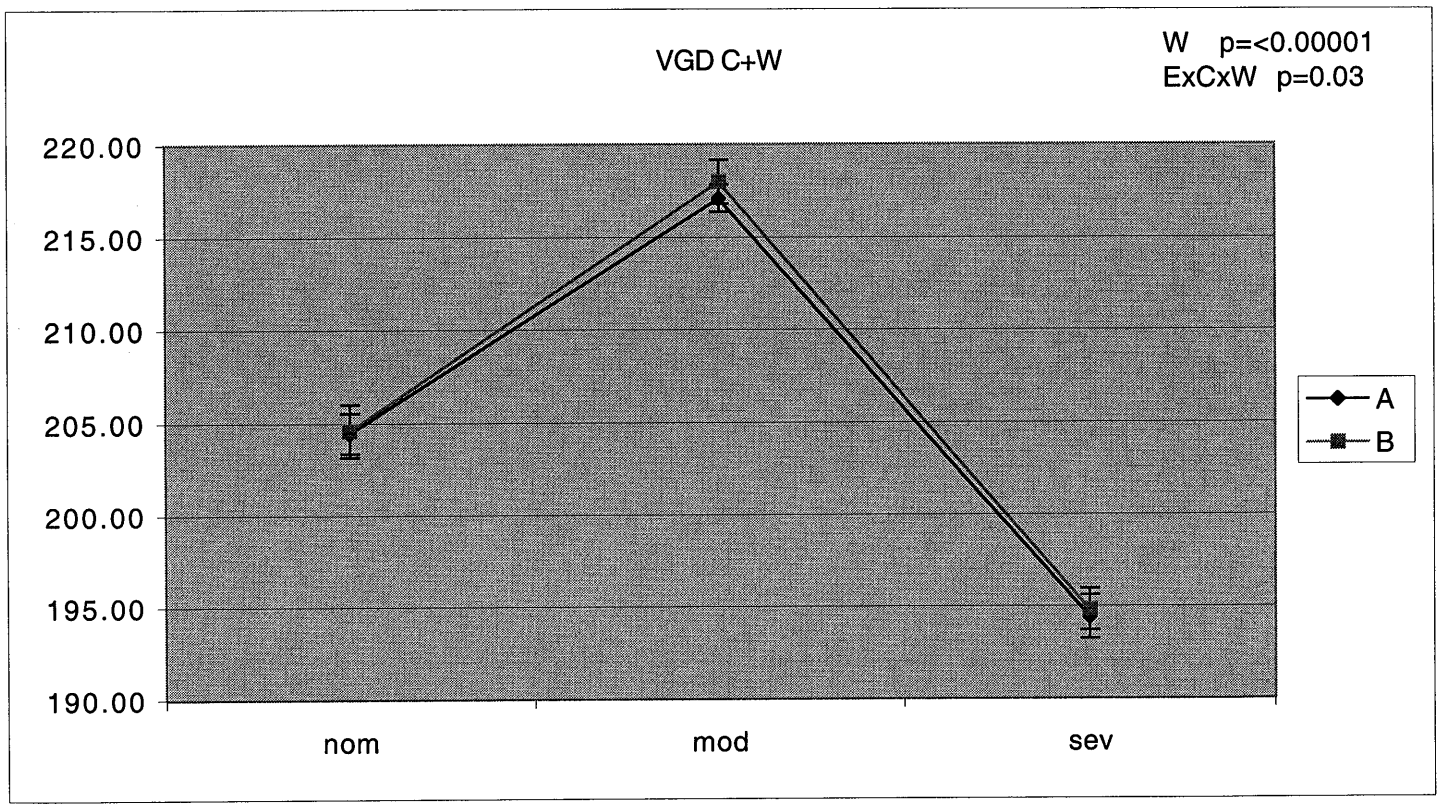
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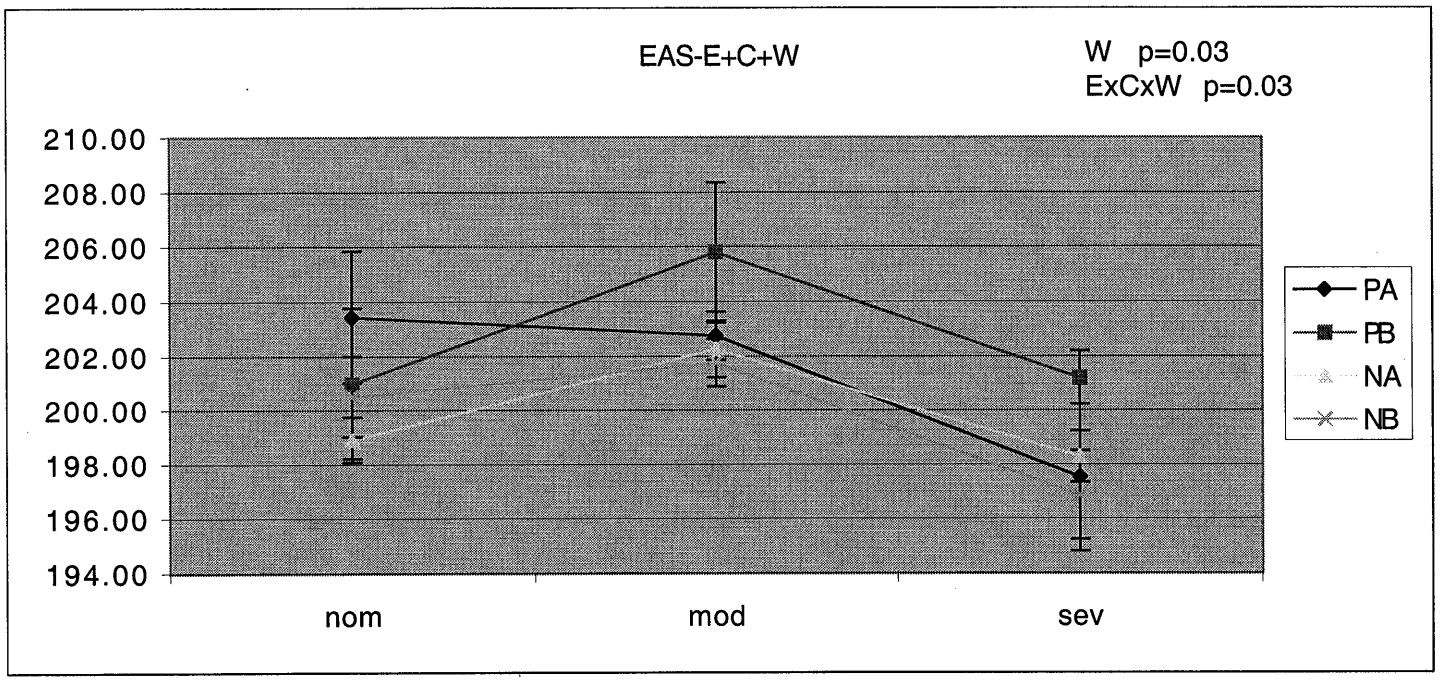
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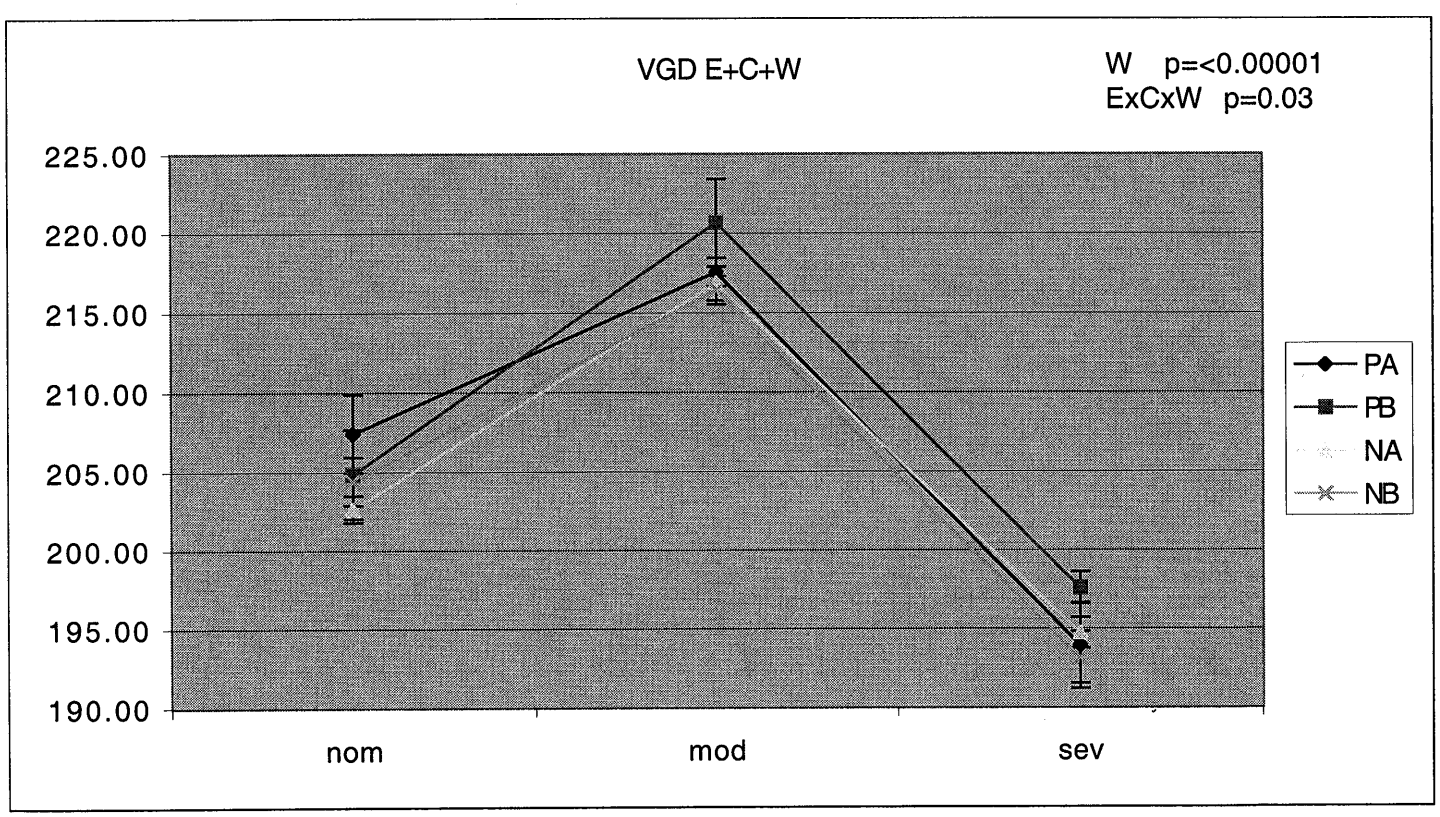
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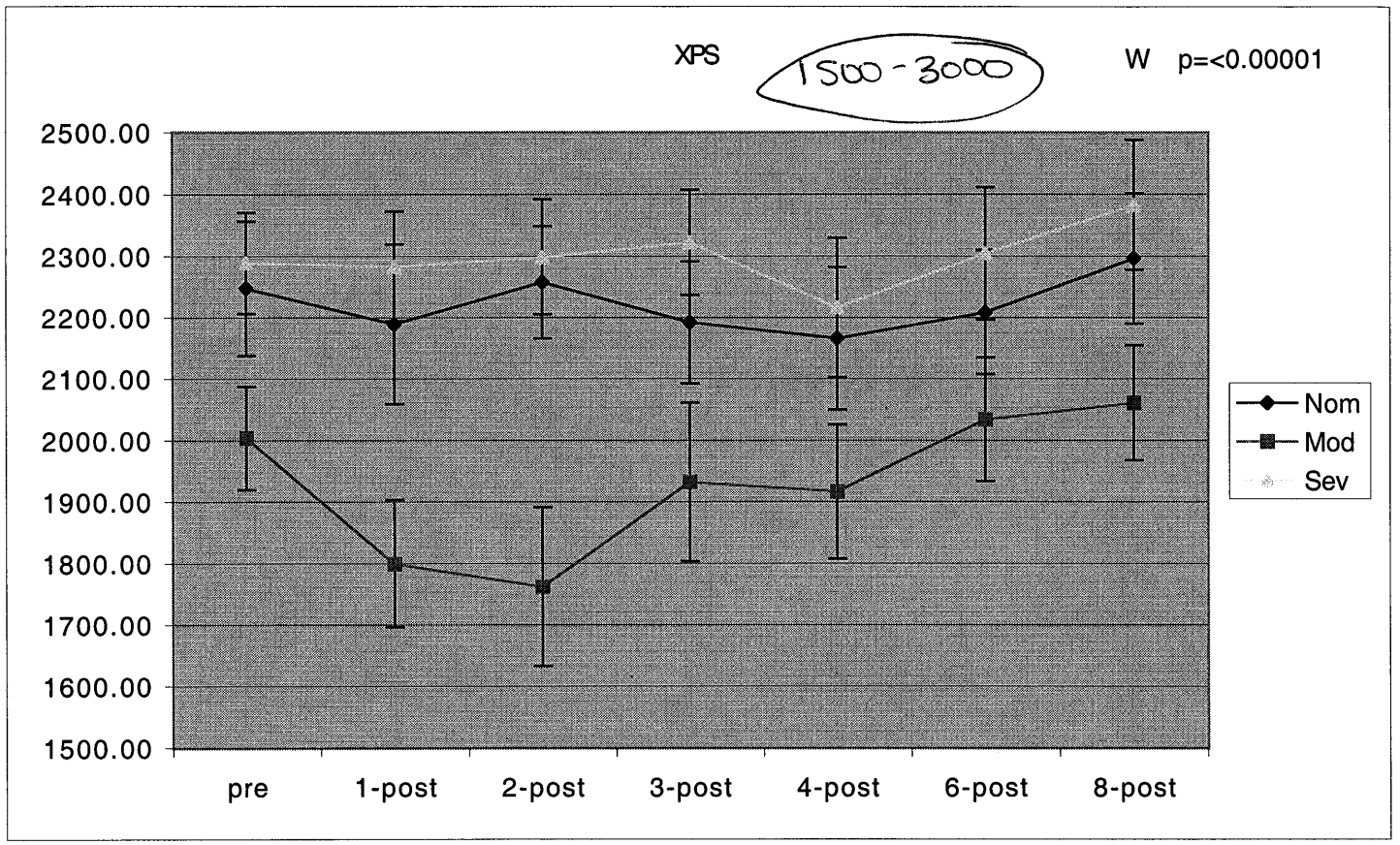
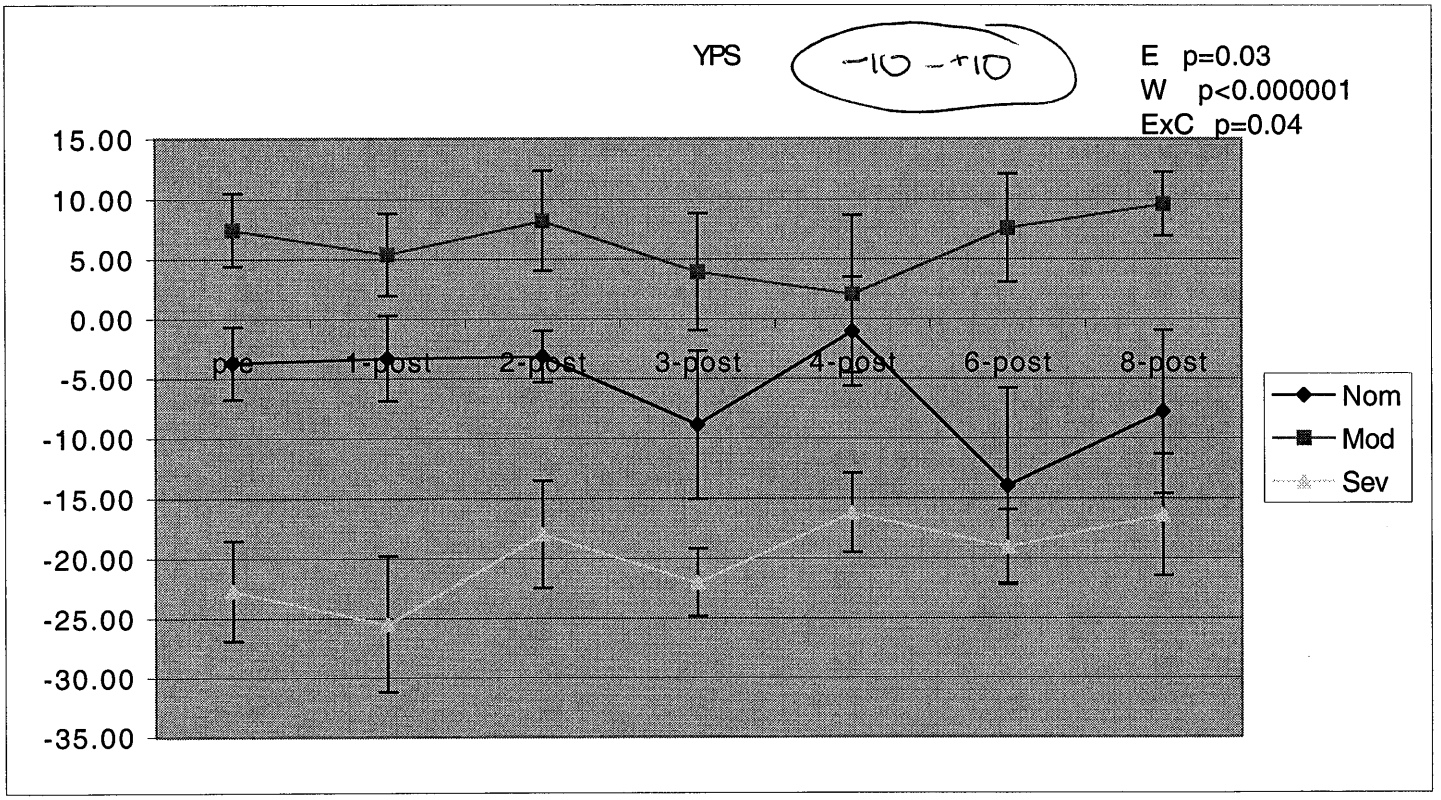

XPS
