

**Table 9 : Distribution of Cognition level by age-group (%)**

Level / age group	0-19 n=136	20-29 n=661	30-39 n=1113	40-49 n=871	50-59 n=583	60-69 n=212	70 and over n=176
Level 1	54.41	60.97	56.42	45.35	36.88	39.15	30.11
Level 2	6.62	7.11	6.74	4.13	2.40	1.42	1.14
Level 3	14.71	19.52	22.91	32.38	39.45	43.87	39.20
Level 4	17.65	10.44	12.13	15.84	19.04	15.09	22.16
Level 5	5.88	1.97	1.71	2.18	2.23	0.47	7.39
Level 6	0.74	0.00	0.09	0.11	0.00	0.00	0.00

**Table 10 : Distribution of Pain level by age-group (%)**

Level / age group	0-19 n=136	20-29 n=661	30-39 n=1113	40-49 n=871	50-59 n=583	60-69 n=212	70 and over n=176
Level 1	47.06	48.11	47.62	42.82	40.82	40.57	25.57
Level 2	44.85	43.42	44.74	50.17	52.49	49.53	53.98
Level 3	4.41	7.41	6.38	5.51	5.56	8.49	11.36
Level 4	2.21	0.76	1.08	1.26	1.03	1.42	6.82
Level 5	1.47	0.30	0.18	0.23	0.00	0.00	2.27

