

SUPPLEMENTARY MATERIAL

Supplementary Table 1. Table comparing studies reporting cholesteatoma vs non-cholesteatoma DWI and ADC values.

Authors and Year	N	MRI (T)	Type of CH	ROI	Considered Variable	Range CH+	Mean Value CH+	Range CH-	Mean Value CH-	IOA
Russo et al. 2017	100	1.5	Primary + Recurrent vs Granulation	Circular ($\varnothing=1\text{mm}$)	ADC (UM=mm ² /s)	318×10 ⁻⁶ - 1265×10 ⁻⁶	859,4×10 ⁻⁶	1774×10 ⁻⁶ - 2658×10 ⁻⁶	2216,3×10 ⁻⁶	0.96
Suzuki et al. 2014	29	3	Primary vs Recurrent vs Granulation	Freehand	SIR	1,42 – 5,18; 1,22 – 5,99	3,75; 3,28	1,42 – 3,58	2,38	NA
Lingam et al. 2013	56	1.5	Primary + Recurrent vs Granulation	Freehand	ADC (UM=mm ² /s)	539×10 ⁻⁶ - 858×10 ⁻⁶	707 ×10 ⁻⁶	1574×10 ⁻⁶ - 1982×10 ⁻⁶	1849×10 ⁻⁶	0.97
Thiriat et al. 2009	15	1.5	CH vs Abscess	Freehand (A≈11mm ²)	ADC (UM=mm ² /s)	628×10 ⁻⁶ - 1054×10 ⁻⁶	903×10 ⁻⁶	107×10 ⁻⁶ - 568×10 ⁻⁶	415×10 ⁻⁶	NA
Vercruyssen et al. 2006	20	1.5	Primary	NA	ADC (UM=mm ² /s)	664×10 ⁻⁶ - 1107×10 ⁻⁶	844×10 ⁻⁶	NA	NA	NA

Legend: N = Number of patients included in the study; MRI = Magnetic Resonance Imaging; T = Tesla (field strength); ROI = Region Of Interest; CH = Cholesteatoma; IOA = Inter-Observer Agreement; ADC = Apparent Diffusion Coefficient; \varnothing = diameter; UM = Unit of Measurement; SIR = Signal/Intensity Ratio; NA = Not Available; A = Area.