

Visual Field in the Left Eye

		40-49yr		50-59yr		60-69yr		70-80yr		Total	
		N	%	N	%	N	%	N	%	N	%
not recorded	Male	1	0.3	-	-	-	-	2	0.7	3	0.3
	Female	-	-	-	-	1	0.4	3	1.1	4	0.4
	Total	1	0.2	-	-	1	0.2	5	0.9	7	0.3
normal	Male	263	90.4	221	78.4	206	72.8	136	48.1	826	72.5
	Female	243	86.2	226	81.0	171	60.0	103	36.5	743	65.9
	Total	506	88.3	447	79.7	377	66.4	239	42.3	1569	69.2
glaucoma suspected	Male	5	1.7	6	2.1	11	3.9	15	5.3	37	3.2
	Female	6	2.1	8	2.9	11	3.9	12	4.3	37	3.3
	Total	11	1.9	14	2.5	22	3.9	27	4.8	74	3.3
typical glaucoma change	Male	-	-	2	0.7	-	-	2	0.7	4	0.4
	Female	-	-	1	0.4	2	0.7	7	2.5	10	0.9
	Total	-	-	3	0.5	2	0.4	9	1.6	14	0.6
contraction	Male	2	0.7	-	-	5	1.8	3	1.1	10	0.9
	Female	-	-	1	0.4	3	1.1	6	2.1	10	0.9
	Total	2	0.3	1	0.2	8	1.4	9	1.6	20	0.9
central scotoma	Male	-	-	1	0.4	1	0.4	1	0.4	3	0.3
	Female	2	0.7	-	-	2	0.7	1	0.4	5	0.4
	Total	2	0.3	1	0.2	3	0.5	2	0.4	8	0.4
atypical changes	Male	20	6.9	47	16.7	57	20.1	117	41.3	241	21.2
	Female	29	10.3	41	14.7	91	31.9	139	49.3	300	26.6
	Total	49	8.6	88	15.7	148	26.1	256	45.3	541	23.9
depression	Male	-	-	-	-	-	-	2	0.7	2	0.2
	Female	-	-	-	-	-	-	3	1.1	3	0.3
	Total	-	-	-	-	-	-	5	0.9	5	0.2
not examined	Male	-	-	5	1.8	3	1.1	5	1.8	13	1.1
	Female	2	0.7	2	0.7	4	1.4	8	2.8	16	1.4
	Total	2	0.3	7	1.2	7	1.2	13	2.3	29	1.3

8. Intraocular pressure

Intraocular pressure was measured three times for each eye with a noncontact tonometer (NIDEK NT-3000) between 9 and 12 AM. The mean value of the three measurements was used for analysis.

Intraocular Pressure in the Right Eye (mmHg)

	40-49yr			50-59yr			60-69yr			70-80yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	14.55	2.69	291	14.04	2.86	281	13.45	2.59	282	13.28	2.92	281	13.83	2.81	1135
Female	13.57	2.87	282	13.48	2.52	279	13.72	2.57	285	12.87	2.59	279	13.41	2.66	1125
Total	14.07	2.82	573	13.76	2.71	560	13.58	2.58	567	13.08	2.77	560	13.62	2.74	2260

Intraocular Pressure in the Left Eye (mmHg)

	40-49yr			50-59yr			60-69yr			70-80yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	14.40	2.68	290	13.86	2.95	280	13.36	2.53	283	13.24	3.10	280	13.72	2.85	1133
Female	13.42	2.82	282	13.42	2.61	279	13.57	2.70	284	13.06	2.77	281	13.37	2.73	1126
Total	13.92	2.79	572	13.64	2.79	559	13.46	2.62	567	13.15	2.94	561	13.54	2.80	2259

9. Quantitative test of lens opacity

Scheimpflug images were recorded and analyzed with an anterior eye segment analysis system (NIDEK EAS-1000) version 3.05.

The integrated intensity of the scattering light was calculated using an integrated area program.