Figure 2

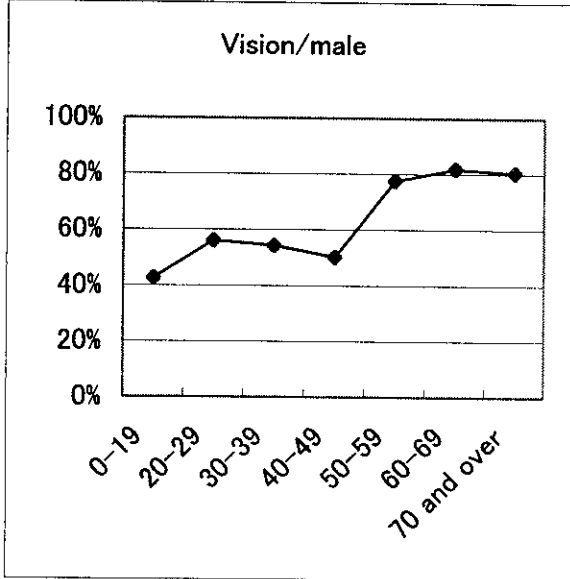


Figure 3

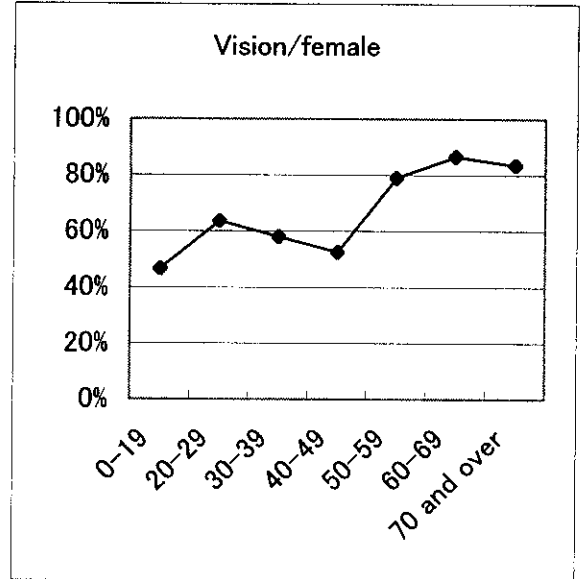


Figure 4

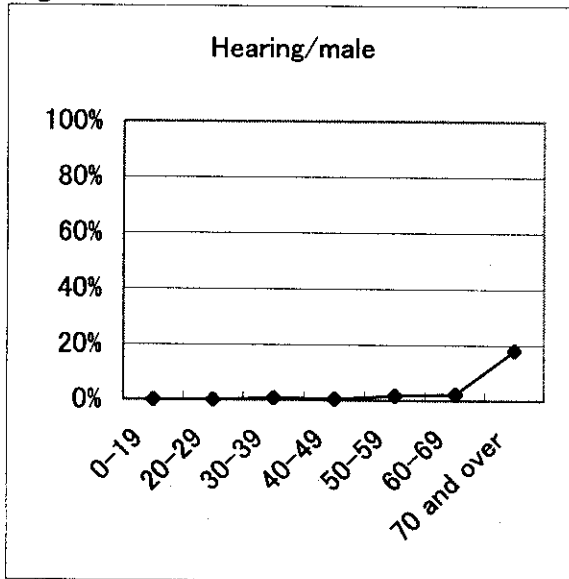


Figure 5

