

Table S1 Regression results (P values) for selected clinical and radiologic outcomes

Predictor	Estimated blood loss (mL)	OR Time (min)	Length of Stay (days)	Fluoroscopy time (s)	Fluoroscopy dose (mGy)	Total intra-op MEDD	24-hr post-op MEDD	% change spondylolisthesis	% change anterior disc height	% change posterior disc height	% change segmental lordosis
Intercept	0.374	0.181	0.997	0.069	0.459	0.355	0.179	0.410	0.437	0.315	0.313
Age	0.964	0.836	0.419	0.216	0.003	0.892	0.006	0.266	0.133	0.663	0.868
Race											
Asian – American Indian or Alaskan Native	0.819	0.336	0.551	0.168	0.225	0.900	0.446	0.465	0.613	0.624	0.662
Black – American Indian or Alaskan Native	0.582	0.402	0.856	0.525	0.539	0.946	0.996	0.644	0.771	0.562	0.991
White – American Indian or Alaskan Native	0.790	0.648	0.495	0.713	0.621	0.363	0.421	0.873	0.968	0.583	0.688
Sex											
Male – Female	0.539	0.822	0.530	0.615	0.726	0.293	0.845	0.895	0.194	0.965	0.207
ASA	0.722	0.782	0.760	0.193	0.056	0.682	0.077	0.307	0.650	0.436	0.125
BMI	0.720	0.792	0.488	0.996	0.005	0.569	0.075	0.922	0.189	0.124	0.095
Hypertension											
Yes – No	0.320	0.479	0.422	0.149	0.188	0.937	0.984	0.134	0.704	0.820	0.909
Diabetes											
Yes – No	0.140	0.180	0.927	0.027	0.076	0.425	0.156	0.230	0.228	0.533	0.613
Smoking											
Never - Former	0.867	0.489	0.659	0.889	0.722	0.984	0.229	0.928	0.343	0.404	0.513
Yes - Former	0.480	0.358	0.525	0.412	0.420	0.221	0.952	0.716	0.394	0.631	0.534
Anesthesia											
Awake – Asleep	0.977	0.375	0.157	0.888	0.962	0.007	0.009	0.038	0.366	0.294	0.882
ESP Block											
Yes – No	0.080	0.450	0.044	0.699	0.184	0.235	<0.001	<0.001	0.671	0.516	0.007
Awake with ESP Block											
Yes - No	0.960	0.219	0.030	0.373	0.214	0.237	0.002	0.316	0.586	0.891	0.055
Fluoro-Based 2D Navigation											
Yes – No	0.344	0.048	0.640	0.586	0.773	0.630	0.341	0.631	0.416	0.548	0.070
Group											
Perc – MIS	0.004	0.987	0.969	0.409	0.293	0.299	0.815	0.012	0.900	0.531	0.648
TF - MIS	0.189	0.911	0.453	0.134	0.075	0.658	0.001	0.026	0.177	0.005	0.212
Level											
L3/4 – L2/3	0.222	0.880	0.914	0.689	0.899	0.278	0.426	0.804	0.826	0.573	0.106
L4/5 – L2/3	0.354	0.305	0.378	0.573	0.581	0.154	0.369	0.588	0.378	0.584	0.195
L5/S1 – L2/L3	0.259	0.574	0.407	0.733	0.562	0.269	0.460	0.287	0.942	0.761	0.608

ASA, American Society of Anesthesiologists; BMI, body mass index; ESP, erector spinae plane; MEDD, morphine equivalent daily dose; OR, operating.