Anterior Subcapsular Opacification in the Right Eye (scattering intensity)

	40-49yr			50-59yr			60-69yr			70-80yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	2369.3	565.1	281	3178.6	711.3	264	3954.0	878.8	258	4875.0	1109	236	3537.6	1239	1039
Female	2333.1	537.1	268	3106.1	722.7	266	4086.6	1014	260	5093.3	1251	234	3604.9	1369	1028
Total	2351.6	551.4	549	3142.2	717.3	530	4020.6	950.3	518	4983.7	1186	470	3571.1	1306	2067

Anterior Subcapsular Opacification in the Left Eye (scattering intensity)

	40-49yr			50-59yr			60-69yr			70-80yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	2362.0	635.7	278	3204.7	761.8	263	4080.3	973.4	254	4791.9	1051	239	3560.1	1256	1034
Female	2332.1	537.1	267	3137.0	757.4	266	4141.8	1074	256	5186.6	1213	232	3644.2	1402	1021
Total	2347.3	589.1	545	3170.6	759.6	529	4111.2	1025	510	4986.3	1150	471	3601.9	1331	2055

Nuclear Opacification in the Right Eye (scattering intensity)

	40-49yr			50-59yr			60-69yr			70-80yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	2038.1	514.8	260	2645.5	616.1	216	3338.2	975.1	187	4372.2	1462	127	2887.1	1189	790
Female	2182.9	514.3	249	2743.9	603.8	229	3519.2	1123	188	4508.0	1464	142	3061.4	1239	808
Total	2108.9	519.1	509	2696.1	611.1	445	3429.0	1055	375	4443.9	1462	269	2975.3	1217	1598

Nuclear Opacification in the Left Eye (scattering intensity)

	40-49yr			50-59yr			60-69yr			70-80yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	2069.3	541.2	237	2673.7	677.9	191	3422.1	921.1	159	4339.3	1213	100	2880.8	1120	687
Female	2215.1	555.3	224	2790.6	614.5	204	3537.9	874.6	146	4396.2	1458	106	3011.8	1135	680
Total	2140.1	552.3	461	2734.1	647.8	395	3477.5	899.6	305	4368.6	1342	206	2946.0	1129	1367

10. Retinal camera

Fundus photographs were taken with Topcon fundus camera (TRC-NW5S) at 20 and 45 degree angles for each eye without pupil dilatation.

Diabetic retinopathy, Arteriosclerosis, and macular degeneration were assessed on the photograph at 55 degree angles.

Vertical cup to disc ratio was measured on the photograph at 20 degree angles.

Cup-Disc Ratio of Optic Disc in the Right Eye

	40-49yr			50-59yr			60-69yr			70-80yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	0.41	0.10	287	0.41	0.12	277	0.42	0.12	280	0.43	0.13	265	0.42	0.12	1109
Female	0.40	0.11	280	0.41	0.12	276	0.41	0.12	278	0.42	0.13	260	0.41	0.12	1094
Total	0.41	0.11	567	0.41	0.12	553	0.42	0.12	558	0.42	0.13	525	0.41	0.12	2203

Cup-Disc Ratio of Optic Disc in the Left Eye

	40-49yr			50-59yr			60-69yr			70-80yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	0.42	0.11	286	0.42	0.13	276	0.41	0.12	278	0.43	0.13	265	0.42	0.12	1105
Female	0.40	0.11	282	0.41	0.12	275	0.41	0.12	274	0.42	0.13	260	0.41	0.12	1091
Total	0.41	0.11	568	0.42	0.12	551	0.41	0.12	552	0.42	0.13	525	0.42	0.12	2196

Fundus Photography in the Right Eye
Diabetic Retinopathy

		40-49yr		50-59yr		60-69yr		70-80yr		Total	
		N	%	N	%	N	%	N	%	N	%
not recorded	Male	2	0.7	2	0.7	2	0.7	5	1.8	11	1.0
	Female	-	-	-	-	1	0.4	5	1.8	6	0.5
	Total	2	0.3	2	0.4	3	0.5	10	1.8	17	0.7
nothing	Male	287	98.6	275	97.5	271	95.8	262	92.6	1095	96.1
	Female	282	100.0	276	98.9	270	94.7	255	90.4	1083	96.0
	Total	569	99.3	551	98.2	541	95.2	517	91.5	2178	96.1
simple	Male	1	0.3	2	0.7	-	-	2	0.7	5	0.4
	Female	-	-	-	-	1	0.4	1	0.4	2	0.2
	Total	1	0.2	2	0.4	1	0.2	3	0.5	7	0.3
preproliferative	Male	-	-	-	-	4	1.4	-	-	4	0.4
	Female	-	-	-	-	-	-	1	0.4	1	0.1
	Total	-	-	-	-	4	0.7	1	0.2	5	0.2
invisible	Male	1	0.3	3	1.1	6	2.1	14	4.9	24	2.1
	Female	-	-	3	1.1	13	4.6	20	7.1	36	3.2
	Total	1	0.2	6	1.1	19	3.3	34	6.0	60	2.6