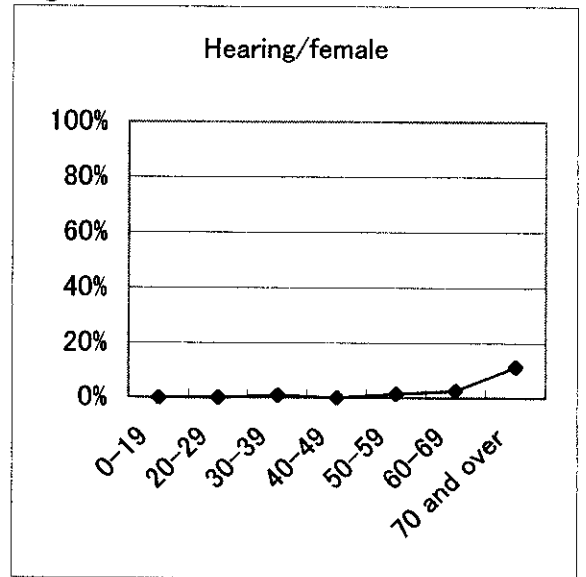


Figure 6

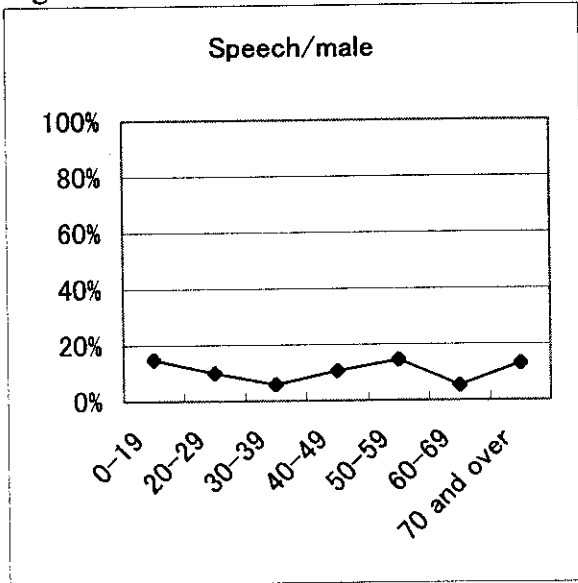


Figure 7

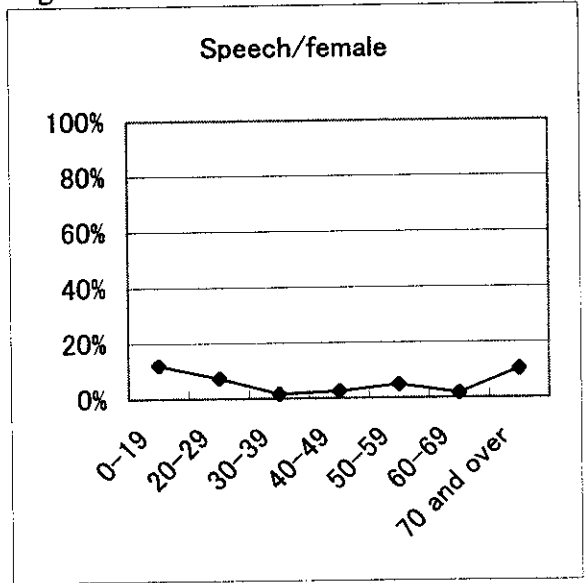


Figure 8

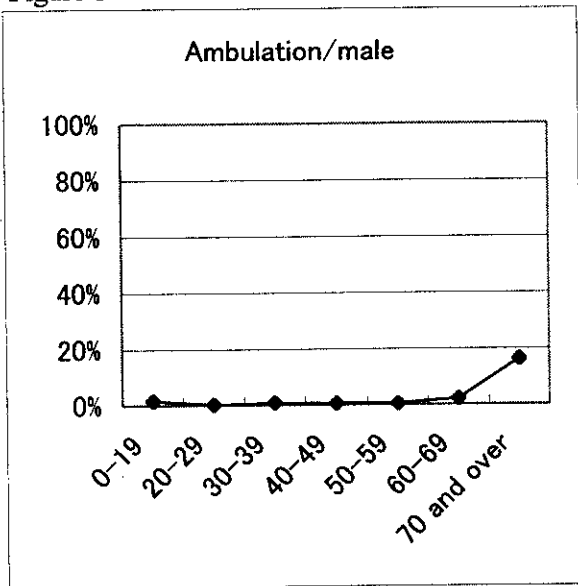