1500 - 3000
W p=<0.00001
2500.00
2400.00
2300.00
2200.00
2100.00
2000.00
1900.00
1800.00
1700.00
1600.00
1500.00
pre
1-post
2-post
3-post
4-post
6-post
8-post
Nom
Mod
Sev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-10 - +10
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W p<0.000001
ExC p=0.04
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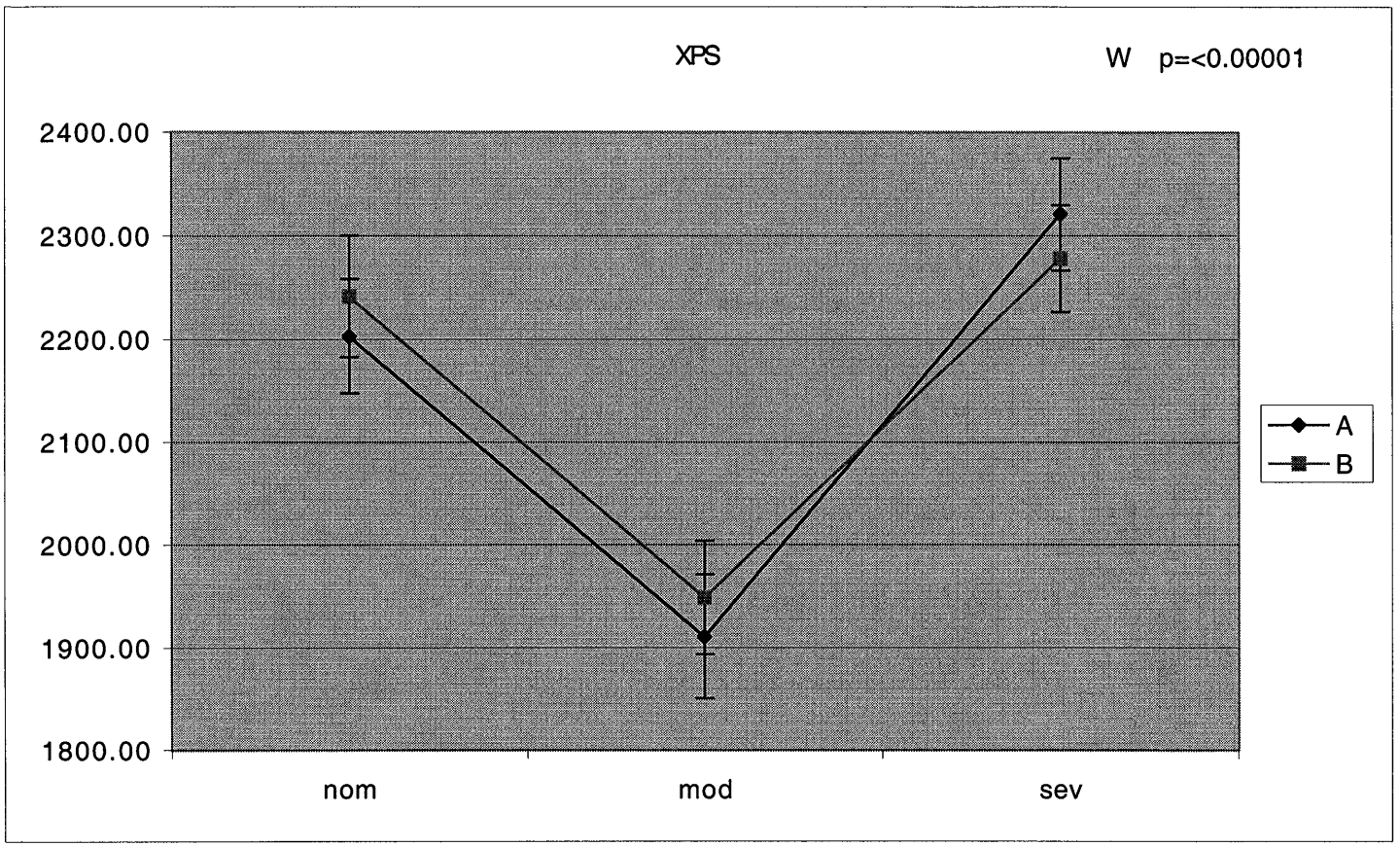