Fundus Photography in the Right Eye
Arteriosclerosis (Keith-Wagener)

		40-49yr		50-59yr		60-69yr		70-80yr		Total	
		N	%	N	%	N	%	N	%	N	%
not recorded	Male	2	0.7	2	0.7	1	0.4	4	1.4	9	0.8
	Female	-	-	-	-	1	0.4	5	1.8	6	0.5
	Total	2	0.3	2	0.4	2	0.4	9	1.6	15	0.7
nothing	Male	209	71.8	139	49.3	108	38.2	40	14.1	496	43.5
	Female	207	73.4	164	58.8	92	32.3	49	17.4	512	45.4
	Total	416	72.6	303	54.0	200	35.2	89	15.8	1008	44.5
K-W I	Male	73	25.1	119	42.2	141	49.8	169	59.7	502	44.1
	Female	69	24.5	104	37.3	161	56.5	162	57.4	496	44.0
	Total	142	24.8	223	39.8	302	53.2	331	58.6	998	44.0
K-W IIa	Male	5	1.7	15	5.3	23	8.1	48	17.0	91	8.0
	Female	5	1.8	8	2.9	14	4.9	40	14.2	67	5.9
	Total	10	1.7	23	4.1	37	6.5	88	15.6	158	7.0
K-W IIb	Male	1	0.3	2	0.7	1	0.4	3	1.1	7	0.6
	Female	-	-	-	-	3	1.1	2	0.7	5	0.4
	Total	1	0.2	2	0.4	4	0.7	5	0.9	12	0.5
K-W III	Male	-	-	-	-	-	-	-	-	-	-
	Female	-	-	1	0.4	1	0.4	1	0.4	3	0.3
	Total	-	-	1	0.2	1	0.2	1	0.2	3	0.1
invisible	Male	1	0.3	5	1.8	9	3.2	19	6.7	34	3.0
	Female	1	0.4	2	0.7	13	4.6	23	8.2	39	3.5
	Total	2	0.3	7	1.2	22	3.9	42	7.4	73	3.2

Fundus Photography in the Right Eye
Macular Degeneration

		40-49yr		50-59yr		60-69yr		70-80yr		Total	
		N	%	N	%	N	%	N	%	N	%
not recorded	Male	2	0.7	2	0.7	1	0.4	4	1.4	9	0.8
	Female	-	-	-	-	2	0.7	5	1.8	7	0.6
	Total	2	0.3	2	0.4	3	0.5	9	1.6	16	0.7
nothing	Male	278	95.5	254	90.1	252	89.0	237	83.7	1021	89.6
	Female	276	97.9	269	96.4	245	86.0	221	78.4	1011	89.6
	Total	554	96.7	523	93.2	497	87.5	458	81.1	2032	89.6
drusen	Male	3	1.0	12	4.3	12	4.2	9	3.2	36	3.2
	Female	4	1.4	5	1.8	6	2.1	15	5.3	30	2.7
	Total	7	1.2	17	3.0	18	3.2	24	4.2	66	2.9
atrophic change	Male	2	0.7	3	1.1	-	-	2	0.7	7	0.6
	Female	-	-	-	-	2	0.7	4	1.4	6	0.5
	Total	2	0.3	3	0.5	2	0.4	6	1.1	13	0.6
exudative change	Male	-	-	1	0.4	2	0.7	1	0.4	4	0.4
	Female	-	-	-	-	1	0.4	2	0.7	3	0.3
	Total	-	-	1	0.2	3	0.5	3	0.5	7	0.3
epiretinal membrane	Male	1	0.3	1	0.4	-	-	3	1.1	5	0.4
	Female	-	-	-	-	5	1.8	3	1.1	8	0.7
	Total	1	0.2	1	0.2	5	0.9	6	1.1	13	0.6
others	Male	-	-	1	0.4	3	1.1	1	0.4	5	0.4
	Female	-	-	-	-	1	0.4	3	1.1	4	0.4
	Total	-	-	1	0.2	4	0.7	4	0.7	9	0.4
invisible	Male	5	1.7	8	2.8	13	4.6	26	9.2	52	4.6
	Female	2	0.7	5	1.8	23	8.1	29	10.3	59	5.2
	Total	7	1.2	13	2.3	36	6.3	55	9.7	111	4.9