Figure 9

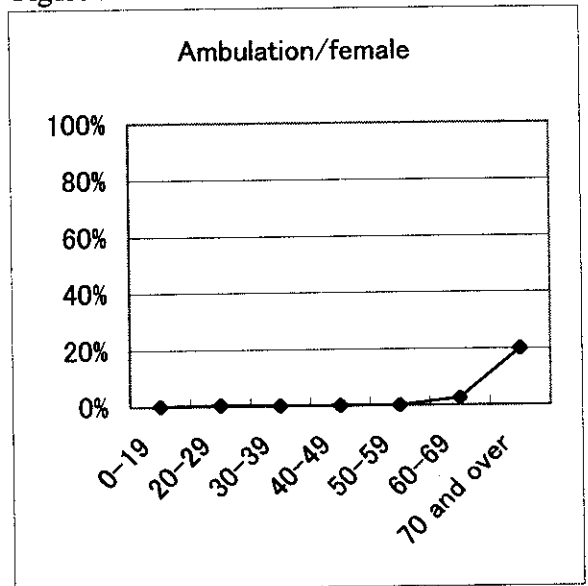


Figure 10

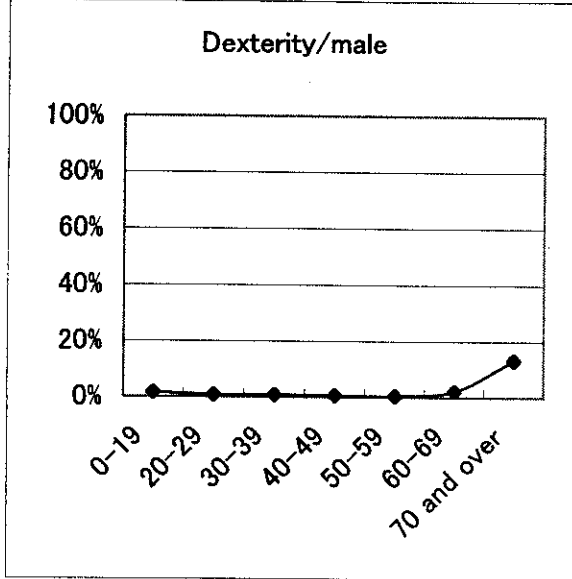


Figure 11

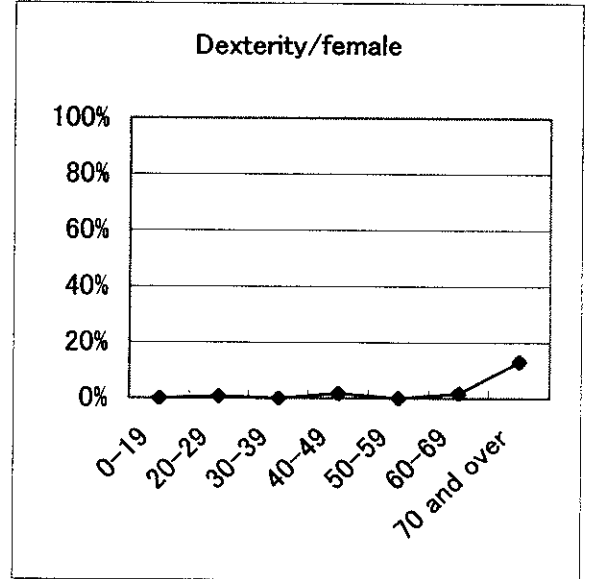


