

TABLE E-1 Comparison of Complication Rates Between the rhBMP and No-rhBMP Groups According to Type of Surgery*

Complication	Anterior Cervical Fusion Surgery			Posterior Cervical Fusion Surgery			Circumferential Fusion Surgery		
	rhBMP Group (%)	No-rhBMP Group (%)	P Value	rhBMP Group (%)	No-rhBMP Group (%)	P Value	rhBMP Group (%)	No-rhBMP Group (%)	P Value
Dysphagia	1.91	1.20	<0.01*	1.24	1.06	0.348	6.30	4.11	<0.01*
Dysphonia	0.34	0.19	<0.01*	0.09	0.09	0.926	0.11	0.36	0.224
Wound infection	0.07	0.09	0.525	1.12	0.77	0.038*	0.77	1.32	0.174
Hematoma/seroma formation	0.60	0.45	0.013*	0.95	0.94	0.974	1.33	1.08	0.510
Neurological complication	0.55	0.29	<0.01*	1.83	0.87	<0.01*	0.99	0.70	0.339
Wound dehiscence	0.01	0.01	0.924	0.41	0.30	0.292	0.44	0.28	0.412
Reintubation	0.53	0.66	0.078	2.95	2.72	0.452	3.54	4.50	0.189
Aspiration pneumonia	0.42	0.37	0.403	1.21	1.19	0.937	2.98	2.85	0.825
Vocal cord paralysis	0.07	0.07	0.859	0.06	0.12	0.326	0.44	0.32	0.557
Tracheostomy tube insertion	0.18	0.29	0.023*	1.45	1.82	0.133	1.77	3.65	<0.01*
Gastrostomy tube insertion	0.32	0.35	0.668	0.89	1.23	0.086	2.32	2.43	0.841

*Significant (p < 0.05).