Fundus Photography in the Left Eye
Diabetic Retinopathy

		40-49yr		50-59yr		60-69yr		70-80yr		Total	
		N	%	N	%	N	%	N	%	N	%
not recorded	Male	3	1.0	2	0.7	-	-	3	1.1	8	0.7
	Female	-	-	-	-	1	0.4	5	1.8	6	0.5
	Total	3	0.5	2	0.4	1	0.2	8	1.4	14	0.6
nothing	Male	285	97.9	275	97.5	272	96.1	258	91.2	1090	95.7
	Female	281	99.6	276	98.9	272	95.4	254	90.1	1083	96.0
	Total	566	98.8	551	98.2	544	95.8	512	90.6	2173	95.9
simple	Male	-	-	1	0.4	-	-	2	0.7	3	0.3
	Female	1	0.4	-	-	1	0.4	1	0.4	3	0.3
	Total	1	0.2	1	0.2	1	0.2	3	0.5	6	0.3
preproliferative	Male	-	-	-	-	4	1.4	-	-	4	0.4
	Female	-	-	-	-	-	-	1	0.4	1	0.1
	Total	-	-	-	-	4	0.7	1	0.2	5	0.2
invisible	Male	3	1.0	4	1.4	7	2.5	20	7.1	34	3.0
	Female	-	-	3	1.1	11	3.9	21	7.4	35	3.1
	Total	3	0.5	7	1.2	18	3.2	41	7.3	69	3.0

Fundus Photography in the Left Eye
Arteriosclerosis (Keith-Wagener)

		40-49yr		50-59yr		60-69yr		70-80yr		Total	
		N	%	N	%	N	%	N	%	N	%
not recorded	Male	3	1.0	2	0.7	-	-	3	1.1	8	0.7
	Female	-	-	-	-	1	0.4	4	1.4	5	0.4
	Total	3	0.5	2	0.4	1	0.2	7	1.2	13	0.6
nothing	Male	204	70.1	139	49.3	109	38.5	38	13.4	490	43.0
	Female	206	73.0	165	59.1	91	31.9	48	17.0	510	45.2
	Total	410	71.6	304	54.2	200	35.2	86	15.2	1000	44.1
K-W I	Male	74	25.4	123	43.6	140	49.5	177	62.5	514	45.1
	Female	71	25.2	101	36.2	166	58.2	162	57.4	500	44.3
	Total	145	25.3	224	39.9	306	53.9	339	60.0	1014	44.7
K-W IIa	Male	6	2.1	15	5.3	24	8.5	39	13.8	84	7.4
	Female	5	1.8	9	3.2	16	5.6	39	13.8	69	6.1
	Total	11	1.9	24	4.3	40	7.0	78	13.8	153	6.7
K-W IIb	Male	1	0.3	-	-	1	0.4	3	1.1	5	0.4
	Female	-	-	1	0.4	-	-	2	0.7	3	0.3
	Total	1	0.2	1	0.2	1	0.2	5	0.9	8	0.4
K-W III	Male	-	-	-	-	-	-	1	0.4	1	0.1
	Female	-	-	-	-	-	-	2	0.7	2	0.2
	Total	-	-	-	-	-	-	3	0.5	3	0.1
invisible	Male	3	1.0	3	1.1	9	3.2	22	7.8	37	3.2
	Female	-	-	3	1.1	11	3.9	25	8.9	39	3.5
	Total	3	0.5	6	1.1	20	3.5	47	8.3	76	3.4