Figure 12

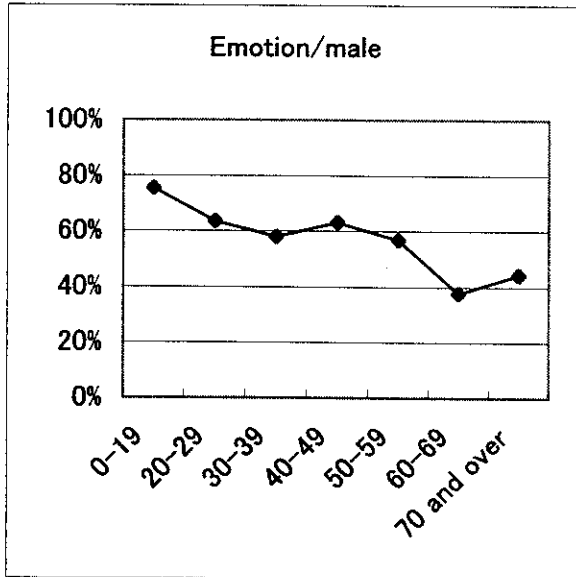


Figure 13

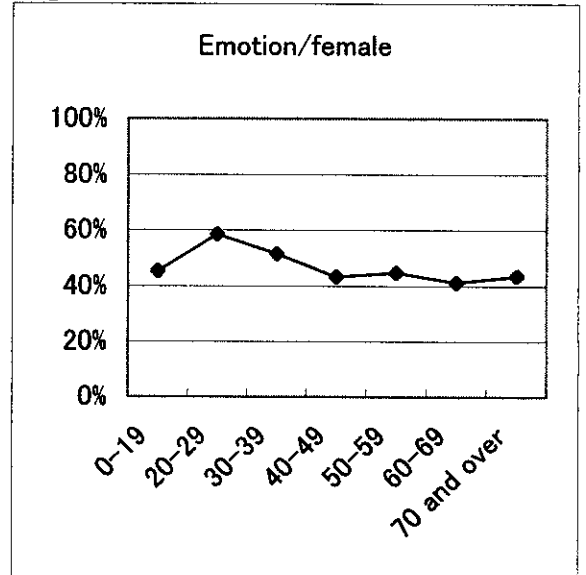


Figure 14

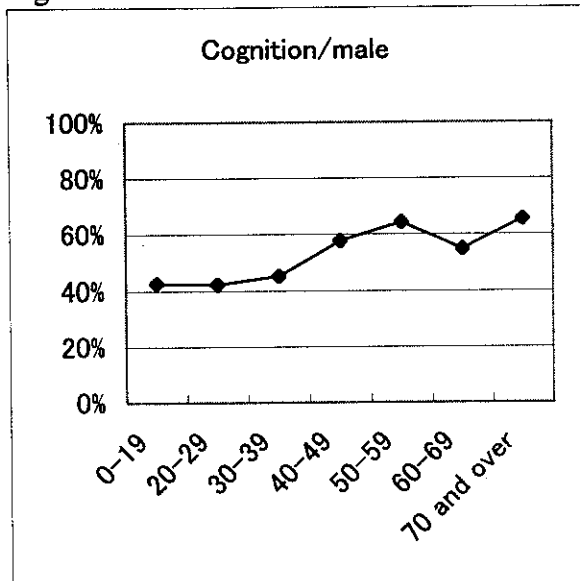


Figure 15

