

Formula = $| (L-R)/(0.5[L+R]) |$

(Manuscript analysis)

Factor	Variable	S1	S2	S4	S6
Internal auditory canal	Proctor Circumference	6.2849162	15.0803461	0.265428	3.817804
	Stimmer Circumference	5.66037736	19.7678509	0.136333	2.774083
	P-S Circumference	101.25	18.8295165	5	200
	Proctor Diameter	29.6943231	27.2884283	15.68627	5.184175
	Stimmer Diameter	9.57746479	11.4285714	7.407407	6.593407
	P-S Diameter	165.048544	69.1823899	44.21053	200
Mastoid	Airspace V	40.5632523	7.30936098	17.01987	47.51758
	Airspace SA	23.0411892	3.40612266	13.26964	26.10247
	Airspace SA/V	17.9412724	10.7088183	3.771531	22.1004
	Bone V	14.6214195	8.23209495	7.094715	25.39376
	Bone SA	8.1924318	6.94637068	4.789792	8.77815
	Bone SA/V	6.4482979	1.28756495	2.306883	16.70872
Lateral	LSCC SA	4.73933649	20.9764919	5.792164	16.1086
	LSCC SA/V	21.9392752	35.6167219	10.33295	26.04005
	LSCC-TM distance	11.5183246	4.25531915	9.230769	0.97561
	LSCC volume	26.6094421	55.5555556	16.10103	41.71123
Caloric Output	Warm irrigation (Caloric weakness)	38.2978723	0	11.11111	0
	Cold irrigation	40	N/A	N/A	N/A
	Irrigation	Both	Warm	Warm	Warm

Statistical Analysis

		Manuscript	Conventional	
Anatomic Variable		Pearson's r	Pearson's r	R squared
Internal auditory canal	Proctor Diameter	0.476	0.47580563	0.226391
	Proctor Circumference	0.007	0.00674389	4.55E-05
	Stimmer Diameter	-0.122	-0.12243774	0.014991
	Stimmer Circumference	-0.314	-0.3141401	0.098684
	(P-S) Diameter	0.177	0.17746549	0.031494
	(P-S) Circumference	0.31	0.31017898	0.096211
Mastoid	Bone Volume	0.051	0.05115662	0.002617
	Bone Surface Area	-0.241	-0.24132758	0.058239
	Bone SA:V	-0.261	-0.26090803	0.068073
	Airspace Volume	-0.379	-0.37900396	0.143644
	Airspace Surface Area	-0.263	-0.26316725	0.069257
	Airspace SA:V	-0.278	-0.27830559	0.077454

Lateral	Volume	-0.446	-0.44561867	0.198576
Semicircular	Surface Area	-0.356	-0.35581034	0.126601
Canal	SA:V	-0.474	-0.47384597	0.22453
	Distance to TM	0.138	0.13777155	0.018981

Subjects						
S8	S13	S14	S16	S17	S19	S21
14.91375	20.68966	30.17508	4.756335	12.37293	6.19195	6.783145
9.345794	6.576402	22.68817	1.865837	13.55082	2.367383	3.899326
127.0588	329.8246	200	52.2293	2.352941	70.62706	89.79592
7.129456	56.05536	58.9313	1.290323	18.92393	54.69729	8.450704
1.996008	12.64368	24.3346	15.18152	2.479339	5.714286	7.920792
150	160	200	66.66667	163.6364	148.7805	18.18182
47.58144	2.91727	11.53165	33.11782	0.676079	0.747417	73.80161
34.80651	7.731564	4.862849	29.60888	2.706336	6.593407	42.5856
13.3267	4.817011	6.678165	3.597117	3.38226	7.339919	33.87786
0.794272	13.1655	3.361632	2.152947	6.276598	4.7663	13.43619
3.970076	4.841275	4.855756	11.31095	4.303123	2.36194	13.87789
4.763973	17.97813	8.214037	9.163582	1.974808	2.405037	0.443765
10.14617	16.6546	44.87278	5.240175	4.344049	12.43523	17.88856
25.25504	20.30445	26.40903	9.219427	3.253572	2.208963	35.42689
12.2449	4.329004	1.015228	2.105263	4.347826	5.181347	3.045685
35.17588	36.64921	69.23077	3.984064	7.594937	14.63415	52.48393
4.878049	66.66667	0	20	33.33333	42.85714	14.28571
N/A	25	20	N/A	47.61905	13.33333	N/A
Warm	Both	Both	Warm	Both	Both	Warm