Fundus Photography in the Left Eye
Macular Degeneration

		40-49yr		50-59yr		60-69yr		70-80yr		Total	
		N	%	N	%	N	%	N	%	N	%
not recorded	Male	3	1.0	2	0.7	-	-	3	1.1	8	0.7
	Female	-	-	-	-	1	0.4	4	1.4	5	0.4
	Total	3	0.5	2	0.4	1	0.2	7	1.2	13	0.6
nothing	Male	273	93.8	256	90.8	255	90.1	223	78.8	1007	88.4
	Female	275	97.5	264	94.6	257	90.2	221	78.4	1017	90.2
	Total	548	95.6	520	92.7	512	90.1	444	78.6	2024	89.3
drusen	Male	8	2.7	9	3.2	9	3.2	14	4.9	40	3.5
	Female	2	0.7	4	1.4	5	1.8	13	4.6	24	2.1
	Total	10	1.7	13	2.3	14	2.5	27	4.8	64	2.8
atrophic change	Male	1	0.3	2	0.7	-	-	3	1.1	6	0.5
	Female	2	0.7	1	0.4	1	0.4	3	1.1	7	0.6
	Total	3	0.5	3	0.5	1	0.2	6	1.1	13	0.6
exudative change	Male	-	-	-	-	-	-	2	0.7	2	0.2
	Female	-	-	-	-	-	-	1	0.4	1	0.1
	Total	-	-	-	-	-	-	3	0.5	3	0.1
epiretinal membrane	Male	-	-	1	0.4	1	0.4	3	1.1	5	0.4
	Female	-	-	-	-	2	0.7	1	0.4	3	0.3
	Total	-	-	1	0.2	3	0.5	4	0.7	8	0.4
others	Male	-	-	-	-	-	-	1	0.4	1	0.1
	Female	1	0.4	-	-	-	-	1	0.4	2	0.2
	Total	1	0.2	-	-	-	-	2	0.4	3	0.1
invisible	Male	6	2.1	12	4.3	18	6.4	34	12.0	70	6.1
	Female	2	0.7	10	3.6	19	6.7	38	13.5	69	6.1
	Total	8	1.4	22	3.9	37	6.5	72	12.7	139	6.1

11. Cornea

Corneal thickness and endothelial cell density were obtained with the Topcon SP-2000 specular microscope.

Corneal Thickness in the Right Eye(mm)

	40-49yr			50-59yr			60-69yr			70-80yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	0.522	0.034	136	0.518	0.029	130	0.516	0.032	148	0.512	0.034	140	0.517	0.032	554
Female	0.515	0.037	134	0.508	0.035	139	0.511	0.034	146	0.508	0.034	144	0.510	0.035	563
Total	0.519	0.035	270	0.513	0.033	269	0.513	0.033	294	0.510	0.034	284	0.514	0.034	1117

Corneal Thickness in the Left Eye (mm)

	40-49yr			50-59yr			60-69yr			70-80yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	0.525	0.032	135	0.522	0.029	128	0.522	0.034	149	0.518	0.035	141	0.522	0.033	553
Female	0.518	0.035	136	0.512	0.034	140	0.518	0.033	146	0.512	0.034	143	0.515	0.034	565
Total	0.521	0.034	271	0.517	0.032	268	0.520	0.033	295	0.515	0.035	284	0.518	0.034	1118

Endothelial cell density of Cornea in the Right Eye (cells/mm²)

	40-49yr			50-59yr			60-69yr			70-80yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	2585.7	334.2	131	2568.7	313.0	129	2486.5	375.1	143	2545.7	374.9	139	2545.2	352.5	542
Female	2498.5	371.0	129	2515.1	387.9	130	2456.7	375.3	142	2322.4	430.4	137	2446.6	398.3	538
Total	2542.4	355.0	260	2541.8	352.9	259	2471.6	374.9	285	2434.8	417.9	276	2496.1	379.0	1080

Endothelial cell density of Cornea in the Left Eye (cells/mm²)

	40-49yr			50-59yr			60-69yr			70-80yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	2575.8	332.3	130	2529.2	364.4	130	2458.9	408.5	146	2532.2	402.7	139	2522.3	380.9	545
Female	2544.8	374.1	133	2452.1	359.3	134	2450.6	352.7	142	2392.2	390.1	141	2458.8	372.3	550
Total	2560.1	353.7	263	2490.1	363.2	264	2454.8	381.4	288	2461.7	401.8	280	2490.4	377.8	1095

Auditory system

1. Pure-tone audiometry (Audiometer RION AA-73A)

※ If no response occurs at the maximum output level of this audiometer, the threshold is treated as following.