10.00
5.00
0.00
-5.00
-10.00
-15.00
-20.00
-25.00
-30.00
-35.00
pre
1-post
2-post
3-post
4-post
6-post
8-post
Nom
Mod
Sev


XPS
W p=<0.00001
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2300.00
2200.00
2100.00
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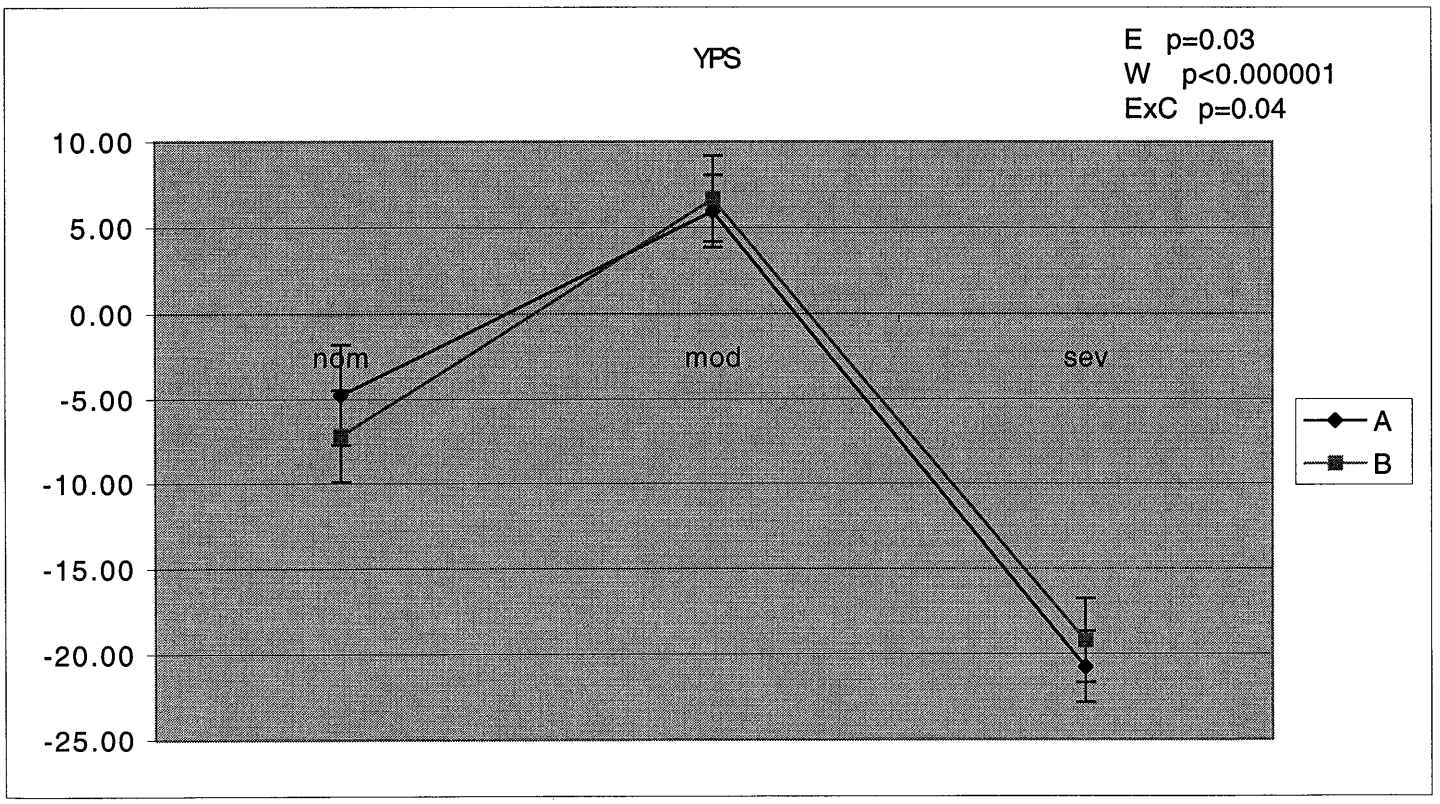
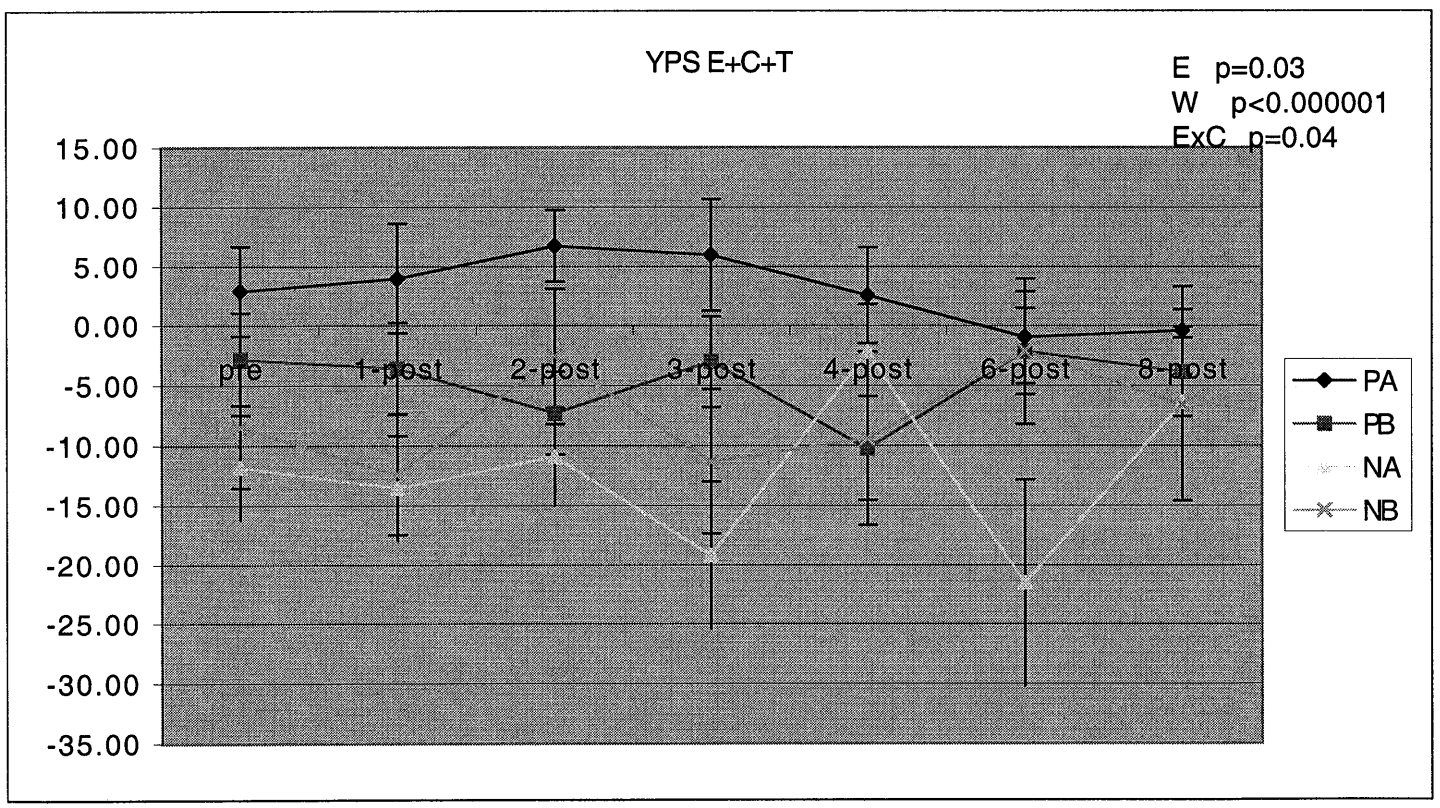
