

Loss of alignment

With Posterior Instrumented Fusion: 348

Posterior Instrumental Fusion is Iliac: 134

Differences smaller than 10° in 6W-2Y Lordosis (top of L1-S1): 112

Without complications (PJK, PJF, DJK, DJF) ever after surgery: 81

Increment = Future - Baseline

Estability Increment Quality of Life

ODI - Score (%)

Base Time point 6M. ODI - Score (%)

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	-0.6846	0.8219	257.8661	-0.8330	0.4056
time_point	0.9196	0.6968	77.7859	1.3198	0.1908

SRS22 - SRS Subtotal score

Base Time point 6M. SRS22 - SRS Subtotal score

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	0.0499	0.0304	285.8616	1.6436	0.1014
time_point	-0.0424	0.0264	92.7220	-1.6034	0.1122

SF36 - PCS

Base Time point 6M. SF36 - PCS

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	0.7372	0.4268	266.0851	1.7273	0.0853
time_point	-0.0769	0.3061	90.6984	-0.2513	0.8021

SF36 - MCS

Base Time point 6M. SF36 - MCS

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	-0.1337	0.6340	268.3229	-0.2109	0.8332
time_point	-0.8294	0.4345	96.3686	-1.9091	0.0592

Estability Increment Radiology

Static Major curve Cobb angle

Base Time point 6W. Static Major curve Cobb angle

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	-1.3420	0.4006	302.2941	-3.3499	0.0009
time_point	0.2834	0.2873	92.7948	0.9865	0.3265

Preop & Inc preop variable: Static Major curve Cobb angle

Basic Demographics

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	2.4932	2.1325	352.3935	1.1691	0.2431
Age	-0.0612	0.0348	350.2049	-1.7581	0.0796
SiteBOR Op	-0.5105	0.8290	347.6434	-0.6158	0.5384
SiteIST Op	2.4975	1.8526	336.9211	1.3481	0.1785
SiteMAD Op	1.6440	1.3466	343.9461	1.2209	0.2230
time_point	0.2847	0.2785	93.7333	1.0223	0.3093

Factors

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	-3.1573	3.7597	340.2287	-0.8398	0.4016
Age	-0.0524	0.0392	341.7552	-1.3370	0.1821
SiteBOR Op	1.9447	1.1386	335.5515	1.7080	0.0886
SiteIST Op	2.9833	1.9359	326.2142	1.5410	0.1243
SiteMAD Op	2.7637	1.4429	333.2032	1.9153	0.0563
'Prior Spine Surgery'Yes	2.1499	0.9173	341.6880	2.3438	0.0197
'Osteoporosis / osteopenia'Yes	0.1142	0.8812	341.5386	0.1296	0.8970
essg_categoryidiopathic	-1.9300	0.9716	339.1185	-1.9865	0.0478
essg_categoryothers	-0.2528	1.3577	341.9523	-0.1862	0.8524
Non_instrumented_segments	0.0997	0.1181	335.9786	0.8440	0.3993
inc_preop	-0.0982	0.0396	339.3879	-2.4811	0.0136
preop	0.0179	0.0273	342.5408	0.6563	0.5121
time_point	0.3008	0.2723	86.4832	1.1045	0.2724

Coronal Balance (C7PL to CSVL)

Base Time point 6W. Coronal Balance (C7PL to CSVL)

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	-0.4711	0.7789	302.3214	-0.6048	0.5458
time_point	0.7276	0.6898	90.5354	1.0548	0.2943

Preop & Inc preop variable: Coronal Balance (C7PL to CSVL)

Basic Demographics

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	4.6015	4.3986	353.2134	1.0461	0.2962
Age	-0.0703	0.0715	353.8520	-0.9836	0.3260
SiteBOR Op	-0.5071	1.7899	355.5474	-0.2833	0.7771
SiteIST Op	-2.9695	3.3871	354.3938	-0.8767	0.3812

SiteMAD Op	-2.3102	2.8401	355.0000	-0.8134	0.4165
SiteZUR Op	1.8067	7.3931	302.1848	0.2444	0.8071
time_point	0.7226	0.6933	88.7843	1.0422	0.3001