Air conduction			Bone conduction		
Maximum output level		Inputed level	Maximum output level		Inputed level
500Hz	100	105	65		70
1000Hz	100	105	70		75
2000Hz	100	105	70		75
4000Hz	100	105	60		65
8000Hz	95	100			

Air conduction threshold of the right ear at 500Hz (dBHL)

	40-49yr			50-59yr			60-69yr			70-79yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Female	11.5	8.6	282	15.1	12.6	279	18.8	12.6	284	24.6	15.5	282	17.5	13.4	1127
Male	11.5	8.2	291	14.8	12.2	281	17.6	12.4	283	23.8	15.8	282	16.9	13.2	1137
Total	11.5	8.4	573	15.0	12.4	560	18.2	12.5	567	24.2	15.7	564	17.2	13.3	2264

Air conduction threshold of the right ear at 1000Hz (dBHL)

	40-49yr			50-59yr			60-69yr			70-79yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Female	8.2	8.5	282	11.9	11.6	279	16.9	13.0	284	24.1	15.9	282	15.3	13.9	1127
Male	9.8	8.9	291	14.2	13.4	281	18.3	13.8	283	26.4	17.4	282	17.1	15.0	1137
Total	9.0	8.7	573	13.1	12.6	560	17.6	13.4	567	25.2	16.7	564	16.2	14.5	2264

Air conduction threshold of the right ear at 2000Hz (dBHL)

	40-49yr			50-59yr			60-69yr			70-79yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Female	11.6	7.8	282	15.6	12.6	279	22.3	13.5	284	30.5	16.8	282	20.0	14.9	1127
Male	12.6	10.7	291	18.0	13.6	281	25.5	15.7	283	36.2	18.8	282	23.0	17.4	1137
Total	12.1	9.4	573	16.8	13.1	560	23.9	14.7	567	33.4	18.0	564	21.5	16.3	2264

Air conduction threshold of the right ear at 4000Hz (dBHL)

	40-49yr			50-59yr			60-69yr			70-79yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Female	10.4	9.2	282	16.2	14.6	279	25.1	17.4	284	36.9	19.7	282	22.2	18.6	1127
Male	18.0	16.2	291	29.1	19.5	281	38.4	20.4	283	51.1	19.9	282	34.0	22.6	1137
Total	14.3	13.7	573	22.6	18.4	560	31.8	20.1	567	44.0	21.0	564	28.1	21.5	2264

Air conduction threshold of the right ear at 8000Hz (dBHL)

	40-49yr			50-59yr			60-69yr			70-79yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Female	18.1	12.9	282	28.2	17.2	279	40.3	20.6	284	59.8	21.0	282	36.6	23.9	1127
Male	23.1	15.9	291	34.3	19.1	281	48.0	21.2	283	65.2	18.4	282	42.5	24.5	1137
Total	20.6	14.7	573	31.3	18.4	560	44.1	21.3	567	62.5	19.9	564	39.6	24.4	2264

Bone conduction threshold of the right ear at 500Hz (dBHL)

	40-49yr			50-59yr			60-69yr			70-79yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Female	26.8	11.3	17	35.5	13.6	20	31.5	12.7	40	38.0	10.4	81	34.8	12.0	158
Male	34.2	16.3	6	30.6	13.2	24	31.8	13.2	44	37.0	14.4	85	34.5	14.1	159
Total	28.7	12.8	23	32.8	13.4	44	31.7	12.9	84	37.5	12.6	166	34.7	13.1	317

Bone conduction threshold of the right ear at 1000Hz (dBHL)

	40-49yr			50-59yr			60-69yr			70-79yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Female	29.5	14.6	10	34.0	10.8	20	35.8	12.0	36	39.5	10.1	92	37.3	11.2	158
Male	34.2	26.2	6	36.2	14.9	25	34.5	16.3	52	40.0	14.6	105	37.8	15.6	188
Total	31.3	19.0	16	35.2	13.1	45	35.1	14.6	88	39.7	12.6	197	37.6	13.8	346

Bone conduction threshold of the right ear at 2000Hz (dBHL)

	40-49yr			50-59yr			60-69yr			70-79yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Female	31.5	10.1	13	35.2	13.3	32	37.0	9.4	72	42.0	11.7	135	39.1	11.6	252
Male	43.2	16.5	11	38.6	11.9	39	39.6	12.6	97	45.5	13.8	169	42.8	13.6	316
Total	36.9	14.4	24	37.0	12.6	71	38.5	11.4	169	43.9	13.0	304	41.2	12.9	568

Bone conduction threshold of the right ear at 4000Hz (dBHL)

