

## LIV L4/L5 stability

### Selection criteria

```
data_ %<>% .['Posterior Instrumented Fusion' == 'Yes']

data_[, 'Posterior Instrumented Fusion: Upper / Lower Levels'] %>%
  sapply(. %>% strsplit('-',) %>% .[[1]] %>% .[2]) ->
  post_intr_fusion

data_[post_intr_fusion == 'L4', type := 'L4']
data_[post_intr_fusion == 'L5', type := 'L5']

data_ %<>% .[!is.na(get(treatment_))]
```

Patients: 81

*Increment = Future - Baseline*

### 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)	-0.2407	0.6270	264.5586	-0.3838	0.7014
time_point	0.7898	0.3180	92.4003	2.4841	0.0148
typeL5	-0.4377	0.8169	277.2568	-0.5358	0.5925

  

	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	1.7491	3.3731	265.0442	0.5186	0.6045
Age	-0.0394	0.0380	264.2476	-1.0369	0.3007
SiteBOR Op	-1.4406	1.4815	261.8539	-0.9724	0.3318
SiteIST Op	-2.5953	1.7053	263.4524	-1.5219	0.1292
SiteMAD Op	-0.3650	1.2603	263.6503	-0.2896	0.7723
SiteZUR Op	-3.7016	1.6390	262.5253	-2.2584	0.0247
'Prior Spine Surgery'Yes	-2.6281	1.3495	264.3174	-1.9475	0.0525
'Osteoporosis / osteopenia'Yes	1.7100	1.4055	264.0250	1.2167	0.2248
essg_categoryidiopathic	-2.3823	1.5450	265.5110	-1.5420	0.1243
essg_categoryothers	-2.9095	1.9337	260.4362	-1.5047	0.1336
Non_instrumented_segments	0.3667	0.1669	263.0408	2.1966	0.0289
inc_preop	-0.1165	0.0460	265.2103	-2.5300	0.0120
preop	-0.0431	0.0319	267.2400	-1.3514	0.1777
time_point	0.7890	0.3061	88.8029	2.5774	0.0116
typeL5	-0.4068	0.9546	265.1458	-0.4262	0.6703

### ### 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)	-10.2279	1.4868	203.8501	-6.8792	0.0000
time_point	0.1346	0.7206	93.9168	0.1868	0.8522
typeL5	9.7470	2.0058	214.8905	4.8594	0.0000

  

	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	-6.5191	4.9126	201.7967	-1.3270	0.1860
Age	0.1345	0.0714	201.3420	1.8822	0.0612
SiteBOR Op	-2.0639	2.3847	200.3981	-0.8655	0.3878
SiteIST Op	-2.6216	4.0476	203.5701	-0.6477	0.5179
SiteMAD Op	2.0566	2.3188	199.2654	0.8869	0.3762
SiteZUR Op	7.7839	3.5559	199.5102	2.1890	0.0298
'Prior Spine Surgery'Yes	-5.5374	2.3640	200.0104	-2.3424	0.0201
'Osteoporosis / osteopenia'Yes	-2.5149	2.6930	200.6850	-0.9339	0.3515
essg_categoryidiopathic	3.1737	2.5966	198.3120	1.2222	0.2231
essg_categoryothers	10.3211	3.3248	202.2218	3.1042	0.0022
Non_instrumented_segments	0.0343	0.3520	201.5187	0.0974	0.9225
inc_preop	-0.7873	0.0612	203.6734	-12.8585	0.0000
preop	-0.4831	0.0716	203.3957	-6.7479	0.0000
time_point	-0.1353	0.5297	77.0572	-0.2554	0.7991
typeL5	7.2491	2.0926	198.4242	3.4642	0.0007

### ### Sagittal Balance

Base Time point 6W. Sagittal Balance

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	-18.3738	3.8841	208.8816	-4.7305	0.0000
time_point	4.5031	1.9840	79.0701	2.2697	0.0260
typeL5	10.5525	5.1460	223.7689	2.0506	0.0415

  