Factors

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	3.1196	5.5903	348.9921	0.5580	0.5772
Age	0.0199	0.0733	348.5359	0.2710	0.7866
SiteBOR Op	-3.2500	1.8624	348.9631	-1.7451	0.0818
SiteIST Op	-6.4659	3.4828	348.8211	-1.8565	0.0642
SiteMAD Op	-0.9372	3.0689	348.9964	-0.3054	0.7603
SiteZUR Op	-0.6584	7.2853	300.6371	-0.0904	0.9280
'Prior Spine Surgery'Yes	-0.5444	1.5991	348.7489	-0.3404	0.7338
'Osteoporosis / osteopenia'Yes	3.8859	1.7887	348.9444	2.1724	0.0305
essg_categoryidiopathic	5.8576	1.8443	348.8158	3.1761	0.0016
essg_categoryothers	0.8305	2.4324	348.9123	0.3414	0.7330
Non_instrumented_segments	-0.1160	0.2416	349.0000	-0.4802	0.6314
inc_preop	-0.2772	0.0520	348.1497	-5.3277	0.0000
preop	-0.2214	0.0511	348.9323	-4.3359	0.0000
time_point	0.7743	0.6252	88.9903	1.2385	0.2188

Sagittal Balance

Base Time point 6W. Sagittal Balance

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	-2.7876	1.8997	290.9276	-1.4674	0.1434
time_point	5.5054	1.5947	88.1695	3.4523	0.0009

Preop & Inc preop variable: Sagittal Balance

Basic Demographics

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	-0.4448	10.5900	343.1462	-0.0420	0.9665
Age	0.0310	0.1717	343.6168	0.1806	0.8568
SiteBOR Op	-4.2785	4.1365	343.9763	-1.0343	0.3017
SiteIST Op	-22.2232	8.9572	343.9916	-2.4811	0.0136
SiteMAD Op	-7.4971	7.2729	343.9709	-1.0308	0.3033
SiteZUR Op	-1.6634	24.5060	275.7632	-0.0679	0.9459
time_point	5.5203	1.5914	85.1157	3.4688	0.0008

Factors

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	3.4104	12.5764	336.9265	0.2712	0.7864
Age	-0.1726	0.1736	337.0000	-0.9944	0.3207
SiteBOR Op	-5.7222	4.1273	336.5481	-1.3864	0.1665
SiteIST Op	-13.7303	8.8010	336.6707	-1.5601	0.1197
SiteMAD Op	-4.0954	7.4844	336.5429	-0.5472	0.5846
SiteZUR Op	-8.1592	23.5398	274.4982	-0.3466	0.7291
'Prior Spine Surgery'Yes	-16.7456	3.8111	336.9407	-4.3940	0.0000
'Osteoporosis / osteopenia'Yes	8.5360	4.0765	336.9999	2.0940	0.0370
essg_categoryidiopathic	2.4773	4.2075	336.9879	0.5888	0.5564
essg_categoryothers	1.7809	5.6949	336.0270	0.3127	0.7547
Non_instrumented_segments	1.1272	0.5190	336.8581	2.1717	0.0306

inc_preop	-0.2733	0.0614	336.9991	-4.4491	0.0000
preop	-0.1293	0.0597	336.9985	-2.1637	0.0312
time_point	5.5660	1.4315	85.8561	3.8883	0.0002

Sagittal T2-T5

Base Time point 6W. Sagittal T2-T5

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	-1.1092	0.4005	278.6337	-2.7695	0.0060
time_point	0.4973	0.3503	78.0005	1.4194	0.1598

Preop & Inc preop variable: Sagittal T2-T5

Basic Demographics

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	-3.1342	2.3006	331.0000	-1.3624	0.1740
Age	0.0205	0.0370	331.5136	0.5542	0.5798
SiteBOR Op	0.8426	0.8663	331.9420	0.9727	0.3314
SiteIST Op	-1.2467	2.1149	330.2509	-0.5895	0.5559
SiteMAD Op	2.7470	1.3842	331.8255	1.9845	0.0480
SiteZUR Op	1.1476	3.6510	277.7050	0.3143	0.7535
time_point	0.5153	0.3459	78.0904	1.4899	0.1403

