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Table S1. Distribution of the Gastrointestinal Abnormalities in Patients with Congenital Scoliosis						
	Gastrointestinal anomalies		P Value	OR (95% CI)	P value (multivariate)	OR (95% CI) (multivariate)
	Yes	No				
Age of presentation	6.4±8.7	6.4±6.0	0.984	1 (0.951-1.042)	0.884	0.994 (0.912-1.07)
Sex						
Male	34 (5.5%)	251 (40.7%)	0.004	2.37 (1.31, 4.29)	0.11	1.059 (0.927-1.206)
Female (1)	18 (2.9%)	313 (50.8%)				
BMI (kg/m ²)	19.9±5.9	19.0±3.7	0.114	1.07 (0.98-1.161)	0.202	1.091 (0.954-1.249)
Major curve (°)	66.4±32.7	60.4±25.8	0.231	1.006 (0.996-1.016)	0.712	1.004 (0.985-1.023)
Vertebral anomalies						

Failure of formation (1)	11	183				
Failure of segmentation	7	83	0.598	1.297 (0.468-3.342)	0.616	1.586 (0.244-10.254)
Mixed type	34	298	0.139	1.677 (0.867-3.455)	0.275	2.257 (0.575-11.584)
Rib anomalies						
No (1)	24	288				
Simple	20	192	0.676	1.142 (0.606-2.122)	0.694	0.790 (0.236-2.556)
Complex	8	84	0.801	1.113 (0.456-2.456)	0.337	0.422 (0.055-2.153)
Pulmonary function						
FEV1 (% of predicted)	84.4±21.4	83.4±20.9	0.627	1.004 (0.987-1.022)	0.478	1.041 (0.939-1.165)
FVC (% of predicted)	83.6±21.8	82.2±20.4	0.554	1.005 (0.988-1.024)	0.381	0.953 (0.853-1.048)
FEV1/FVC (%)	95±12	98.2±11.5	0.116	0.976 (0.947-1.007)	0.482	0.976 (0.914-1.046)
PEF (% of predicted)	92.1±19.6	86.5±20.2	0.179	1.013 (0.994-1.033)	0.788	0.995 (0.962-1.033)
Combined with other organ						

anomalies						
Yes	36 (5.8%)	307 (49.8%)	0.057	1.795 (0.997-3.349)	0.808	1.141 (0.397-3.442)
No (1)	16 (2.6%)	257 (41.7%)				

(1): Reference Group

Table S2. Distribution of the other musculoskeletal Abnormalities in Patients with Congenital Scoliosis

	Other musculoskeletal anomalies		P Value	OR (95%CI)	P Value (multivariate)	OR (95%CI) (multivariate)
	Yes	No				
Age of presentation	5.8±6.1	6.5±6.3	0.478	0.98 (0.922-1.03)	0.126	0.914 (0.808-1.02)
Sex			0.230	1.48 (0.78, 2.80)	0.428	1.632 (0.503-5.945)

Male	16	277				
Female	27	316				
BMI (kg/m²)	18.4±4.0	19.1±4.0	0.361	0.952 (0.851-1.05)	0.916	0.992 (0.839-1.153)
Major curve (°)	65.9±24.9	60.5±26.6	0.189	1.007 (0.996-1.018)	0.026	1.026 (1.004-1.051)
Vertebral anomalies			0.056			
Failure of formation	13	187				
Failure of segmentation	8	84	0.494	1.377 (0.528-3.394)	0.362	0.494 (0.1-2.171)
Mixed type	22	322	0.98	0.991 (0.494-2.065)	0.122	0.351 (0.091-1.33)
Rib anomalies						
No (1)	21	302				
Simple	15	203	0.855	1.066 (0.528-2.105)	0.559	1.484 (0.391-5.748)
Complex	7	87	0.742	1.161 (0.445-2.7)	0.925	1.082 (0.185-5.347)
Pulmonary function						

FEV1 (% of predicted)	87.4±27.8	81.6±23.5	0.279	1.010 (0.992-1.028)	0.609	0.976 (0.896-1.063)
FVC (% of predicted)	62.4±46.5	54.7±41.9	0.086	1.016 (0.998-1.035)	0.08	1.070 (0.991-1.158)
FEV1/FVC (%)	68.2±45.5	65.4±47.2	0.551	0.991 (0.961-1.023)	0.863	1.006 (0.937-1.085)
PEF (% of predicted)	58.7±42.6	59.5±54.8	0.305	0.991 (0.973-1.009)	0.027	0.965 (0.933-0.997)
Combined with other organ anomalies						
Yes	33	327	0.012	2.465 (1.256-5.205)	0.012	5.053 (1.562-20.445)
No (1)	10	266				

(1): Reference Group

Table S3. Distribution of the Urogenital Abnormalities in Patients with Congenital Scoliosis

	Urogenital anomalies		P Value	OR (95%CI)	P Value (multivariate)	OR (95%CI) (multivariate)
	Yes	No				
Age of presentation	4.53±5.0	6.82±6.4	4×10 ⁻⁴	0.92 (0.877-0.962)	0.002	0.882 (0.809-0.953)
Sex			0.118	0.719 (0.475-1.087)	0.297	0.647 (0.282-1.469)
Male (1)	57	236				
Female	53	290				
BMI (kg/m ²)	18.5±3.8	19.1±4.0	0.216	0.956 (0.887-1.024)	0.542	1.033 (0.929-1.145)
Major curve (°)	61.2±23.2	60.8±27.1	0.73	1.001 (0.994-1.009)	0.827	0.998 (0.985-1.012)
Vertebral anomalies						
Failure of formation (1)	35	165				
Failure of segmentation	15	77	0.733	0.891 (0.448-1.704)	0.171	2.387 (0.692-8.63)

Mixed type	60	284	0.936	0.981 (0.622-1.567)	0.142	2.219 (0.805-6.935)
Rib anomalies						
No (1)	53	271				
Simple	40	178	0.644	1.113 (0.704-1.747)	0.248	0.584 (0.231-1.446)
Complex	17	77	0.815	1.075 (0.575-1.931)	0.719	0.821 (0.272-2.365)
Pulmonary function						
FEV1 (% of predicted)	77.9±20.3	84.1±21	0.15	0.991 (0.978-1.003)	0.469	1.026 (0.96-1.105)
FVC (% of predicted)	79.2±18.5	82.9±20.8	0.187	0.991 (0.978-1.004)	0.505	0.977 (0.909-1.04)
FEV1/FVC (%)	96.8±10.2	98.1±11.8	0.459	0.991 (0.969-1.015)	0.391	0.979 (0.934-1.028)
PEF (% of predicted)	81.5±19.2	87.9±20.2	0.024	0.985 (0.972-0.998)	0.16	0.982 (0.958-1.008)
Combined with other organ anomalies						

(1) Reference Group