	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	-29.1098	15.5915	212.8753	-1.8670	0.0633
Age	0.0619	0.2225	212.8502	0.2783	0.7811
SiteBOR Op	-2.9180	7.9327	212.4033	-0.3678	0.7134
SiteIST Op	9.8438	11.3257	212.8635	0.8692	0.3857
SiteMAD Op	14.4028	7.2888	212.9382	1.9760	0.0494
SiteZUR Op	6.7074	9.5652	209.5135	0.7012	0.4839
'Prior Spine Surgery'Yes	2.1337	7.8519	208.4678	0.2717	0.7861
'Osteoporosis / osteopenia'Yes	9.6429	7.6459	211.7069	1.2612	0.2086
essg_categoryidiopathic	1.4639	8.3612	212.8669	0.1751	0.8612
essg_categoryothers	-11.6826	10.3565	211.1673	-1.1280	0.2606
Non_instrumented_segments	1.2401	0.9621	210.7089	1.2890	0.1988
inc_preop	-0.6366	0.0907	212.7986	-7.0162	0.0000
preop	-0.4969	0.0968	212.9248	-5.1323	0.0000
time_point	4.2096	1.7948	68.6908	2.3454	0.0219
typeL5	14.6804	5.9231	211.4106	2.4785	0.0140

### ### Sagittal T2-T5

Base Time point 6W. Sagittal T2-T5

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	1.0506	1.0016	234.541	1.0490	0.2953
time_point	0.2570	0.4421	110.826	0.5814	0.5621
typeL5	-1.0123	1.2712	225.759	-0.7963	0.4267

  

	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	11.7833	3.8528	211.0661	3.0583	0.0025
Age	0.0315	0.0547	211.0772	0.5758	0.5653
SiteBOR Op	-0.5020	2.0012	206.6112	-0.2508	0.8022
SiteIST Op	-1.6989	2.8260	225.1511	-0.6011	0.5483
SiteMAD Op	-0.2549	1.8001	209.2606	-0.1416	0.8875
SiteZUR Op	0.1287	2.6806	214.1173	0.0480	0.9618
'Prior Spine Surgery'Yes	-1.7554	1.9069	203.3777	-0.9205	0.3584
'Osteoporosis / osteopenia'Yes	-3.5635	2.0442	209.0433	-1.7432	0.0828
essg_categoryidiopathic	-4.3298	2.0918	209.7019	-2.0699	0.0397
essg_categoryothers	-7.2354	2.6208	210.5026	-2.7607	0.0063
Non_instrumented_segments	-0.7249	0.2560	209.7239	-2.8320	0.0051
inc_preop	-0.3655	0.1074	210.0416	-3.4025	0.0008
preop	-0.1394	0.1235	215.8895	-1.1293	0.2600
time_point	0.2911	0.4097	107.7189	0.7107	0.4788
typeL5	-0.6525	1.4236	210.4900	-0.4583	0.6472

### ### Sagittal T5-T12

Base Time point 6W. Sagittal T5-T12

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	-0.4628	0.8355	221.8983	-0.5539	0.5802
time_point	1.3425	0.4573	80.0006	2.9357	0.0043
typeL5	-0.3803	1.1098	242.0000	-0.3427	0.7321

  

	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	5.7926	3.3269	229.7554	1.7411	0.0830
Age	-0.0740	0.0503	229.6428	-1.4717	0.1425
SiteBOR Op	7.6818	1.6997	228.9624	4.5195	0.0000
SiteIST Op	-2.0011	2.5132	229.7802	-0.7962	0.4267
SiteMAD Op	1.0999	1.5812	229.2834	0.6956	0.4874
SiteZUR Op	3.4548	2.2244	225.3777	1.5531	0.1218
'Prior Spine Surgery'Yes	1.9680	1.7544	229.1577	1.1218	0.2631
'Osteoporosis / osteopenia'Yes	1.7519	1.7219	230.0000	1.0174	0.3100
essg_categoryidiopathic	-0.3912	1.7710	229.8578	-0.2209	0.8254
essg_categoryothers	0.9234	2.2077	229.2098	0.4182	0.6762
Non_instrumented_segments	-0.2796	0.2347	229.2004	-1.1917	0.2346
inc_preop	-0.3815	0.0661	229.5827	-5.7756	0.0000
preop	-0.1780	0.0530	229.9988	-3.3565	0.0009
time_point	1.4008	0.4334	70.7682	3.2318	0.0019
typeL5	1.9869	1.2237	229.8254	1.6237	0.1058

### ### Sagittal T2-T12

Base Time point 6W. Sagittal T2-T12

# Time evolution

	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	-0.2742	0.7709	237.0155	-0.3557	0.7224
time_point	1.3860	0.4040	80.4124	3.4307	0.0010
typeL5	-2.2493	1.0416	258.0682	-2.1594	0.0317