Factors

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	6.7594	2.8282	323.7353	2.3900	0.0174
Age	-0.0003	0.0354	323.8296	-0.0085	0.9932
SiteBOR Op	0.4229	0.8408	322.3713	0.5030	0.6153
SiteIST Op	-1.8180	2.0841	322.6478	-0.8723	0.3837
SiteMAD Op	0.8941	1.3757	322.5487	0.6499	0.5162
SiteZUR Op	3.2245	3.5816	282.6776	0.9003	0.3687
'Prior Spine Surgery'Yes	0.9619	0.8036	323.8838	1.1969	0.2322
'Osteoporosis / osteopenia'Yes	-1.1575	0.8889	324.0880	-1.3023	0.1938
essg_categoryidiopathic	0.2898	0.8880	323.4681	0.3263	0.7444
essg_categoryothers	-0.9058	1.2478	322.5350	-0.7260	0.4684
Non_instrumented_segments	-0.3936	0.1141	322.8216	-3.4483	0.0006
inc_preop	-0.4083	0.0550	323.5851	-7.4266	0.0000
preop	-0.3537	0.0607	323.0774	-5.8292	0.0000
time_point	0.5264	0.2902	83.0205	1.8140	0.0733

Sagittal T5-T12

Base Time point 6W. Sagittal T5-T12

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	1.3235	0.4292	312.2337	3.0839	0.0022
time_point	1.3611	0.3948	90.8590	3.4477	0.0009

Preop & Inc preop variable: Sagittal T5-T12

Basic Demographics

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	-4.6212	2.4213	368.6633	-1.9086	0.0571

Age	0.0707	0.0390	369.2568	1.8139	0.0705
SiteBOR Op	1.8580	0.9601	370.4862	1.9353	0.0537
SiteIST Op	1.1914	2.0909	369.6358	0.5698	0.5692
SiteMAD Op	3.5105	1.5772	370.0689	2.2258	0.0266
SiteZUR Op	-0.1877	5.7354	298.8866	-0.0327	0.9739
time_point	1.3825	0.3788	89.5892	3.6494	0.0004

Factors

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	0.2296	3.3366	363.6061	0.0688	0.9452
Age	0.0913	0.0414	362.6248	2.2035	0.0282
SiteBOR Op	0.6215	1.0620	363.5451	0.5852	0.5588
SiteIST Op	-1.0640	2.3019	363.4485	-0.4622	0.6442
SiteMAD Op	0.4965	1.8154	363.0685	0.2735	0.7846
SiteZUR Op	-1.0666	5.7212	296.9634	-0.1864	0.8522
'Prior Spine Surgery'Yes	-0.7001	0.9913	363.7432	-0.7063	0.4805
'Osteoporosis / osteopenia'Yes	-0.0907	1.0770	363.3159	-0.0842	0.9329
essg_categoryidiopathic	-0.2295	1.0440	362.5899	-0.2198	0.8261
essg_categoryothers	1.0508	1.4193	364.0000	0.7404	0.4596
Non_instrumented_segments	-0.0727	0.1469	363.6550	-0.4946	0.6211
inc_preop	-0.1357	0.0407	363.7228	-3.3380	0.0009
preop	-0.1174	0.0336	363.7528	-3.4920	0.0005
time_point	1.3862	0.3708	90.5281	3.7379	0.0003

Sagittal T2-T12

Base Time point 6W. Sagittal T2-T12

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	0.4954	0.4196	303.4505	1.1805	0.2387
time_point	1.1892	0.4151	81.3859	2.8651	0.0053

Preop & Inc preop variable: Sagittal T2-T12

Basic Demographics

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	-6.1124	2.4116	363.9627	-2.5345	0.0117
Age	0.0806	0.0394	364.8742	2.0454	0.0415
SiteBOR Op	2.1437	0.9303	365.9174	2.3043	0.0218
SiteIST Op	-0.6251	1.9713	367.8621	-0.3171	0.7513
SiteMAD Op	3.3055	1.5248	365.1146	2.1679	0.0308
SiteZUR Op	3.8329	4.0216	306.1581	0.9531	0.3413
time_point	1.2361	0.3914	81.6041	3.1581	0.0022