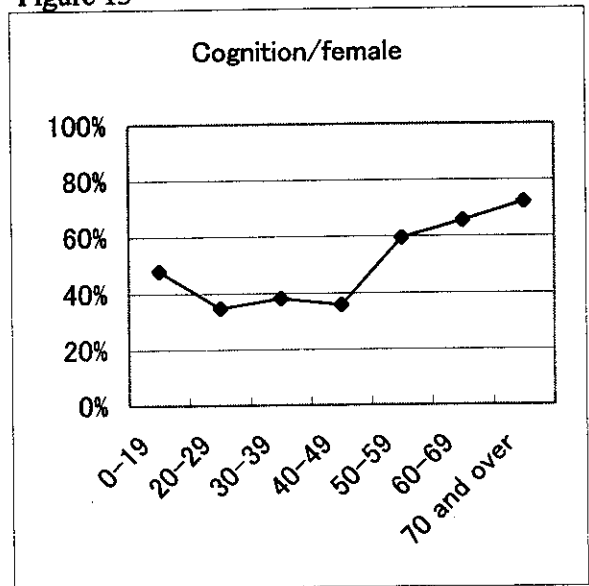


Figure 16

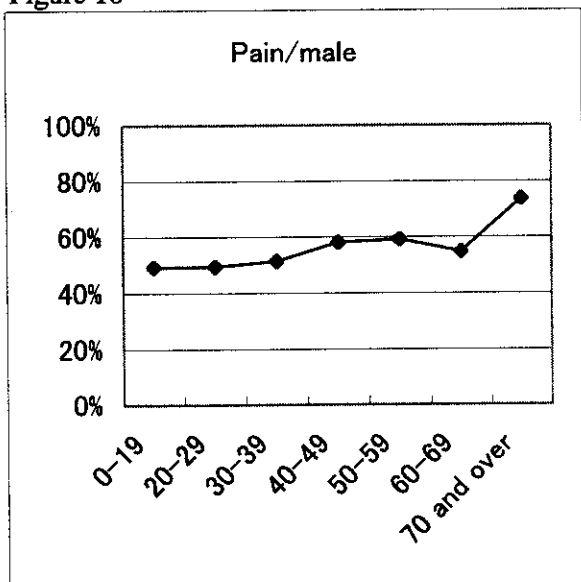


Figure 17

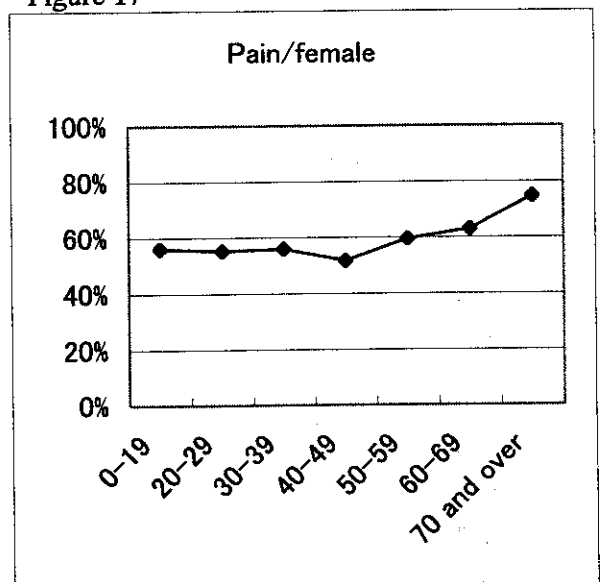


Figure 18

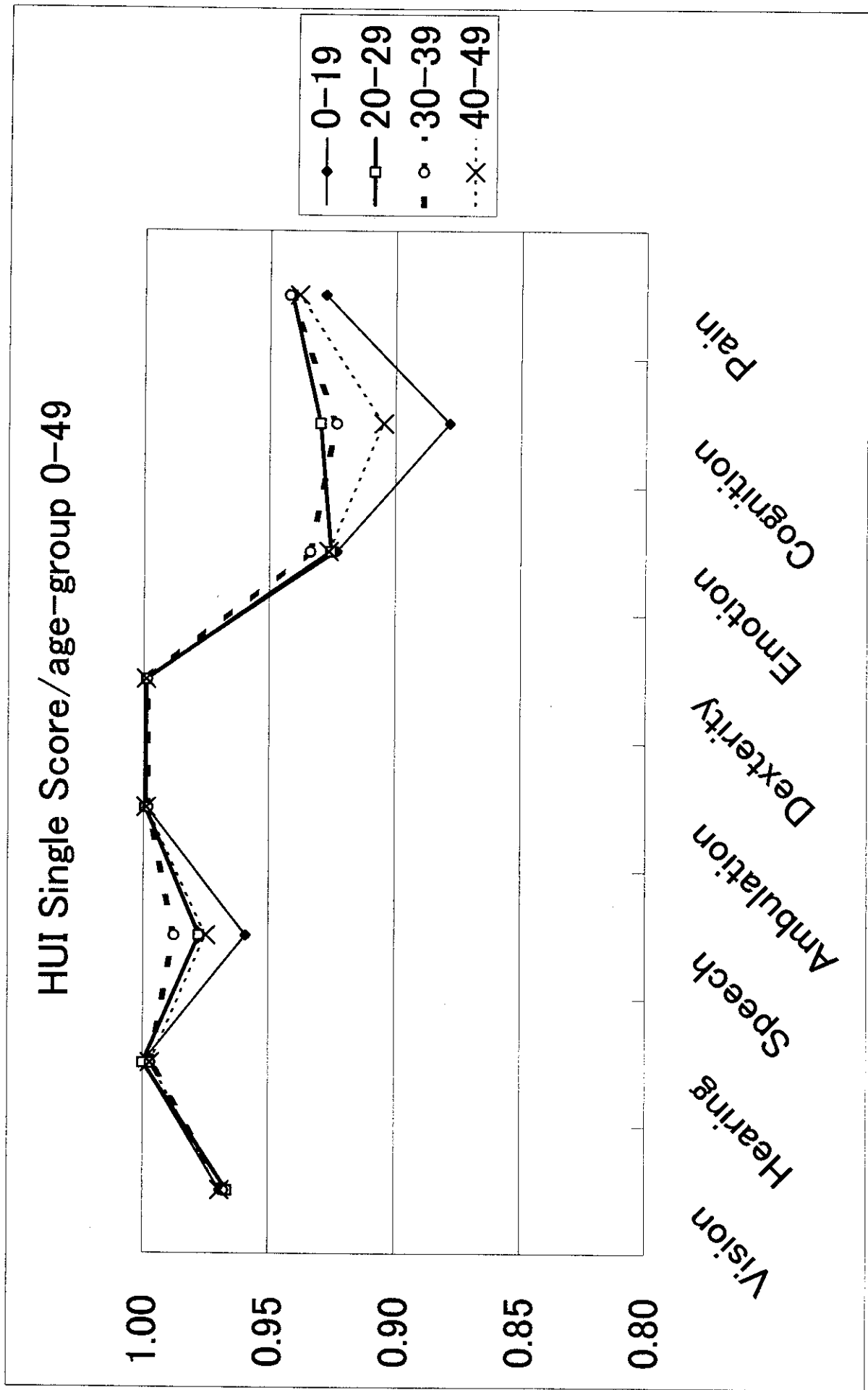