  

	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	5.2072	3.4173	246.0313	1.5238	0.1289
Age	-0.0373	0.0464	248.0115	-0.8044	0.4219
SiteBOR Op	5.2847	1.6605	237.7128	3.1827	0.0017
SiteIST Op	0.6301	2.3222	247.9495	0.2713	0.7864
SiteMAD Op	-1.6842	1.4928	247.5480	-1.1282	0.2603
SiteZUR Op	3.8108	2.2232	240.6800	1.7141	0.0878
'Prior Spine Surgery'Yes	0.1865	1.6645	238.7412	0.1121	0.9109
'Osteoporosis / osteopenia'Yes	-0.6813	1.7445	245.2176	-0.3905	0.6965
essg_categoryidiopathic	0.5516	1.7788	243.4368	0.3101	0.7568
essg_categoryothers	0.3786	2.2264	241.6781	0.1701	0.8651
Non_instrumented_segments	-0.5114	0.2110	241.9972	-2.4241	0.0161
inc_preop	-0.2379	0.0702	247.3935	-3.3904	0.0008
preop	-0.0821	0.0454	247.0289	-1.8071	0.0720
time_point	1.4425	0.3957	75.3159	3.6456	0.0005
typeL5	0.2583	1.2036	246.7361	0.2146	0.8303

## ### 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)	-2.6704	0.8880	275.0953	-3.0073	0.0029
time_point	0.3851	0.4832	100.7758	0.7971	0.4273
typeL5	1.2082	1.1700	294.7506	1.0327	0.3026

  

	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	-17.0279	3.9123	280.4915	-4.3524	0.0000
Age	-0.0034	0.0505	280.8329	-0.0673	0.9464
SiteBOR Op	-2.7292	1.6770	275.8484	-1.6274	0.1048
SiteIST Op	4.5217	2.4254	278.8575	1.8643	0.0633
SiteMAD Op	3.5162	1.6821	280.5325	2.0904	0.0375
SiteZUR Op	0.9535	2.0695	279.2590	0.4607	0.6454
'Prior Spine Surgery'Yes	-1.7055	1.6362	278.8642	-1.0424	0.2981
'Osteoporosis / osteopenia'Yes	2.4799	1.7991	279.5700	1.3784	0.1692
essg_categoryidiopathic	3.2045	1.8757	279.8094	1.7084	0.0887
essg_categoryothers	2.6924	2.3575	273.5155	1.1421	0.2544
Non_instrumented_segments	0.4070	0.2105	279.1730	1.9333	0.0542
inc_preop	-0.4136	0.0621	278.8197	-6.6572	0.0000
preop	-0.1771	0.0448	279.0891	-3.9521	0.0001
time_point	0.3655	0.4165	94.3521	0.8776	0.3824
typeL5	0.5133	1.2477	280.0978	0.4114	0.6811

## ### Pelvic Incidence

Base Time point 6W. Pelvic Incidence

# Time evolution

	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	0.0109	0.2310	235.1743	0.0471	0.9624
time_point	0.0140	0.1793	59.5611	0.0783	0.9379
typeL5	-0.1147	0.3194	269.5104	-0.3592	0.7197

  

	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	-0.2583	1.1718	252.8997	-0.2204	0.8257
Age	0.0114	0.0151	256.2947	0.7564	0.4501
SiteBOR Op	-0.3635	0.5136	256.4676	-0.7076	0.4798
SiteIST Op	0.4934	0.7124	270.0062	0.6926	0.4891
SiteMAD Op	-0.5143	0.4889	248.0726	-1.0521	0.2938
SiteZUR Op	-0.5105	0.6316	273.8886	-0.8084	0.4196
'Prior Spine Surgery'Yes	-1.3064	0.4674	263.9574	-2.7948	0.0056
'Osteoporosis / osteopenia'Yes	-0.6319	0.5424	265.5722	-1.1651	0.2450
essg_categoryidiopathic	0.3582	0.5560	264.8891	0.6443	0.5200
essg_categoryothers	-0.0735	0.7327	270.6612	-0.1004	0.9201
Non_instrumented_segments	0.0406	0.0614	263.7766	0.6621	0.5085
inc_preop	-0.1668	0.0728	277.1440	-2.2909	0.0227
preop	-0.0073	0.0156	259.0265	-0.4670	0.6409
time_point	0.0223	0.1750	56.5168	0.1274	0.8990
typeL5	0.0874	0.3784	263.1083	0.2310	0.8175