Factors

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	0.0976	3.4186	358.5243	0.0286	0.9772
Age	0.0890	0.0417	357.9568	2.1358	0.0334
SiteBOR Op	1.5092	1.0285	358.5138	1.4673	0.1432
SiteIST Op	-3.1152	2.2116	360.5621	-1.4086	0.1598
SiteMAD Op	1.1738	1.7554	357.7610	0.6687	0.5041
SiteZUR Op	4.0285	4.1113	305.4306	0.9799	0.3279
'Prior Spine Surgery'Yes	-0.1668	0.9657	359.4052	-0.1727	0.8630
'Osteoporosis / osteopenia'Yes	-0.0879	0.9914	359.3538	-0.0887	0.9294

essg_categoryidiopathic	-0.3785	1.0095	356.1376	-0.3749	0.7079
essg_categoryothers	1.1561	1.3443	361.3633	0.8599	0.3904
Non_instrumented_segments	-0.3207	0.1366	358.0647	-2.3469	0.0195
inc_preop	-0.0949	0.0431	358.2378	-2.2026	0.0283
preop	-0.0718	0.0325	357.5401	-2.2114	0.0276
time_point	1.2560	0.3854	80.6095	3.2586	0.0016

Lordosis (top of L1-S1)

Base Time point 6W. Lordosis (top of L1-S1)

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	0.1865	0.3298	337.9531	0.5655	0.5721
time_point	0.7607	0.2890	105.2433	2.6324	0.0098

Preop & Inc preop variable: Lordosis (top of L1-S1)

Basic Demographics

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	1.8274	1.8372	390.6816	0.9946	0.3205
Age	-0.0211	0.0298	391.1943	-0.7079	0.4794
SiteBOR Op	-0.1088	0.7295	391.7815	-0.1492	0.8815
SiteIST Op	-0.9202	1.4487	391.9556	-0.6352	0.5257
SiteMAD Op	-2.3379	1.2160	391.7275	-1.9226	0.0553
SiteZUR Op	-1.3967	2.6111	386.5756	-0.5349	0.5930
time_point	0.7581	0.2856	105.3682	2.6541	0.0092

Factors

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	-3.9410	2.6901	384.7605	-1.4650	0.1437
Age	-0.0369	0.0310	384.7870	-1.1895	0.2350
SiteBOR Op	-0.2706	0.7712	384.9834	-0.3509	0.7258
SiteIST Op	0.7583	1.5045	384.8911	0.5040	0.6146
SiteMAD Op	-1.1961	1.3327	384.8978	-0.8975	0.3700
SiteZUR Op	1.0905	2.7476	383.2312	0.3969	0.6917
'Prior Spine Surgery'Yes	-1.3170	0.6964	384.9787	-1.8912	0.0593
'Osteoporosis / osteopenia'Yes	0.7710	0.7629	384.9522	1.0105	0.3129
essg_categoryidiopathic	1.5950	0.7932	384.9510	2.0110	0.0450
essg_categoryothers	-0.9744	1.0397	384.8275	-0.9372	0.3493
Non_instrumented_segments	-0.0027	0.0992	384.8954	-0.0276	0.9780
inc_preop	-0.1626	0.0323	384.9956	-5.0375	0.0000
preop	-0.1048	0.0260	384.9930	-4.0327	0.0001
time_point	0.7874	0.2661	102.9538	2.9592	0.0038

Pelvic Incidence

Base Time point 6W. Pelvic Incidence

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	0.1797	0.1614	324.6985	1.1134	0.2663
time_point	0.0150	0.1057	94.1802	0.1420	0.8874

Preop & Inc preop variable: Pelvic Incidence

Basic Demographics

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	-0.2315	0.8371	374.0846	-0.2766	0.7822
Age	0.0103	0.0135	368.5958	0.7636	0.4456
SiteBOR Op	-0.4424	0.3314	365.0257	-1.3350	0.1827
SiteIST Op	0.6554	0.6423	366.2268	1.0205	0.3082
SiteMAD Op	-0.0005	0.5498	358.8589	-0.0009	0.9993
SiteZUR Op	-0.6815	1.1892	355.4247	-0.5731	0.5669
time_point	0.0131	0.1064	89.1892	0.1230	0.9024