mod
sev
A
B


YPS
E p=0.03
W p<0.000001
ExC p=0.04
10.00
5.00
0.00
-5.00
-10.00
-15.00
-20.00
-25.00
nom
mod
sev
A
B


YPS E+C+T
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W p<0.000001
ExC p=0.04
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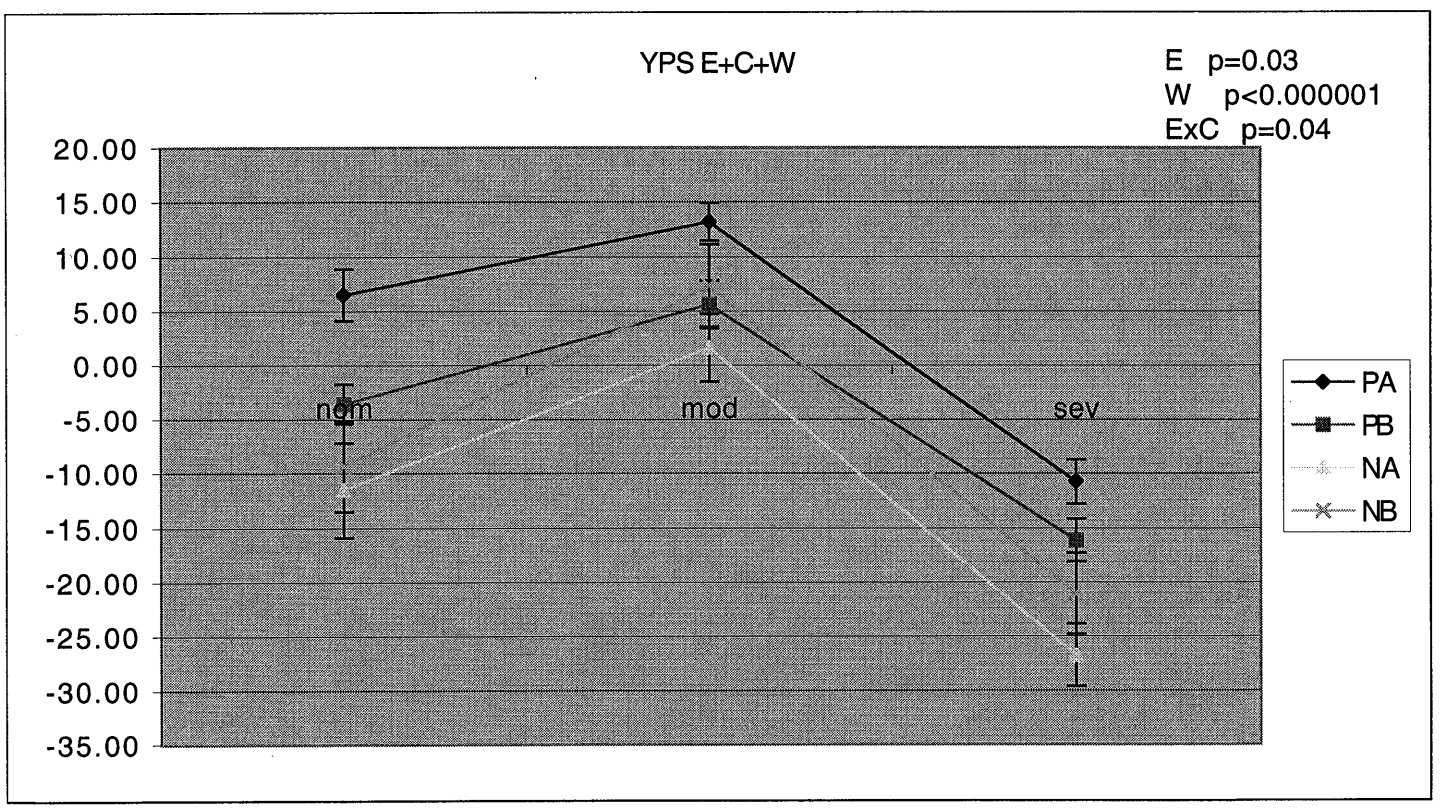
10.00
5.00
0.00
-5.00
-10.00
-15.00
-20.00
-25.00
-30.00