### ### Pelvic Tilt

Base Time point 6W. Pelvic Tilt

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	-0.1604	0.5690	284.3864	-0.2819	0.7782
time_point	0.5108	0.2642	122.3440	1.9331	0.0555
typeL5	0.4364	0.7259	280.6511	0.6012	0.5482

  

	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	-5.5313	2.1046	263.1491	-2.6282	0.0091
Age	0.0474	0.0324	257.3286	1.4629	0.1447
SiteBOR Op	1.3116	1.0349	240.7928	1.2674	0.2063
SiteIST Op	4.9229	1.4631	266.7484	3.3648	0.0009
SiteMAD Op	1.4543	1.0140	248.6783	1.4343	0.1527
SiteZUR Op	2.4777	1.2792	261.7437	1.9369	0.0538
'Prior Spine Surgery'Yes	-1.8684	0.9559	249.8631	-1.9546	0.0517
'Osteoporosis / osteopenia'Yes	-1.1577	1.1005	263.4970	-1.0519	0.2938
essg_categoryidiopathic	3.2197	1.1120	260.3834	2.8955	0.0041
essg_categoryothers	3.5363	1.4230	252.9075	2.4850	0.0136
Non_instrumented_segments	-0.0438	0.1233	256.2135	-0.3552	0.7228
inc_preop	-0.5370	0.0672	250.6869	-7.9967	0.0000
preop	-0.0870	0.0532	252.3277	-1.6358	0.1031
time_point	0.5506	0.2239	115.7609	2.4593	0.0154
typeL5	2.4102	0.7680	256.3070	3.1383	0.0019

### ### Sacral Slope

Base Time point 6W. Sacral Slope

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	-0.1338	0.5703	280.0528	-0.2347	0.8146

time_point	-0.4142	0.2830	111.3997	-1.4633	0.1462
typeL5	-0.1404	0.7404	288.7376	-0.1896	0.8497
	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	10.5081	2.3252	259.6330	4.5193	0.0000
Age	-0.0298	0.0303	260.3721	-0.9838	0.3261
SiteBOR Op	-1.5414	0.9993	239.6870	-1.5425	0.1243
SiteIST Op	-4.5211	1.4143	265.8001	-3.1967	0.0016
SiteMAD Op	-1.3063	1.0000	248.1395	-1.3064	0.1926
SiteZUR Op	-2.8004	1.2478	261.9943	-2.2443	0.0256
'Prior Spine Surgery'Yes	1.4236	0.9281	248.9118	1.5338	0.1263
'Osteoporosis / osteopenia'Yes	1.0597	1.0931	263.4556	0.9694	0.3332
essg_categoryidiopathic	-2.5063	1.1251	262.2554	-2.2276	0.0268
essg_categoryothers	-4.8855	1.3966	253.4875	-3.4981	0.0006
Non_instrumented_segments	0.0183	0.1218	257.7618	0.1501	0.8808
inc_preop	-0.6179	0.0666	250.8285	-9.2794	0.0000
preop	-0.1524	0.0389	248.4676	-3.9132	0.0001
time_point	-0.4422	0.2234	108.4457	-1.9797	0.0503
typeL5	-1.4641	0.7400	257.2286	-1.9786	0.0489

### RLL

Base Time point 6W. RLL

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	2.8180	0.8756	275.4971	3.2184	0.0014
time_point	-0.4155	0.4607	105.8200	-0.9020	0.3691
typeL5	-1.3166	1.1494	291.8698	-1.1455	0.2529
	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	7.9848	3.3367	280.3037	2.3931	0.0174
Age	-0.0183	0.0504	279.5007	-0.3623	0.7174
SiteBOR Op	2.9722	1.6754	272.6783	1.7740	0.0772
SiteIST Op	-4.4914	2.3827	276.3795	-1.8850	0.0605
SiteMAD Op	-3.4649	1.6642	277.6391	-2.0820	0.0383
SiteZUR Op	-1.0752	2.0468	276.3227	-0.5253	0.5998
'Prior Spine Surgery'Yes	2.3370	1.6105	274.3720	1.4511	0.1479
'Osteoporosis / osteopenia'Yes	-1.9195	1.7953	279.4230	-1.0692	0.2859
essg_categoryidiopathic	-4.0286	1.8427	278.9289	-2.1863	0.0296
essg_categoryothers	-2.3735	2.3372	273.3450	-1.0155	0.3107
Non_instrumented_segments	-0.3988	0.2083	276.6010	-1.9144	0.0566
inc_preop	-0.4172	0.0647	276.4296	-6.4507	0.0000
preop	-0.1978	0.0524	278.0770	-3.7729	0.0002
time_point	-0.4357	0.4071	95.5051	-1.0702	0.2872
typeL5	-1.4593	1.2457	278.0901	-1.1715	0.2424