Factors

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	1.2237	1.0863	291.7644	1.1265	0.2609
Age	-0.0014	0.0135	278.8640	-0.1017	0.9191
SiteBOR Op	-0.1289	0.3356	286.3440	-0.3840	0.7013
SiteIST Op	0.6087	0.6234	301.1406	0.9764	0.3296
SiteMAD Op	0.9914	0.5932	265.7742	1.6713	0.0958
SiteZUR Op	-0.0621	1.1283	188.6537	-0.0550	0.9562
'Prior Spine Surgery'Yes	-0.1622	0.3023	284.5313	-0.5366	0.5920
'Osteoporosis / osteopenia'Yes	0.2629	0.3591	305.3338	0.7321	0.4646
essg_categoryidiopathic	-0.5501	0.3381	264.1603	-1.6270	0.1049
essg_categoryothers	0.0884	0.4694	336.4743	0.1883	0.8508
Non_instrumented_segments	-0.0171	0.0425	281.2916	-0.4023	0.6877
inc_preop	-0.2197	0.0392	281.4838	-5.6083	0.0000
preop	-0.0126	0.0106	262.7055	-1.1930	0.2339
time_point	0.0406	0.0873	101.4361	0.4648	0.6431

Pelvic Tilt

Base Time point 6W. Pelvic Tilt

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	1.1117	0.2853	324.8825	3.8965	1e-04
time_point	0.9519	0.2464	93.4643	3.8634	2e-04

Preop & Inc preop variable: Pelvic Tilt

Basic Demographics

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	1.2369	1.5750	385.2741	0.7854	0.4327
Age	-0.0100	0.0256	385.9247	-0.3924	0.6950
SiteBOR Op	0.8534	0.6284	386.6728	1.3579	0.1753
SiteIST Op	-0.2245	1.2198	386.8806	-0.1841	0.8541
SiteMAD Op	0.5111	1.0430	386.5903	0.4900	0.6244
SiteZUR Op	-2.5322	2.2381	380.2666	-1.1314	0.2586
time_point	0.9562	0.2464	92.4792	3.8808	0.0002

Factors

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	0.8049	1.8827	379.4533	0.4276	0.6692
Age	-0.0128	0.0255	379.6749	-0.5015	0.6163
SiteBOR Op	0.3741	0.6389	378.5779	0.5855	0.5585
SiteIST Op	1.0242	1.1895	377.2719	0.8611	0.3898
SiteMAD Op	1.9761	1.0483	377.9896	1.8850	0.0602

SiteZUR Op	-1.1204	2.1205	379.9918	-0.5284	0.5976
'Prior Spine Surgery'Yes	-0.4288	0.5936	379.3782	-0.7224	0.4705
'Osteoporosis / osteopenia'Yes	-0.4699	0.6375	379.7198	-0.7371	0.4615
essg_categoryidiopathic	0.3692	0.6384	379.2416	0.5784	0.5634
essg_categoryothers	-0.6951	0.8545	378.7840	-0.8134	0.4165
Non_instrumented_segments	0.0474	0.0864	379.6328	0.5484	0.5838
inc_preop	-0.2954	0.0383	379.9038	-7.7225	0.0000
preop	-0.0626	0.0319	379.5886	-1.9629	0.0504
time_point	0.9887	0.2086	97.0582	4.7403	0.0000

Sacral Slope

Base Time point 6W. Sacral Slope

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	-0.9747	0.3044	325.7735	-3.2024	0.0015
time_point	-0.9737	0.2543	93.6482	-3.8285	0.0002

Preop & Inc preop variable: Sacral Slope

Basic Demographics

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	-1.9649	1.6591	387.2750	-1.1843	0.2370
Age	0.0287	0.0269	387.7117	1.0648	0.2876
SiteBOR Op	-1.4303	0.6602	387.9972	-2.1664	0.0309
SiteIST Op	1.0512	1.2826	387.3846	0.8196	0.4130
SiteMAD Op	-0.3318	1.0973	387.9970	-0.3024	0.7625
SiteZUR Op	1.5016	2.3592	384.1788	0.6365	0.5248
time_point	-0.9845	0.2530	93.4400	-3.8913	0.0002

Factors

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	3.0946	2.1183	374.5280	1.4609	0.1449
Age	0.0247	0.0257	372.8180	0.9606	0.3374
SiteBOR Op	-0.2612	0.6536	369.6323	-0.3996	0.6897
SiteIST Op	0.1298	1.2173	369.0302	0.1066	0.9151
SiteMAD Op	-0.1748	1.0548	366.4873	-0.1657	0.8685
SiteZUR Op	1.1206	2.1768	369.9309	0.5148	0.6070
'Prior Spine Surgery'Yes	0.5673	0.6248	371.4044	0.9080	0.3645
'Osteoporosis / osteopenia'Yes	0.9078	0.6436	375.1698	1.4106	0.1592
essg_categoryidiopathic	-0.8324	0.6594	369.6613	-1.2624	0.2076
essg_categoryothers	1.1445	0.8791	374.0877	1.3019	0.1938
Non_instrumented_segments	-0.0413	0.0878	369.3855	-0.4698	0.6388
inc_preop	-0.3255	0.0360	373.8131	-9.0306	0.0000
preop	-0.1002	0.0286	370.2065	-3.5081	0.0005
time_point	-0.9913	0.1971	98.4473	-5.0287	0.0000