Figure 19

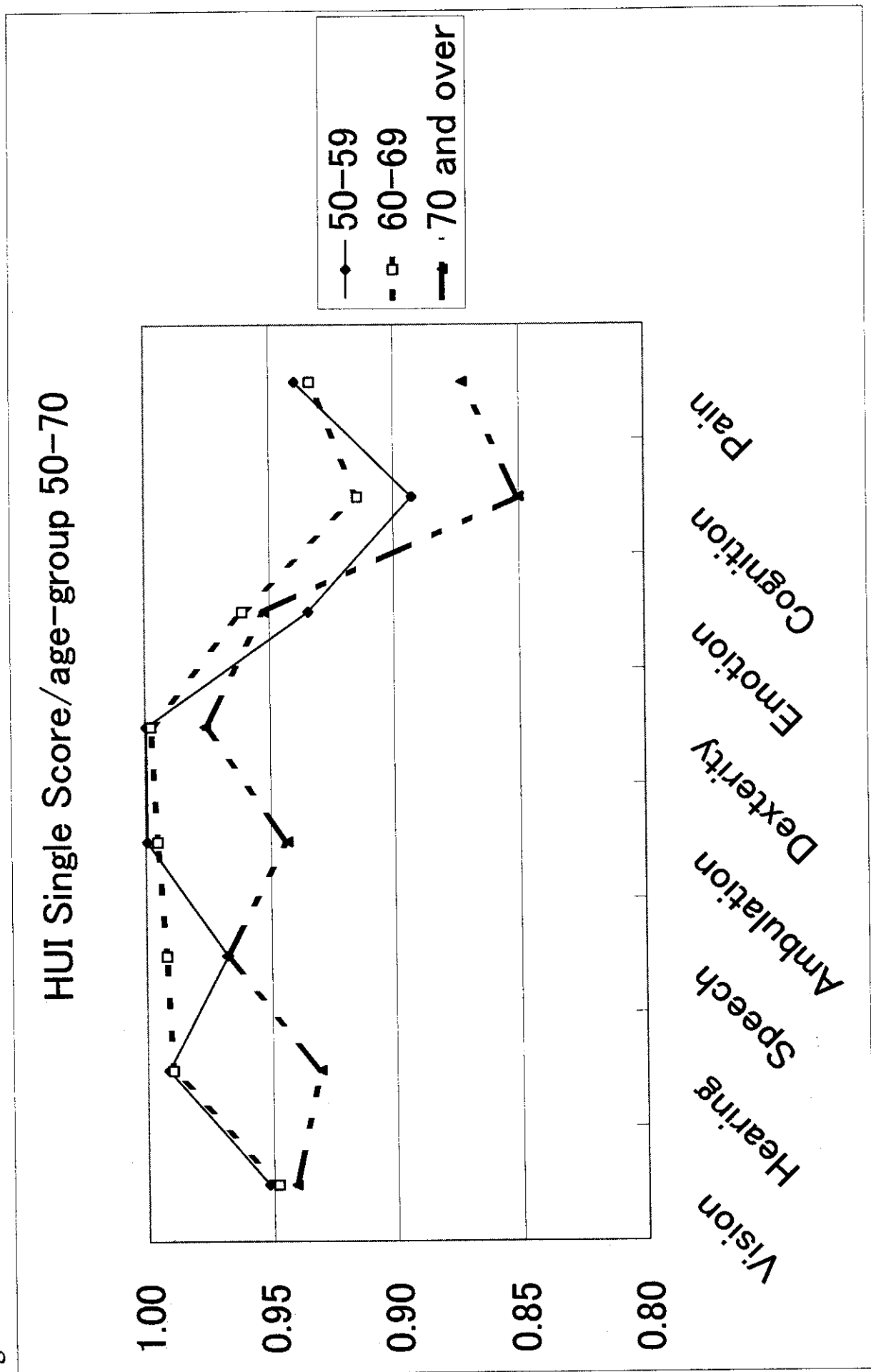


Figure 20

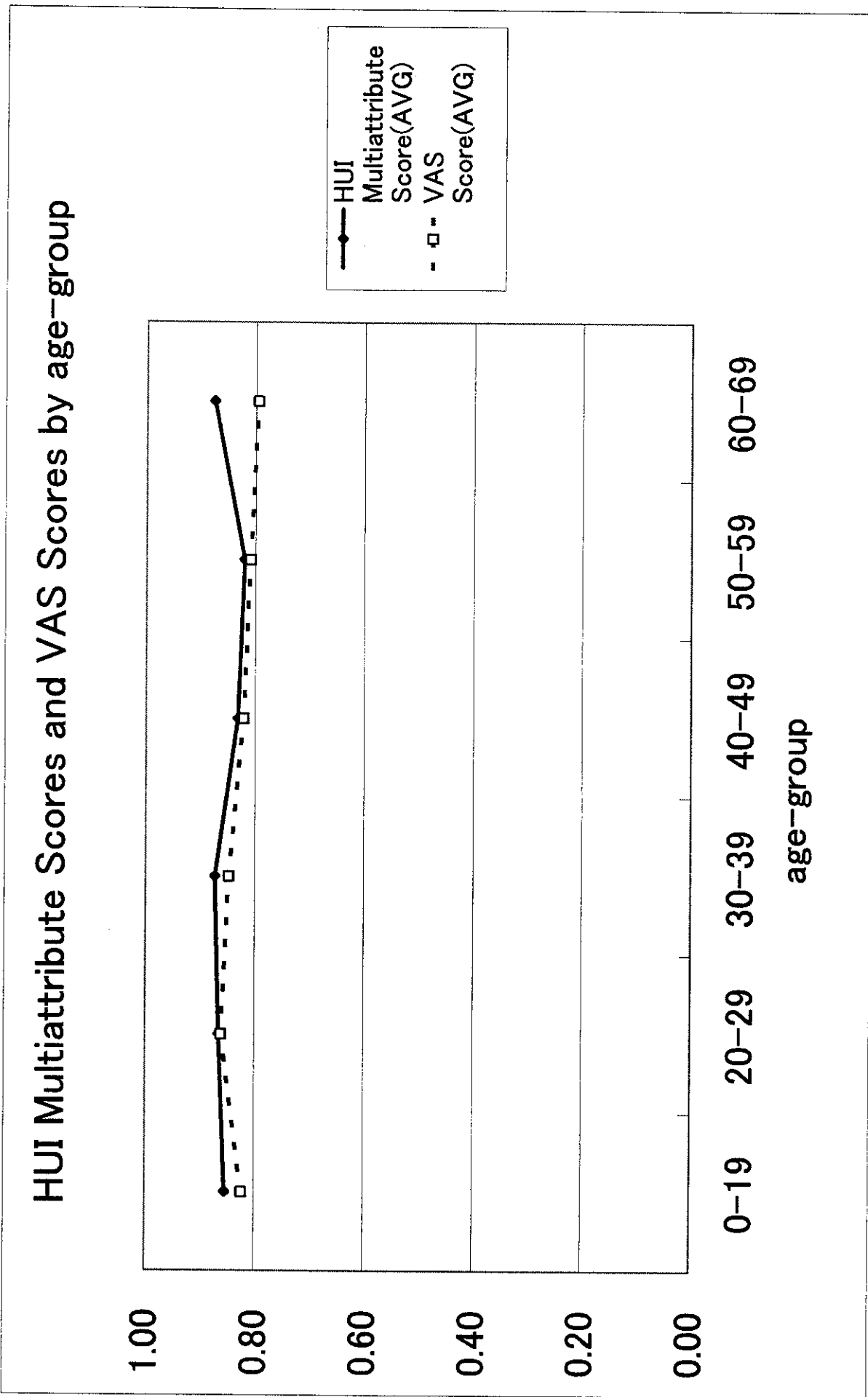




Figure 21

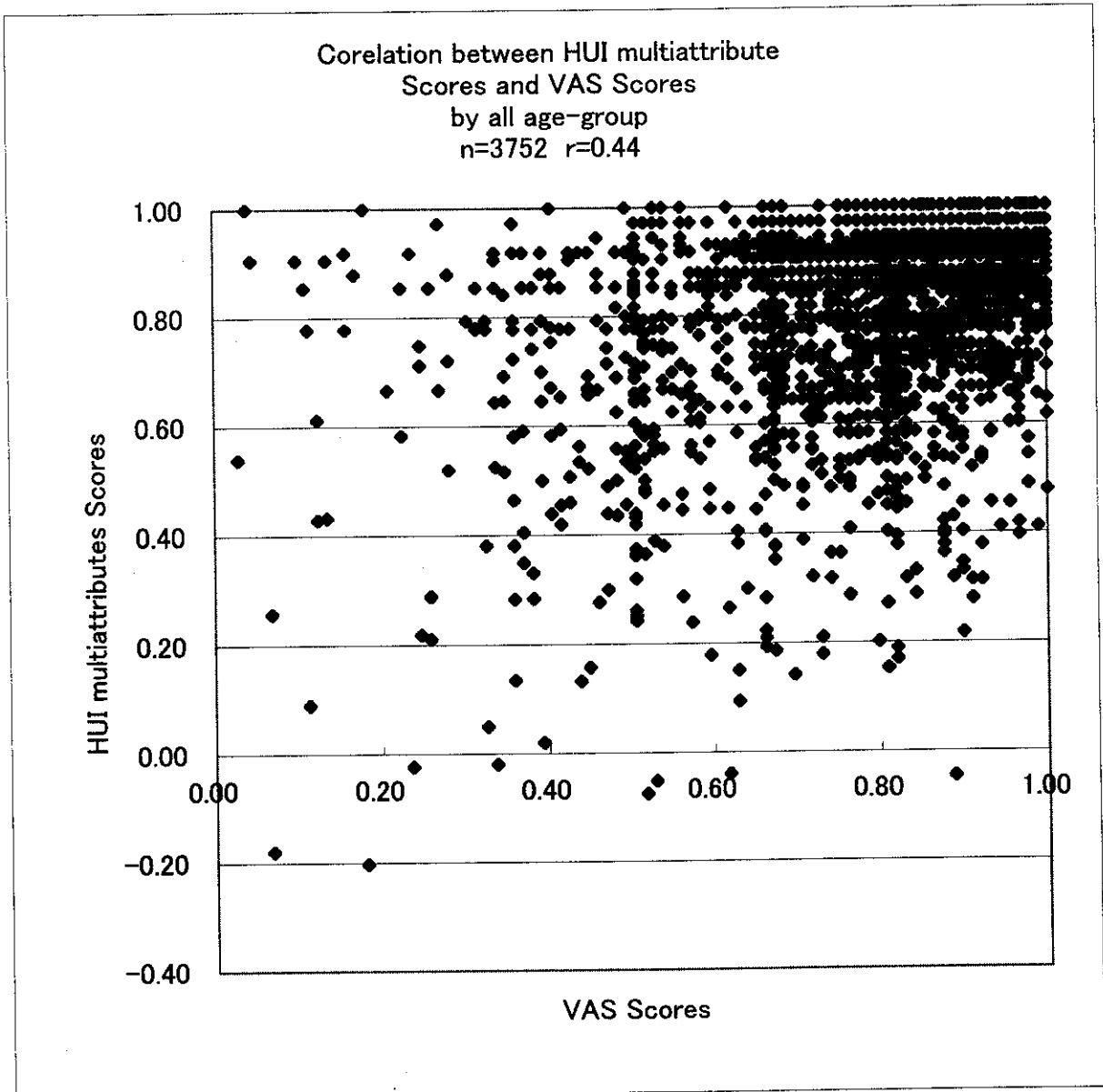