### Global Tilt

Base Time point 6W. Global Tilt

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	-2.9810	0.7813	240.2723	-3.8156	0.0002
time_point	0.9753	0.3851	111.6276	2.5325	0.0127
typeL5	2.8127	1.0529	251.5585	2.6714	0.0080

	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	-7.5902	2.7618	239.3299	-2.7483	0.0064
Age	0.0795	0.0434	238.0683	1.8312	0.0683
SiteBOR Op	2.7341	1.5988	227.8475	1.7101	0.0886
SiteIST Op	7.0123	1.9657	238.5347	3.5672	0.0004
SiteMAD Op	4.2419	1.4272	233.8773	2.9721	0.0033
SiteZUR Op	3.7867	1.8678	234.4331	2.0273	0.0438
'Prior Spine Surgery'Yes	-1.5831	1.3945	231.0647	-1.1353	0.2574
'Osteoporosis / osteopenia'Yes	-0.4273	1.5247	238.0289	-0.2803	0.7795
essg_categoryidiopathic	3.2995	1.5981	238.8742	2.0646	0.0400
essg_categoryothers	0.8047	2.0457	237.4731	0.3934	0.6944
Non_instrumented_segments	-0.0859	0.1822	233.4135	-0.4714	0.6378
inc_preop	-0.5949	0.0787	227.9842	-7.5626	0.0000
preop	-0.3145	0.0526	235.4378	-5.9757	0.0000
time_point	1.0486	0.3176	91.6840	3.3011	0.0014
typeL5	6.0280	1.0928	233.5620	5.5164	0.0000

### ### T1 Sagittal Tilt

Base Time point 6W. T1 Sagittal Tilt

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	-1.8598	0.4196	184.8707	-4.4322	0.0000
time_point	0.1771	0.1876	78.7893	0.9445	0.3478
typeL5	0.5169	0.5460	186.0188	0.9466	0.3451

  

	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	-3.4457	1.4501	143.1073	-2.3762	0.0188
Age	-0.0350	0.0216	129.9863	-1.6202	0.1076
SiteBOR Op	0.2918	0.7825	130.5235	0.3729	0.7099
SiteIST Op	-0.7949	1.2024	129.3678	-0.6611	0.5097
SiteMAD Op	1.3649	0.6830	133.9843	1.9984	0.0477
SiteZUR Op	2.7427	1.1198	158.2735	2.4493	0.0154
'Prior Spine Surgery'Yes	0.5451	0.7615	152.7709	0.7159	0.4752
'Osteoporosis / osteopenia'Yes	0.5716	0.8623	140.3343	0.6629	0.5085
essg_categoryidiopathic	-0.4572	0.7946	145.7825	-0.5754	0.5659
essg_categoryothers	-1.1988	1.1448	148.6333	-1.0471	0.2967
Non_instrumented_segments	0.0853	0.0955	130.7793	0.8930	0.3735
inc_preop	-0.5813	0.0797	144.1372	-7.2921	0.0000
preop	-0.4953	0.0746	128.4640	-6.6364	0.0000
time_point	0.2472	0.1394	96.4898	1.7738	0.0793
typeL5	1.5762	0.5561	146.1309	2.8341	0.0052

### ### Thoracolumbar L2-T10

Base Time point 6W. Thoracolumbar L2-T10

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	1.1781	1.0919	220.3430	1.0789	0.2818
time_point	0.5837	0.5004	97.3703	1.1665	0.2462
typeL5	0.9752	1.4295	223.4479	0.6822	0.4958

  

	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	-10.3019	3.2619	211.0508	-3.1582	0.0018