Formula = $|(L-R)/(L+R)|$
 (Conventional Analysis)

Factor	Variable	S1	S2	S4	S6
Internal auditory canal	Proctor Circumference	3.1424581	7.54017305	0.132714	1.90890191
	Stimmer Circumference	2.83018868	9.88392543	0.06816633	1.38704161
	P-S Circumference	50.625	9.41475827	2.5	100
	Proctor Diameter	14.8471616	13.6442142	7.84313725	2.59208731
	Stimmer Diameter	4.78873239	5.71428571	3.7037037	3.2967033
	P-S Diameter	82.5242718	34.591195	22.1052632	100
Mastoid	Airspace V	20.2816262	3.65468049	8.50993741	23.7587878
	Airspace SA	11.5205946	1.70306133	6.63481953	13.0512363
	Airspace SA/V	8.9706362	5.35440916	1.88576527	11.0501978
	Bone V	7.31070973	4.11604747	3.54735771	12.6968794
	Bone SA	4.0962159	3.47318534	2.39489607	4.38907506
	Bone SA/V	3.22414895	0.64378248	1.15344155	8.35436119
Lateral	LSCC SA	2.36966825	10.4882459	2.89608177	8.05429864
	LSCC SA/V	10.9696376	17.8083609	5.16647686	13.0200232
	LSCC-TM distance	5.7591623	2.12765957	4.61538462	0.48780488
	LSCC volume	13.304721	27.7777778	8.05051302	20.855615
Caloric Output	Warm irrigation (Caloric weakness)	19.1489362	0	5.55555556	0
	Cold irrigation	20	N/A	N/A	N/A
	Irrigation	Both	Warm	Warm	Warm

Subjects						
S8	S13	S14	S16	S17	S19	S21
7.45687257	10.3448276	15.0875386	2.37816764	6.18646529	3.09597523	3.39157246
4.6728972	3.28820116	11.344086	0.9329187	6.77540778	1.18369136	1.94966324
63.5294118	164.912281	100	26.1146497	1.17647059	35.3135314	44.8979592
3.56472795	28.0276817	29.4656489	0.64516129	9.4619666	27.348643	4.22535211
0.99800399	6.32183908	12.1673004	7.59075908	1.23966942	2.85714286	3.96039604
75	80	100	33.3333333	81.8181818	74.3902439	9.09090909
23.7907206	1.4586349	5.76582559	16.558908	0.33803937	0.37370851	36.9008043
17.4032565	3.86578209	2.43142439	14.8044403	1.35316785	3.2967033	21.2928008
6.66335085	2.40850529	3.33908231	1.79855858	1.69112986	3.66995966	16.9389317
0.39713617	6.58274896	1.68081619	1.07647349	3.1382991	2.38314991	6.71809634
1.98503812	2.4206376	2.42787825	5.65547496	2.15156174	1.18096998	6.93894447
2.38198651	8.98906298	4.10701844	4.58179085	0.98740408	1.20251837	0.22188247
5.07308684	8.32729906	22.4363917	2.62008734	2.17202433	6.21761658	8.94428152
12.6275221	10.1522256	13.204514	4.60971326	1.62678583	1.1044814	17.7134443
6.12244898	2.16450216	0.50761421	1.05263158	2.17391304	2.59067358	1.52284264
17.5879397	18.3246073	34.6153846	1.99203187	3.79746835	7.31707317	26.2419638
2.43902439	33.3333333	0	10	16.6666667	21.4285714	7.14285714
N/A	12.5	10	N/A	23.8095238	6.66666667	N/A
Warm	Both	Both	Warm	Both	Both	Warm