-35.00
pre
1-post
2-post
3-post
4-post
6-post
8-post
PA
PB
NA
NB


YPS E+C+W
E p=0.03
W p<0.000001
ExC p=0.04
20.00
15.00
10.00
5.00
0.00
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-10.00
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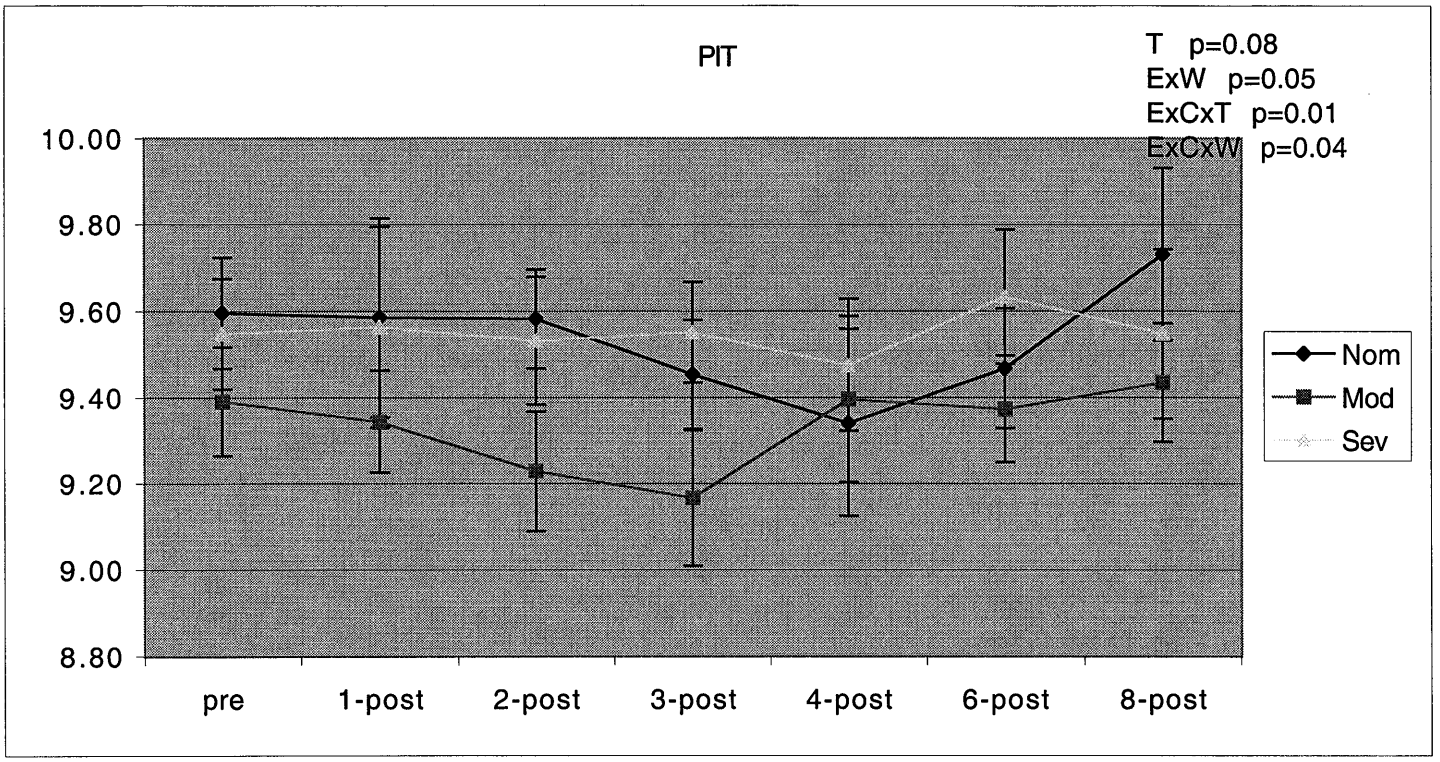
-20.00
-25.00
-30.00
-35.00
nom
mod
sev
PA
PB
NA
NB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T p=0.08