RLL

Base Time point 6W. RLL

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	-0.3191	0.3187	334.3449	-1.0012	0.3175

time_point	-0.7815	0.2827	104.5635	-2.7645	0.0067
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Preop & Inc preop variable: RLL

Basic Demographics

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	-1.4907	1.7691	385.4713	-0.8427	0.3999
Age	0.0123	0.0287	386.0178	0.4286	0.6684
SiteBOR Op	0.3107	0.7045	386.6854	0.4410	0.6594
SiteIST Op	0.3037	1.3949	386.9072	0.2177	0.8277
SiteMAD Op	2.1687	1.1708	386.5891	1.8524	0.0647
SiteZUR Op	1.7436	2.5129	381.0054	0.6939	0.4882
time_point	-0.7780	0.2791	103.9381	-2.7874	0.0063

Factors

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	-1.7414	2.1737	379.8251	-0.8012	0.4235
Age	0.0183	0.0300	379.3457	0.6091	0.5428
SiteBOR Op	-0.1512	0.7697	379.9610	-0.1964	0.8444
SiteIST Op	-2.1219	1.4916	379.9915	-1.4226	0.1557
SiteMAD Op	0.5838	1.3307	379.9687	0.4388	0.6611
SiteZUR Op	0.5393	2.6987	377.3975	0.1998	0.8417
'Prior Spine Surgery'Yes	1.4462	0.6718	379.8052	2.1527	0.0320
'Osteoporosis / osteopenia'Yes	-1.0167	0.7379	379.7798	-1.3778	0.1691
essg_categoryidiopathic	-1.2427	0.7648	379.7306	-1.6250	0.1050
essg_categoryothers	0.7116	1.0053	379.9561	0.7078	0.4795
Non_instrumented_segments	-0.0621	0.1001	379.3902	-0.6202	0.5355
inc_preop	-0.1753	0.0348	379.5320	-5.0299	0.0000
preop	-0.1413	0.0322	379.7874	-4.3813	0.0000
time_point	-0.8098	0.2626	101.8470	-3.0835	0.0026

Global Tilt

Base Time point 6W. Global Tilt

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	0.9836	0.3009	313.1483	3.2683	0.0012
time_point	1.8400	0.2794	101.1771	6.5858	0.0000

Preop & Inc preop variable: Global Tilt

Basic Demographics

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	0.8675	1.6964	359.7776	0.5114	0.6094
Age	-0.0081	0.0271	360.1655	-0.2987	0.7653
SiteBOR Op	1.1138	0.6631	361.5790	1.6795	0.0939
SiteIST Op	-0.2054	1.2851	363.5489	-0.1598	0.8731
SiteMAD Op	-0.4869	1.1662	361.8765	-0.4175	0.6766
SiteZUR Op	-0.7652	2.7228	353.6377	-0.2810	0.7788
time_point	1.8510	0.2804	99.1680	6.6015	0.0000

Factors

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	1.4192	2.1390	354.3366	0.6635	0.5074
Age	-0.0311	0.0305	351.5065	-1.0199	0.3085

SiteBOR Op	0.3187	0.7565	355.6764	0.4213	0.6738
SiteIST Op	-0.2900	1.3330	356.4994	-0.2175	0.8279
SiteMAD Op	-0.2509	1.2663	355.0906	-0.1981	0.8431
SiteZUR Op	-1.9916	2.7409	347.5667	-0.7266	0.4679
'Prior Spine Surgery'Yes	-1.6773	0.6863	354.4506	-2.4438	0.0150
'Osteoporosis / osteopenia'Yes	-0.6386	0.7139	353.6409	-0.8945	0.3717
essg_categoryidiopathic	0.9085	0.7408	353.2080	1.2264	0.2209
essg_categoryothers	-0.0335	0.9583	356.2715	-0.0350	0.9721
Non_instrumented_segments	0.0576	0.0946	352.4596	0.6086	0.5432
inc_preop	-0.0807	0.0369	352.2547	-2.1877	0.0293
preop	0.0067	0.0314	351.7875	0.2129	0.8315
time_point	1.8670	0.2758	97.8080	6.7703	0.0000

