





































Table A-III  
Normalised coordinate data at each vertebra for European female subjects

	F-E-1		F-E-2		F-E-3	
	Horizontal	Vertical	Horizontal	Vertical	Horizontal	Vertical
C2	-0.130	0.991	-0.160	0.987	-0.156	0.988
C3	-0.136	0.969	-0.162	0.967	-0.160	0.966
C4	-0.142	0.937	-0.164	0.935	-0.166	0.934
C5	-0.145	0.907	-0.164	0.906	-0.172	0.902
C6	-0.144	0.877	-0.162	0.875	-0.176	0.869
C7	-0.144	0.846	-0.162	0.843	-0.180	0.835
T1	-0.147	0.811	-0.166	0.808	-0.186	0.798
T2	-0.156	0.774	-0.176	0.773	-0.197	0.763
T3	-0.167	0.737	-0.188	0.738	-0.207	0.726
T4	-0.177	0.702	-0.196	0.700	-0.216	0.688
T5	-0.179	0.662	-0.201	0.661	-0.222	0.649
T6	-0.183	0.620	-0.199	0.622	-0.225	0.609
T7	-0.173	0.576	-0.194	0.580	-0.220	0.568
T8	-0.163	0.534	-0.185	0.537	-0.210	0.525
T9	-0.150	0.489	-0.174	0.494	-0.193	0.462
T10	-0.134	0.443	-0.159	0.450	-0.181	0.437
T11	-0.114	0.394	-0.142	0.402	-0.163	0.392
T12	-0.096	0.350	-0.124	0.349	-0.139	0.342
L1	-0.073	0.290	-0.102	0.294	-0.114	0.287
L2	-0.048	0.228	-0.075	0.233	-0.086	0.227
L3	-0.025	0.164	-0.050	0.168	-0.054	0.171
L4	-0.008	0.097	-0.028	0.101	-0.033	0.105
L5	0.000	0.032	-0.009	0.039	-0.014	0.040
S	0.000	0.000	0.000	0.000	0.000	0.000

Table A-IV  
Normalised coordinate data at each vertebra for European male subjects

	M-E-1		M-E-2		M-E-3		M-E-4	
	Horizontal	Vertical	Horizontal	Vertical	Horizontal	Vertical	Horizontal	Vertical
C2	-0.118	0.993	-0.091	0.996	-0.077	0.997	-0.154	0.988
C3	-0.121	0.975	-0.095	0.975	-0.072	0.975	-0.155	0.969
C4	-0.124	0.945	-0.100	0.944	-0.066	0.942	-0.159	0.938
C5	-0.129	0.915	-0.104	0.915	-0.064	0.910	-0.163	0.908
C6	-0.135	0.886	-0.109	0.887	-0.067	0.879	-0.166	0.878
C7	-0.138	0.858	-0.119	0.857	-0.075	0.848	-0.169	0.847
T1	-0.144	0.823	-0.134	0.828	-0.086	0.815	-0.175	0.815
T2	-0.156	0.788	-0.151	0.795	-0.107	0.781	-0.183	0.780
T3	-0.166	0.748	-0.167	0.759	-0.127	0.745	-0.192	0.743
T4	-0.172	0.708	-0.180	0.721	-0.144	0.708	-0.197	0.703
T5	-0.174	0.668	-0.191	0.678	-0.165	0.670	-0.198	0.664
T6	-0.172	0.626	-0.197	0.634	-0.179	0.630	-0.195	0.624
T7	-0.167	0.584	-0.196	0.590	-0.187	0.588	-0.188	0.583
T8	-0.159	0.538	-0.188	0.544	-0.189	0.544	-0.177	0.540
T9	-0.149	0.495	-0.174	0.499	-0.187	0.497	-0.164	0.498
T10	-0.137	0.446	-0.158	0.451	-0.178	0.447	-0.152	0.452
T11	-0.125	0.398	-0.138	0.400	-0.163	0.397	-0.136	0.404
T12	-0.110	0.345	-0.119	0.351	-0.139	0.345	-0.117	0.353
L1	-0.090	0.293	-0.099	0.296	-0.112	0.292	-0.094	0.299
L2	-0.067	0.235	-0.078	0.235	-0.084	0.234	-0.065	0.241
L3	-0.044	0.173	-0.056	0.172	-0.055	0.171	-0.036	0.178
L4	-0.023	0.106	-0.033	0.105	-0.028	0.107	-0.014	0.112
L5	-0.007	0.039	-0.011	0.043	-0.010	0.041	0.000	0.042
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Table A-V

Normalised coordinate data at each vertebra for the estimated average spinal alignments

	Female		Male	
	Horizontal	Vertical	Horizontal	Vertical
C2	-0.175	0.985	-0.162	0.987
C3	-0.179	0.961	-0.158	0.964
C4	-0.184	0.924	-0.151	0.926
C5	-0.188	0.889	-0.146	0.891
C6	-0.191	0.856	-0.143	0.858
C7	-0.193	0.822	-0.146	0.824
T1	-0.199	0.785	-0.152	0.788
T2	-0.206	0.747	-0.164	0.750
T3	-0.213	0.709	-0.175	0.711
T4	-0.216	0.672	-0.184	0.673
T5	-0.216	0.633	-0.194	0.635
T6	-0.209	0.593	-0.196	0.594
T7	-0.198	0.554	-0.192	0.554
T8	-0.182	0.515	-0.184	0.511
T9	-0.162	0.470	-0.174	0.467
T10	-0.146	0.432	-0.163	0.421
T11	-0.129	0.387	-0.149	0.373
T12	-0.110	0.342	-0.131	0.323
L1	-0.088	0.288	-0.108	0.270
L2	-0.065	0.229	-0.086	0.213
L3	-0.041	0.169	-0.060	0.156
L4	-0.020	0.104	-0.036	0.095
L5	-0.004	0.037	-0.012	0.036
S	0.000	0.000	0.000	0.000

Table A-VI

Length between C2 and the sacrum of the original data set for Japanese female subjects

	F-J-1	F-J-2	F-J-3	F-J-4	F-J-5
C2-S length [mm]	465	524	509	504	530

Table A-VII

Length between C2 and the sacrum of the original data set for Japanese male subjects

	M-J-1	M-J-2	M-J-3
C2-S length [mm]	534	575	538

Table A-VIII

Length between C2 and the sacrum of the original data set for European female subjects

	F-E-1	F-E-2	F-E-3
C2-S length [mm]	498	528	490

Table A-IX

Length between C2 and the sacrum of the original data set for European male subjects

	M-E-1	M-E-2	M-E-3	F-E-4
C2-S length [mm]	547	539	521	553