ExW p=0.05
ExCxT p=0.01
ExCxW p=0.04
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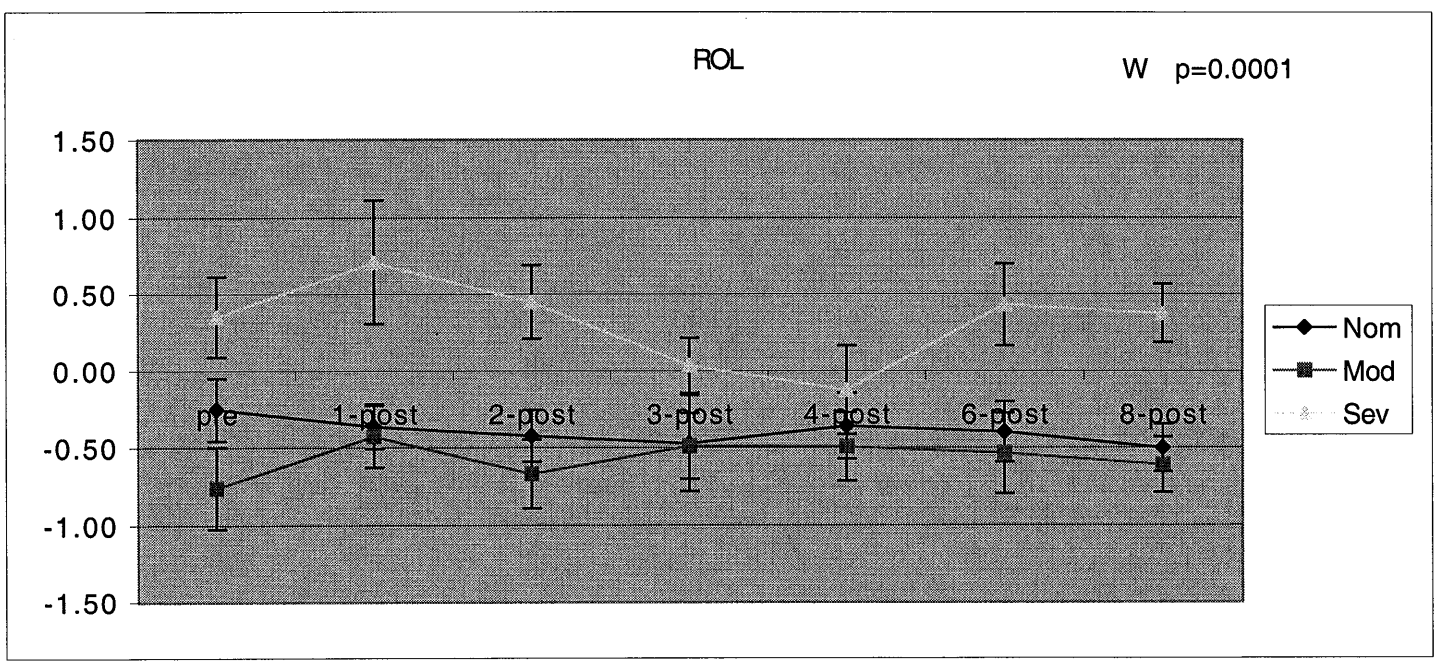
9.80
9.60
9.40
9.20
9.00
8.80
pre
1-post
2-post
3-post
4-post
6-post
8-post
Nom
Mod
Sev


ROL
W p=0.0001
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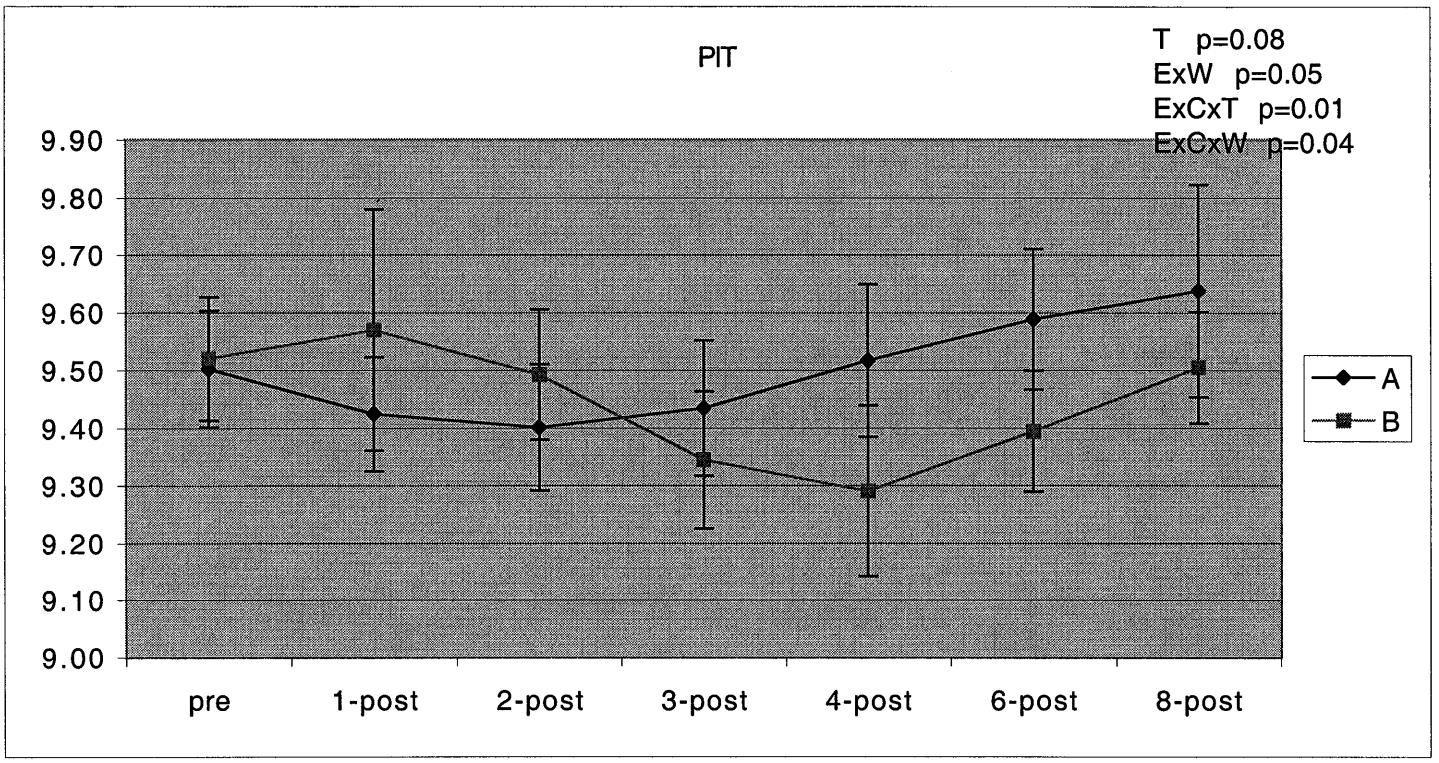
1.00
0.50