Age	0.1080	0.0515	210.3006	2.0993	0.0370
SiteBOR Op	2.7995	1.7572	204.0896	1.5931	0.1127
SiteIST Op	-2.2828	2.6103	212.6065	-0.8745	0.3828
SiteMAD Op	-2.6768	1.6454	209.9311	-1.6269	0.1053
SiteZUR Op	-0.1477	2.4351	212.7547	-0.0607	0.9517
'Prior Spine Surgery'Yes	6.6881	1.8373	207.4945	3.6402	0.0003
'Osteoporosis / osteopenia'Yes	2.7739	1.9282	207.1016	1.4386	0.1518
essg_categoryidiopathic	4.6219	1.8387	209.8268	2.5136	0.0127
essg_categoryothers	2.4921	2.4142	210.9354	1.0323	0.3031
Non_instrumented_segments	-0.0663	0.2356	206.9640	-0.2814	0.7787
inc_preop	-0.6815	0.0509	218.1058	-13.3893	0.0000
preop	-0.5809	0.0550	216.1356	-10.5645	0.0000
time_point	0.5471	0.3755	82.0750	1.4569	0.1490
typeL5	4.5542	1.3659	207.4075	3.3343	0.0010

### RSA

Base Time point 6W. RSA

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	-2.8132	0.7761	238.4250	-3.6246	0.0004
time_point	0.9787	0.3937	107.2028	2.4860	0.0145
typeL5	2.3931	1.0536	253.1550	2.2714	0.0240

  

	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	-7.5159	2.5379	242.9791	-2.9615	0.0034
Age	0.0951	0.0398	242.9190	2.3876	0.0177
SiteBOR Op	2.8080	1.4603	239.4085	1.9228	0.0557
SiteIST Op	6.2804	1.8154	241.5159	3.4595	0.0006
SiteMAD Op	3.0917	1.3435	242.4947	2.3013	0.0222
SiteZUR Op	3.2172	1.7379	239.6647	1.8513	0.0654
'Prior Spine Surgery'Yes	-1.1631	1.2837	239.9140	-0.9060	0.3658
'Osteoporosis / osteopenia'Yes	0.2260	1.4068	242.6802	0.1607	0.8725
essg_categoryidiopathic	1.6670	1.4832	242.8387	1.1239	0.2622
essg_categoryothers	0.3902	1.8798	241.6382	0.2076	0.8357
Non_instrumented_segments	-0.1201	0.1690	240.5235	-0.7111	0.4777
inc_preop	-0.7431	0.0747	237.7156	-9.9421	0.0000
preop	-0.5067	0.0578	242.6190	-8.7657	0.0000
time_point	0.9832	0.3152	81.1808	3.1198	0.0025
typeL5	5.5314	0.9930	241.6730	5.5703	0.0000

### RPV

Base Time point 6W. RPV

Time evolution

	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	0.0177	0.5572	283.8863	0.0318	0.9746
time_point	-0.4622	0.2627	122.7554	-1.7593	0.0810
typeL5	-0.3272	0.7139	283.3069	-0.4583	0.6471

  

	Estimate	Std. Error	df	t value	Pr(> t )
(Intercept)	5.5472	1.9372	262.2916	2.8636	0.0045
Age	-0.0601	0.0307	256.2694	-1.9570	0.0514
SiteBOR Op	-1.3160	0.9682	235.5851	-1.3592	0.1754



SiteIST Op	-4.2666	1.3819	265.6454	-3.0874	0.0022
SiteMAD Op	-0.9131	0.9835	245.7427	-0.9283	0.3541
SiteZUR Op	-2.3468	1.2179	260.9583	-1.9269	0.0551
'Prior Spine Surgery'Yes	1.4345	0.9039	246.1627	1.5871	0.1138
'Osteoporosis / osteopenia'Yes	1.2746	1.0489	261.0815	1.2151	0.2254
essg_categoryidiopathic	-2.6835	1.0689	258.4028	-2.5105	0.0127
essg_categoryothers	-3.6711	1.3484	251.2163	-2.7225	0.0069
Non_instrumented_segments	0.0636	0.1176	255.1685	0.5408	0.5891
inc_preop	-0.6306	0.0677	247.6255	-9.3123	0.0000
preop	-0.2296	0.0625	248.6697	-3.6726	0.0003
time_point	-0.4946	0.2120	116.2416	-2.3336	0.0213
typeL5	-2.3632	0.7210	254.6099	-3.2779	0.0012