

Online supplement 7: Intra- and interclass variability**A: Intra and inter observer variability of static MRI measurements**

	Intraclass correlation	Interclass correlation
Presence of vocal cord thickening	0.92	0.67
Level of the vocal cords		
Area	0.99	0.95
AP diameter	0.99	0.91
Transversal diameter	0.98	0.89
Level of the cricoid		
Area	0.92	0.97
AP diameter	0.97	0.97
Transversal diameter	0.92	0.93
Presence of tracheal deformation	1.00	1.00
Level of tracheal deformation	0.93	0.99
Area	0.61	0.99
AP diameter	0.89	0.99
Transversal diameter		
Level of proximal trachea		
Area	0.99	0.98
AP diameter	1.00	0.91
Transversal diameter	0.97	0.95

Data are presented as intra class correlation coefficient (ICC). AP; anterior- posterior.

B: Intra and inter observer variability of dynamic MRI measurements

	Intraclass correlation	Interclass correlation
Complete abduction during inspiration	0.42	0.65
Complete adduction during phonation	0.91	0.00
Inspiration areas		
Vocal cords	0.91	0.97
Cricoid	0.99	0.93
Tracheal deformation	-	-
Trachea	0.98	0.98
Phonation areas		
Vocal cords	0.92	0.94
Cricoid	0.95	0.99
Tracheal deformation	-	-
Trachea	1.00	0.99

Data are presented as intra class correlation coefficient (ICC).