0.00
-0.50
-1.00
-1.50
pre
1-post
2-post
3-post
4-post
6-post
8-post
Nom
Mod
Sev


PIT
T p=0.08
ExW p=0.05
ExCxT p=0.01
ExCxW p=0.04
9.90
9.80
9.70
9.60
9.50
9.40
9.30
9.20
9.10
9.00
pre
1-post
2-post
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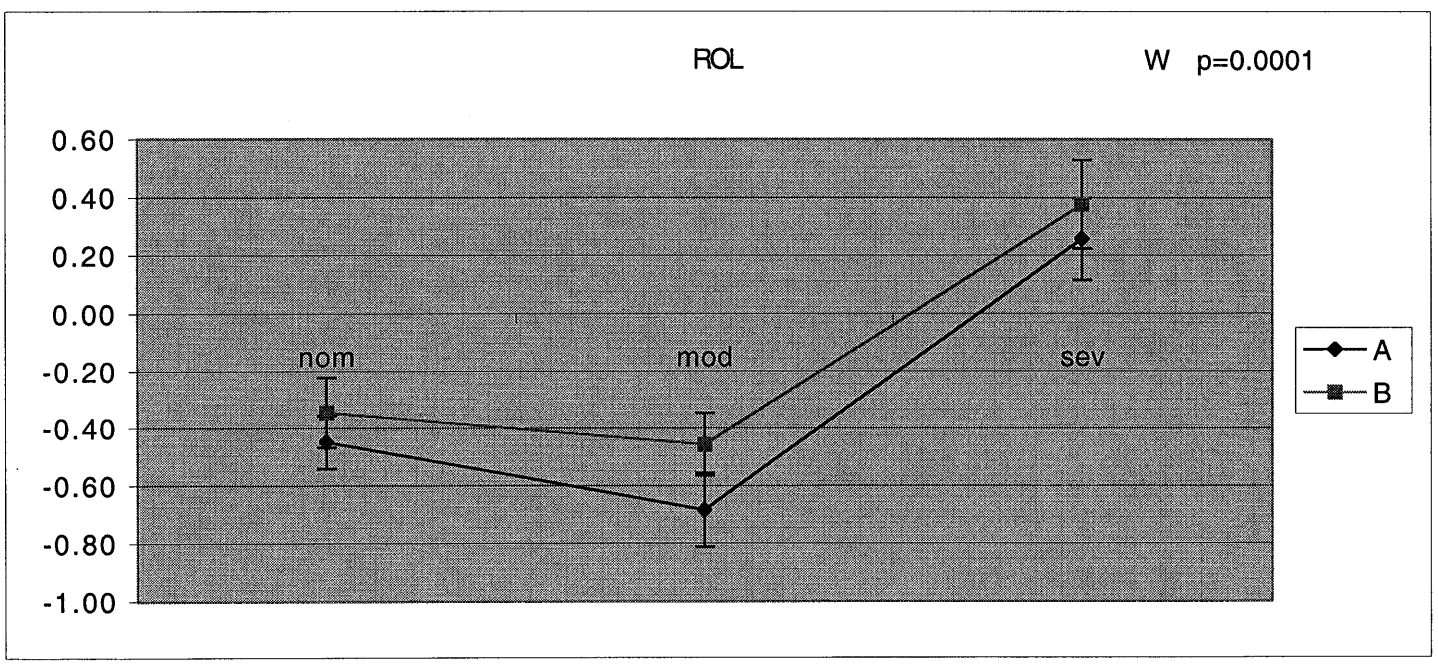
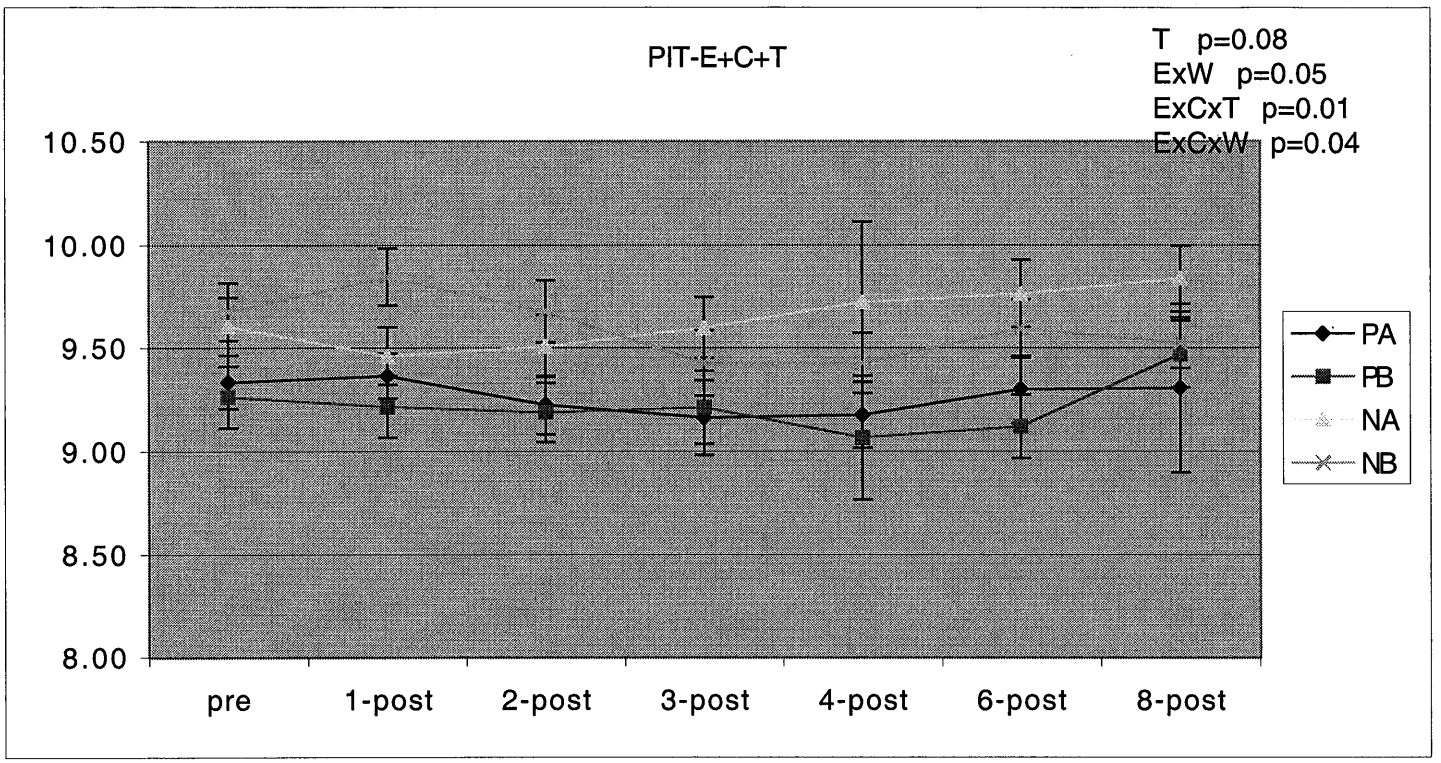
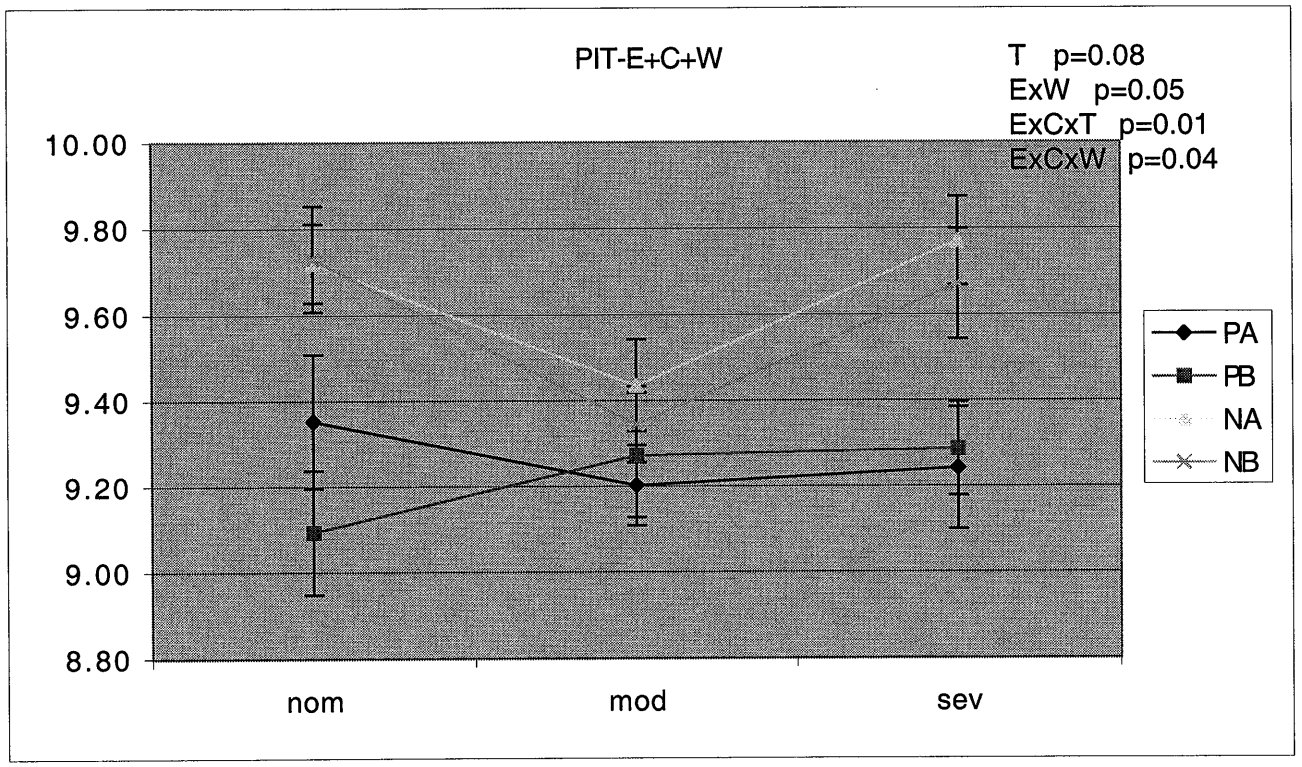
6-post
8-post
A
B


ROL
W p=0.0001
0.60
0.40
0.20
0.00
-0.20
-0.40
-0.60
-0.80
-1.00
nom
mod
sev
A
B


PIT-E+C+T
T p=0.08
ExW p=0.05
ExCxT p=0.01
ExCxW p=0.04
10.50
10.00
9.50
9.00
8.50
8.00
pre
1-post
2-post
3-post
4-post
6-post
8-post
PA
PB
NA
NB


PIT-E+C+W
T p=0.08
ExW p=0.05
ExCxT p=0.01
ExCxW p=0.04
10.00
9.80
9.60
9.40
9.20
9.00
8.80
nom
mod
sev
PA
PB
NA
NB