	40-49yr			50-59yr			60-69yr			70-79yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Female	38.9	11.9	9	34.6	12.8	40	38.1	10.6	96	42.5	12.4	173	40.1	12.2	318
Male	41.7	12.1	47	42.0	11.1	111	44.6	11.6	180	49.1	11.2	234	45.7	11.7	572
Total	41.3	12.0	56	40.1	12.0	151	42.3	11.6	276	46.3	12.1	407	43.7	12.2	890

Air conduction threshold of the left ear at 500Hz (dBHL)

	40-49yr			50-59yr			60-69yr			70-79yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Female	11.6	9.6	282	13.6	9.3	279	18.6	13.3	284	24.0	15.0	282	17.0	13.0	1127
Male	11.9	9.7	291	13.8	12.5	281	17.3	14.4	283	23.6	15.7	281	16.6	14.0	1136
Total	11.8	9.7	573	13.7	11.0	560	18.0	13.9	567	23.8	15.4	563	16.8	13.5	2263

Air conduction threshold of the left ear at 1000Hz (dBHL)

	40-49yr			50-59yr			60-69yr			70-79yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Female	6.6	10.0	282	8.9	8.4	279	14.8	13.3	284	21.6	16.6	282	13.0	13.7	1127
Male	9.7	10.0	291	12.9	13.1	281	17.5	16.1	283	26.2	17.8	281	16.5	15.8	1136
Total	8.1	10.1	573	10.9	11.1	560	16.1	14.8	567	23.9	17.3	563	14.8	14.9	2263

Air conduction threshold of the left ear at 2000Hz (dBHL)

	40-49yr			50-59yr			60-69yr			70-79yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Female	10.0	9.6	282	13.6	9.8	279	20.4	14.3	284	27.9	17.1	282	18.0	14.8	1127
Male	12.5	11.2	291	18.3	15.3	281	25.2	17.4	283	35.8	19.4	281	22.9	18.3	1136
Total	11.3	10.6	573	16.0	13.0	560	22.8	16.1	567	31.8	18.7	563	20.4	16.8	2263

Air conduction threshold of the left ear at 4000Hz (dBHL)

	40-49yr			50-59yr			60-69yr			70-79yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Female	9.1	9.9	282	15.5	12.3	279	24.6	16.6	284	37.7	34.8	282	21.8	23.4	1127
Male	18.3	15.3	291	28.2	18.4	281	39.3	20.3	283	51.2	18.9	281	34.1	22.1	1136
Total	13.8	13.7	573	21.9	16.9	560	31.9	19.9	567	44.5	28.8	563	28.0	23.6	2263

Air conduction threshold of the left ear at 8000Hz (dBHL)

	40-49yr			50-59yr			60-69yr			70-79yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Female	18.6	14.2	282	28.2	17.4	279	42.0	19.8	284	59.0	20.5	282	37.0	23.7	1127
Male	22.6	15.8	291	34.5	20.4	281	50.1	21.8	283	66.1	18.2	281	43.2	25.2	1136
Total	20.7	15.2	573	31.4	19.2	560	46.0	21.2	567	62.6	19.7	563	40.1	24.6	2263

Bone conduction threshold of the left ear at 500Hz (dBHL)

	40-49yr			50-59yr			60-69yr			70-79yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Female	31.5	11.3	13	28.2	7.7	19	32.2	12.6	48	36.8	11.3	80	34.0	11.7	160
Male	20.5	29.7	10	27.7	15.9	22	31.3	14.8	35	38.6	15.2	88	34.2	17.2	155
Total	26.7	21.5	23	27.9	12.6	41	31.8	13.5	83	37.7	13.5	168	34.1	14.6	315

Bone conduction threshold of the left ear at 1000Hz (dBHL)

	40-49yr			50-59yr			60-69yr			70-79yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Female	40.0	16.0	8	35.6	10.8	8	35.9	13.2	29	41.2	11.4	73	39.4	12.3	118
Male	30.6	12.1	8	29.2	15.5	25	36.2	16.6	45	39.0	14.4	117	36.7	15.3	195
Total	35.3	14.5	16	30.8	14.6	33	36.1	15.3	74	39.8	13.3	190	37.8	14.2	313

Bone conduction threshold of the left ear at 2000Hz (dBHL)