T1 Sagittal Tilt

Base Time point 6W. T1 Sagittal Tilt

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	-0.2678	0.2110	229.7626	-1.2692	0.2056
time_point	0.3489	0.2037	57.9704	1.7128	0.0921

Preop & Inc preop variable: T1 Sagittal Tilt

Basic Demographics

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	-2.4714	1.1046	279.7011	-2.2373	0.0261
Age	0.0348	0.0183	280.3162	1.8973	0.0588
SiteBOR Op	-0.0062	0.4693	278.9207	-0.0133	0.9894
SiteIST Op	0.6615	0.9850	283.3332	0.6715	0.5024
SiteMAD Op	0.3730	0.7690	282.8810	0.4851	0.6280
SiteZUR Op	1.3460	1.7198	273.8151	0.7827	0.4345
time_point	0.3452	0.1980	59.6612	1.7431	0.0865

Factors

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	-3.3433	1.4062	278.9954	-2.3775	0.0181
Age	0.0105	0.0194	278.8996	0.5419	0.5883
SiteBOR Op	-0.6340	0.4892	278.9870	-1.2960	0.1960
SiteIST Op	-0.2699	1.0147	278.9982	-0.2660	0.7904
SiteMAD Op	0.1091	0.7930	278.0136	0.1376	0.8906
SiteZUR Op	0.3614	1.6800	278.8417	0.2151	0.8298
'Prior Spine Surgery'Yes	-1.5413	0.4416	278.9775	-3.4900	0.0006
'Osteoporosis / osteopenia'Yes	0.7953	0.4933	278.9065	1.6122	0.1081
essg_categoryidiopathic	0.5864	0.4676	278.9940	1.2541	0.2108
essg_categoryothers	0.7854	0.6322	278.9904	1.2423	0.2152
Non_instrumented_segments	0.1720	0.0582	278.9834	2.9544	0.0034
inc_preop	-0.3733	0.0673	278.7093	-5.5438	0.0000
preop	-0.2545	0.0647	278.9873	-3.9306	0.0001
time_point	0.3533	0.1615	63.5658	2.1876	0.0324

Thoracolumbar L2-T10

Base Time point 6W. Thoracolumbar L2-T10

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	0.1784	0.3989	265.5103	0.4471	0.6551
time_point	-0.0173	0.3741	68.1820	-0.0463	0.9632

Preop & Inc preop variable: Thoracolumbar L2-T10

Basic Demographics

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	-1.4285	2.1342	330.4200	-0.6693	0.5037
Age	0.0439	0.0348	331.7126	1.2622	0.2078
SiteBOR Op	-1.2981	0.8724	332.5452	-1.4879	0.1377
SiteIST Op	-4.8916	1.6461	332.9989	-2.9716	0.0032
SiteMAD Op	-0.1555	1.5177	332.8973	-0.1024	0.9185
SiteZUR Op	-2.0490	3.6695	263.6156	-0.5584	0.5771
time_point	0.0000	0.3500	65.9540	-0.0001	0.9999

Factors

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	-2.1324	2.7923	324.5533	-0.7637	0.4456
Age	0.0509	0.0368	325.0164	1.3821	0.1679
SiteBOR Op	-1.1222	0.9287	325.9153	-1.2084	0.2278
SiteIST Op	-4.1875	1.6739	325.9645	-2.5016	0.0129
SiteMAD Op	-0.8302	1.6041	325.9772	-0.5175	0.6051
SiteZUR Op	-0.6310	3.7139	265.5559	-0.1699	0.8652
'Prior Spine Surgery'Yes	-1.7128	0.8609	325.5762	-1.9895	0.0475
'Osteoporosis / osteopenia'Yes	-0.6919	0.9870	325.5645	-0.7010	0.4838
essg_categoryidiopathic	1.0246	0.9552	325.6788	1.0727	0.2842
essg_categoryothers	0.8734	1.3771	325.8098	0.6343	0.5264
Non_instrumented_segments	0.1484	0.1241	325.4642	1.1952	0.2329
inc_preop	-0.1821	0.0478	325.1972	-3.8116	0.0002
preop	-0.1142	0.0411	325.7565	-2.7816	0.0057
time_point	0.0228	0.3384	65.9012	0.0673	0.9466

