

Online Table: Differences in QA and GFA between the 2 hearing-outcome groups^a

ROI	Parameter	Side	Outcome		P Value
			Nonimprovement Group (n = 14)	Improvement Group (n = 34)	
Superior olivary nucleus	QA	I	0.5901 ± 0.0769	0.5876 ± 0.1153	.94
		C	0.6002 ± 0.0710	0.6082 ± 0.1093	.93
	GFA	I	0.0886 ± 0.0134	0.0903 ± 0.0146	.68
		C	0.0908 ± 0.0157	0.0927 ± 0.0168	.63
Inferior colliculus	QA	I	0.5883 ± 0.0520	0.6056 ± 0.0949	.52
		C	0.5868 ± 0.0691	0.5983 ± 0.0142	.65
	GFA	I	0.0901 ± 0.0137	0.0971 ± 0.0052	.08
		C	0.0925 ± 0.0073	0.0958 ± 0.0063	.13
Medial geniculate body	QA	I	0.5098 ± 0.0803	0.5818 ± 0.0935	.02
		C	0.5200 ± 0.0873	0.5476 ± 0.0879	.33
	GFA	I	0.0880 ± 0.0102 ^b	0.0997 ± 0.0105 ^c	.001
		C	0.0916 ± 0.0098	0.0951 ± 0.0095	.57
Lateral lemniscus	QA	I	0.6097 ± 0.1035	0.5939 ± 0.0856	.70
		C	0.5779 ± 0.1031	0.5511 ± 0.0996	.41
	GFA	I	0.0912 ± 0.0081	0.0952 ± 0.0086 ^c	.87
		C	0.0913 ± 0.0099	0.0911 ± 0.0091	.94
Anterior limb of internal capsule	QA	I	0.4679 ± 0.0968	0.4847 ± 0.0697	.13
		C	0.4627 ± 0.0868	0.4908 ± 0.0868	.31
	GFA	I	0.0789 ± 0.0074	0.0827 ± 0.0006	.08
		C	0.0792 ± 0.0066	0.0826 ± 0.0073	.14
Posterior limb of the internal capsule	QA	I	0.6366 ± 0.1182	0.6222 ± 0.1102	.97
		C	0.6380 ± 0.0988	0.6326 ± 0.0983	.79
	GFA	I	0.0984 ± 0.0078	0.0985 ± 0.0072	.99
		C	0.0988 ± 0.0059	0.1001 ± 0.0048	.96
Heschl	QA	I	0.4786 ± 0.1257	0.4991 ± 0.1539	.07
		C	0.5076 ± 0.0962	0.5009 ± 0.1045	.63
	GFA	I	0.0795 ± 0.0145	0.0843 ± 0.0255	.06
		C	0.0834 ± 0.0131	0.0846 ± 0.0146	.78
Superior temporal gyrus	QA	I	0.5206 ± 0.0981	0.5266 ± 0.0748	.54
		C	0.5256 ± 0.0897	0.5270 ± 0.0800	.62
	GFA	I	0.0870 ± 0.0093	0.0903 ± 0.0057	.12
		C	0.0879 ± 0.0069	0.0898 ± 0.0083	.46
Middle temporal gyrus	QA	I	0.5337 ± 0.0866	0.5456 ± 0.0681	.61
		C	0.5304 ± 0.0771	0.5362 ± 0.0724	.47
	GFA	I	0.0897 ± 0.0072	0.0931 ± 0.0048	.06
		C	0.0898 ± 0.0052	0.0910 ± 0.0065	.41
Inferior temporal gyrus	QA	I	0.4912 ± 0.0745	0.4993 ± 0.0631	.71
		C	0.4950 ± 0.0860	0.4812 ± 0.0945	.87
	GFA	I	0.0835 ± 0.0067	0.0857 ± 0.0091	.24
		C	0.0840 ± 0.0072	0.0855 ± 0.0072	.51
Anterior corona radiata	QA	I	0.4904 ± 0.0811	0.5040 ± 0.0644	.48
		C	0.4929 ± 0.0762	0.5009 ± 0.0649	.73
	GFA	I	0.0859 ± 0.0086	0.0894 ± 0.0069	.63
		C	0.0864 ± 0.0085	0.0888 ± 0.0072	.59
Posterior corona radiata	QA	I	0.6630 ± 0.1002	0.6499 ± 0.0994	.95
		C	0.6652 ± 0.0937	0.6415 ± 0.0913	.48
	GFA	I	0.1086 ± 0.0066	0.1083 ± 0.0103	.92
		C	0.1093 ± 0.0069	0.1074 ± 0.0099	.51
Auditory radiation	QA	I	0.5810 ± 0.1024	0.6008 ± 0.0774	.16
		C	0.6007 ± 0.1041	0.5924 ± 0.0789	.91
	GFA	I	0.0958 ± 0.0108	0.1014 ± 0.0075	.11
		C	0.0997 ± 0.0100	0.0991 ± 0.0092	.85
Brodmann area 41	QA		0.5540 ± 0.0936	0.5504 ± 0.1095	.53
	GFA		0.0918 ± 0.0092	0.0963 ± 0.0062	.12
Brodmann area 42	QA		0.4767 ± 0.0888	0.4803 ± 0.0710	.88
	GFA		0.0792 ± 0.0099	0.0821 ± 0.0079	.30

Note:—I indicates hearing loss ipsilateral side; C, hearing loss contralateral side.

^a Data are mean ± SD.

^b Compared with the improvement group, $P < .05$ after Bonferroni correction.

^c Compared with hearing loss contralateral side of same patient, $P < .05$ after Bonferroni correction.