	40-49yr			50-59yr			60-69yr			70-79yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Female	40.0	14.7	7	36.4	8.7	21	38.2	9.2	65	43.2	11.0	123	40.9	10.7	216
Male	36.7	16.3	15	37.8	13.3	47	41.8	12.2	90	45.9	14.9	166	43.1	14.4	318
Total	37.7	15.6	22	37.4	12.0	68	40.3	11.2	155	44.8	13.4	289	42.2	13.0	534

Bone conduction threshold of the left ear at 4000Hz (dBHL)

	40-49yr			50-59yr			60-69yr			70-79yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Female	32.7	13.5	11	35.6	11.5	35	39.5	11.5	89	44.2	10.5	164	41.4	11.5	299
Male	39.0	11.3	56	39.9	11.0	118	45.2	11.4	181	49.3	11.6	243	45.2	12.0	598
Total	38.0	11.8	67	38.9	11.2	153	43.3	11.7	270	47.2	11.4	407	43.9	12.0	897

2. Impedance Audiometry

Tympanometric peak pressure in the single frequency tympanogram at 226Hz for the right ear (daPa)

	40-49yr			50-59yr			60-69yr			70-79yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Female	1.3	14.0	263	-5.9	35.9	256	-14.5	46.9	257	-11.8	43.6	246	-7.6	37.6	1022
Male	-5.1	32.0	269	-7.6	37.2	263	-9.4	44.2	242	-13.9	46.0	250	-8.9	40.1	1024
Total	-1.9	25.0	532	-6.8	36.5	519	-12.1	45.6	499	-12.9	44.8	496	-8.3	38.9	2046

Static compliance in the single frequency tympanogram at 226Hz for the right ear (ml)

	40-49yr			50-59yr			60-69yr			70-79yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Female	0.67	0.52	263	0.70	0.63	256	0.66	0.62	257	0.62	0.59	246	0.66	0.59	1022
Male	0.83	0.68	269	0.92	0.88	263	0.87	0.85	242	0.82	0.74	250	0.86	0.79	1024
Total	0.75	0.61	532	0.82	0.78	519	0.76	0.75	499	0.72	0.67	496	0.76	0.71	2046

Tympanometric peak pressure in the single frequency tympanogram at 226Hz for the left ear (daPa).

	40-49yr			50-59yr			60-69yr			70-79yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Female	1.2	19.0	256	-3.7	33.2	257	-9.8	39.3	255	-9.7	39.4	244	-5.5	34.0	1012
Male	-3.9	28.7	267	-5.8	30.8	260	-8.2	44.7	246	-13.8	51.6	247	-7.8	39.9	1020
Total	-1.4	24.6	523	-4.8	32.0	517	-9.0	42.0	501	-11.8	46.0	491	-6.6	37.1	2032

Static compliance in the single frequency tympanogram at 226Hz for the left ear (ml)

	40-49yr			50-59yr			60-69yr			70-79yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Female	0.64	0.65	256	0.67	0.59	257	1.05	5.95	255	0.58	0.49	244	0.74	3.03	1012
Male	0.81	0.71	267	0.84	0.79	260	0.91	0.83	246	0.82	0.83	247	0.84	0.79	1020
Total	0.73	0.69	523	0.75	0.70	517	0.98	4.28	501	0.70	0.69	491	0.79	2.21	2032

Middle ear resonance frequency for the right ear (Hz)

	40-49yr			50-59yr			60-69yr			70-79yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Female	900.8	252.4	259	865.1	240.9	244	906.1	265.6	246	906.7	257.1	231	894.6	254.3	980
Male	823.2	216.9	269	799.2	229.0	261	825.5	248.8	236	851.5	274.0	240	824.3	242.5	1006
Total	861.3	237.9	528	831.1	236.9	505	866.6	260.4	482	878.6	267.0	471	859.0	250.8	1986

Middle ear resonance frequency for the left ear (Hz)

	40-49yr			50-59yr			60-69yr			70-79yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Female	898.8	563.5	262	873.0	237.1	246	905.5	255.8	246	906.3	246.1	230	895.7	356.4	974
Male	841.7	242.4	266	810.3	229.6	257	834.2	229.1	228	799.4	237.8	232	821.8	235.2	983
Total	869.5	430.3	518	841.0	235.2	503	871.2	245.6	474	852.6	247.5	462	858.6	303.8	1957