RSA

Base Time point 6W. RSA

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	0.8767	0.2983	312.7298	2.9386	0.0035
time_point	1.8576	0.2748	100.5738	6.7586	0.0000

Preop & Inc preop variable: Global Tilt

Basic Demographics

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	1.8987	2.3293	289.2574	0.8152	0.4157
Age	-0.0219	0.0369	288.8699	-0.5925	0.5540
SiteBOR Op	1.9000	0.9027	287.1087	2.1047	0.0362
SiteIST Op	-0.9824	1.7927	279.4042	-0.5480	0.5841
SiteMAD Op	-1.1890	1.5634	286.9089	-0.7605	0.4476
SiteZUR Op	-1.4802	3.9992	288.3453	-0.3701	0.7116
time_point	1.6404	0.3046	119.8279	5.3852	0.0000

Factors

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	2.3895	2.8958	281.4408	0.8252	0.4100
Age	-0.0538	0.0409	282.9085	-1.3162	0.1892
SiteBOR Op	0.6365	1.0091	279.9294	0.6307	0.5287
SiteIST Op	-1.3819	1.8229	274.8529	-0.7581	0.4491
SiteMAD Op	-0.7504	1.6778	280.8661	-0.4472	0.6550
SiteZUR Op	-3.3471	3.9610	282.2108	-0.8450	0.3988
'Prior Spine Surgery'Yes	-2.4720	0.9276	280.9580	-2.6648	0.0081
'Osteoporosis / osteopenia'Yes	-0.9647	0.9613	282.0789	-1.0036	0.3164
essg_categoryidiopathic	1.7148	1.0025	281.8452	1.7106	0.0883
essg_categoryothers	-0.4297	1.3065	277.2537	-0.3289	0.7425
Non_instrumented_segments	0.1070	0.1288	282.0349	0.8304	0.4070
inc_preop	-0.1331	0.0496	282.6724	-2.6841	0.0077
preop	0.0030	0.0420	282.8921	0.0719	0.9427
time_point	1.6803	0.3005	113.8413	5.5919	0.0000

RPV

Base Time point 6W. RPV

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	-1.0921	0.2863	326.3887	-3.8145	2e-04
time_point	-0.9687	0.2457	94.2508	-3.9434	2e-04

Preop & Inc preop variable: Sacral Slope

Basic Demographics

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	-2.9445	2.1418	305.5423	-1.3748	0.1702
Age	0.0330	0.0345	303.0612	0.9582	0.3387
SiteBOR Op	-1.7650	0.8462	298.9343	-2.0858	0.0378
SiteIST Op	0.9644	1.6729	288.8323	0.5765	0.5647
SiteMAD Op	-0.5852	1.3879	299.8266	-0.4216	0.6736
SiteZUR Op	2.8243	2.9658	309.3812	0.9523	0.3417
time_point	-0.6971	0.2685	119.9658	-2.5962	0.0106

Factors

	Estimate	Std. Error	df	t value	Pr(> t)
(Intercept)	3.8216	2.4888	282.4972	1.5355	0.1258
Age	0.0310	0.0301	279.7993	1.0308	0.3035
SiteBOR Op	-0.1890	0.7610	275.1458	-0.2483	0.8041
SiteIST Op	-0.6941	1.4462	267.5928	-0.4799	0.6317
SiteMAD Op	-0.3219	1.2174	272.8441	-0.2644	0.7917
SiteZUR Op	2.1688	2.4987	280.0052	0.8680	0.3861
'Prior Spine Surgery'Yes	1.0841	0.7332	276.2611	1.4785	0.1404
'Osteoporosis / osteopenia'Yes	1.5266	0.7561	283.0192	2.0192	0.0444
essg_categoryidiopathic	-0.8152	0.7770	271.7805	-1.0491	0.2951
essg_categoryothers	1.0614	1.0436	277.7483	1.0171	0.3100
Non_instrumented_segments	-0.0463	0.1040	269.7342	-0.4452	0.6565
inc_preop	-0.4718	0.0423	280.9957	-11.1631	0.0000
preop	-0.1410	0.0336	273.4461	-4.1960	0.0000
time_point	-0.7315	0.2077	124.7926	-3.5212	0.0006