Figure 22

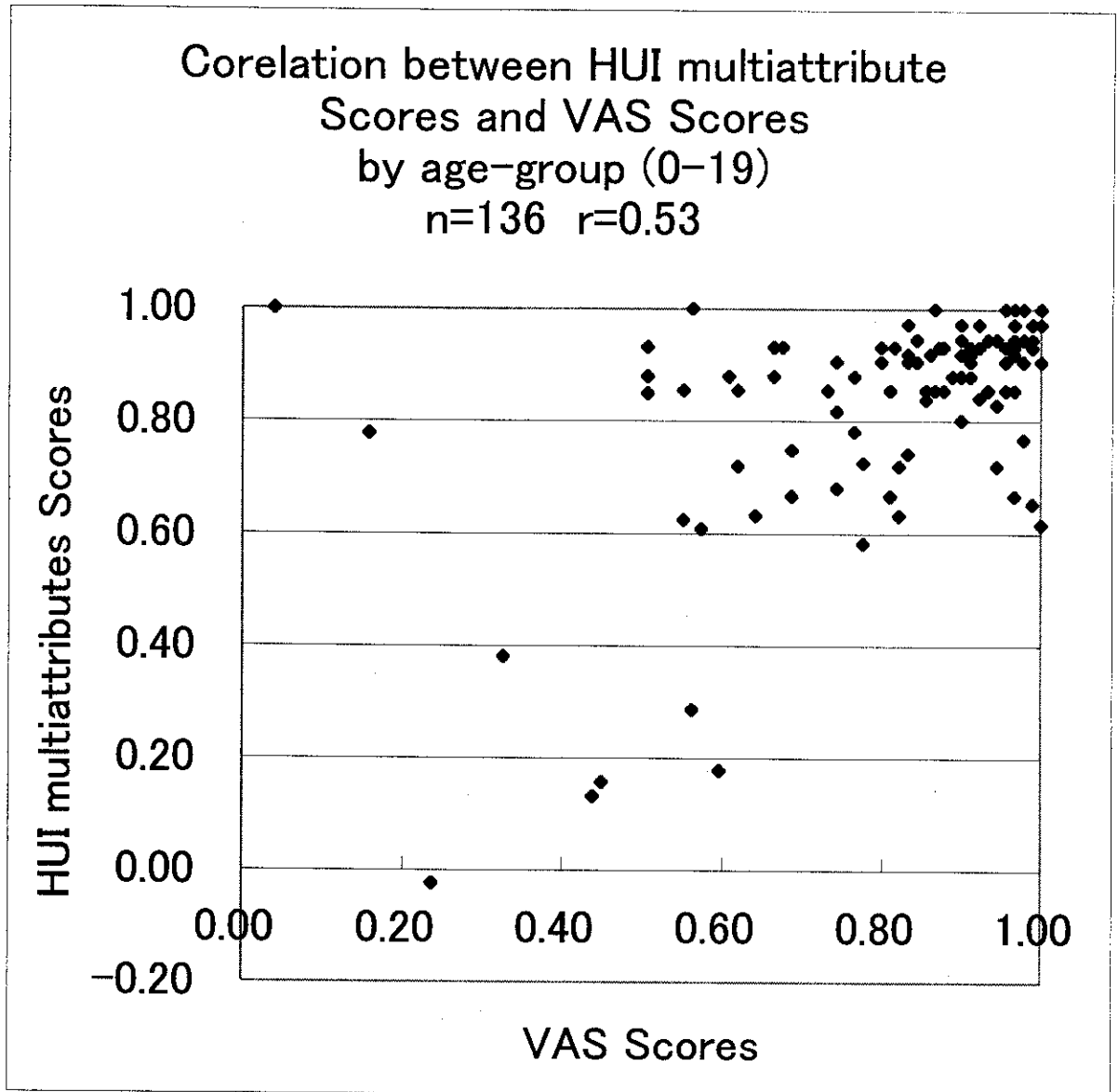


Figure 23

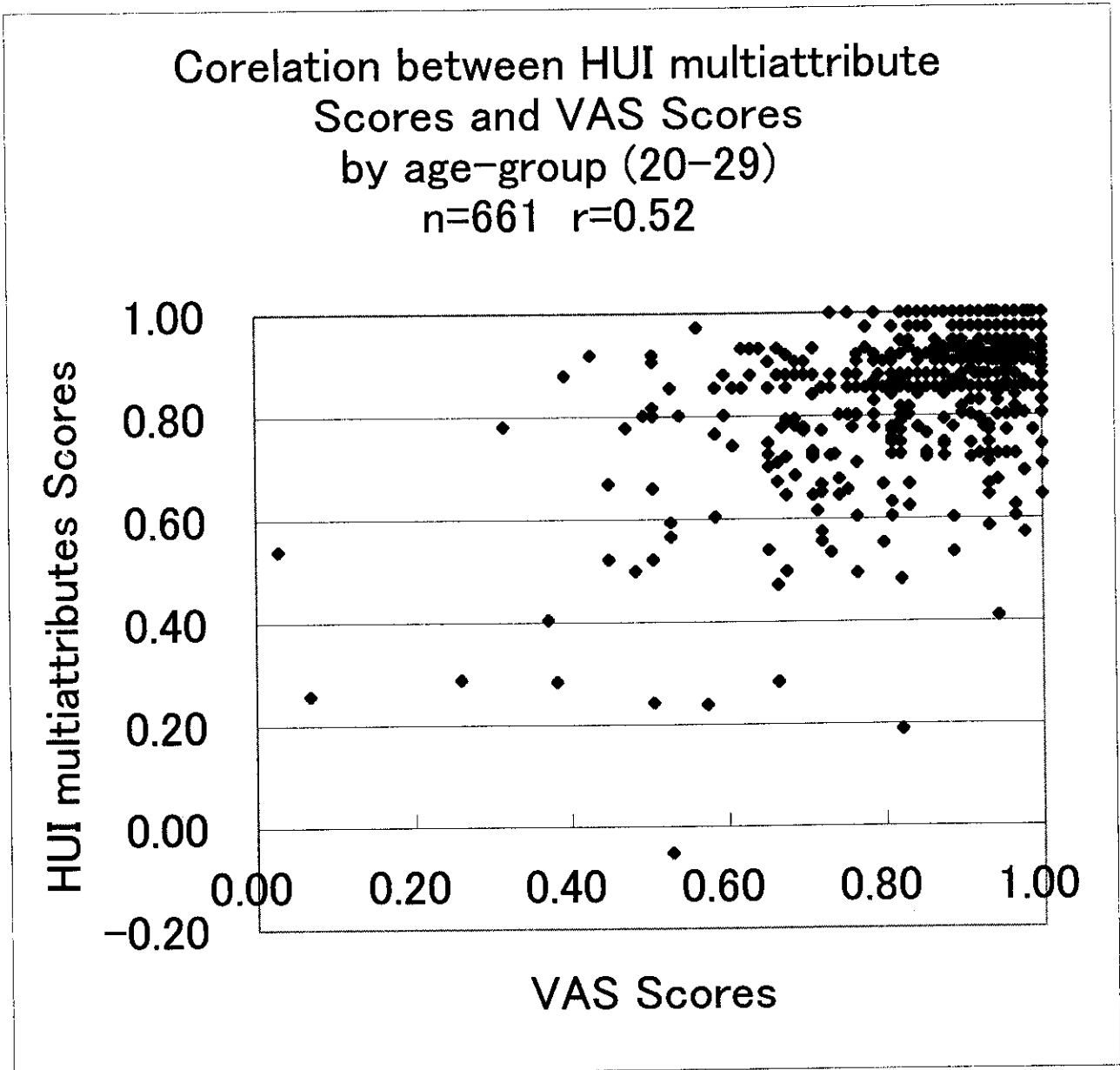


Figure 24

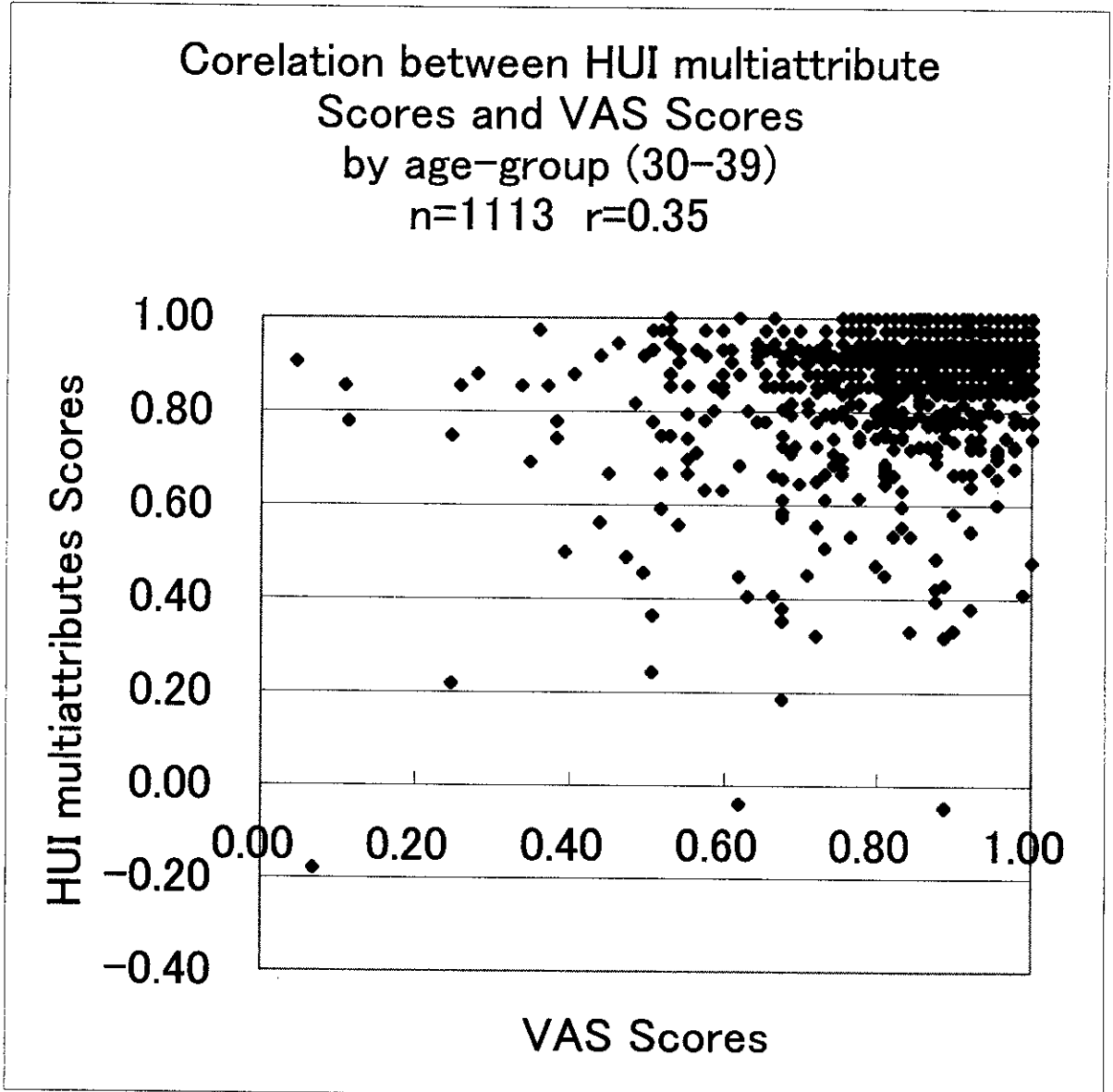


Figure 25

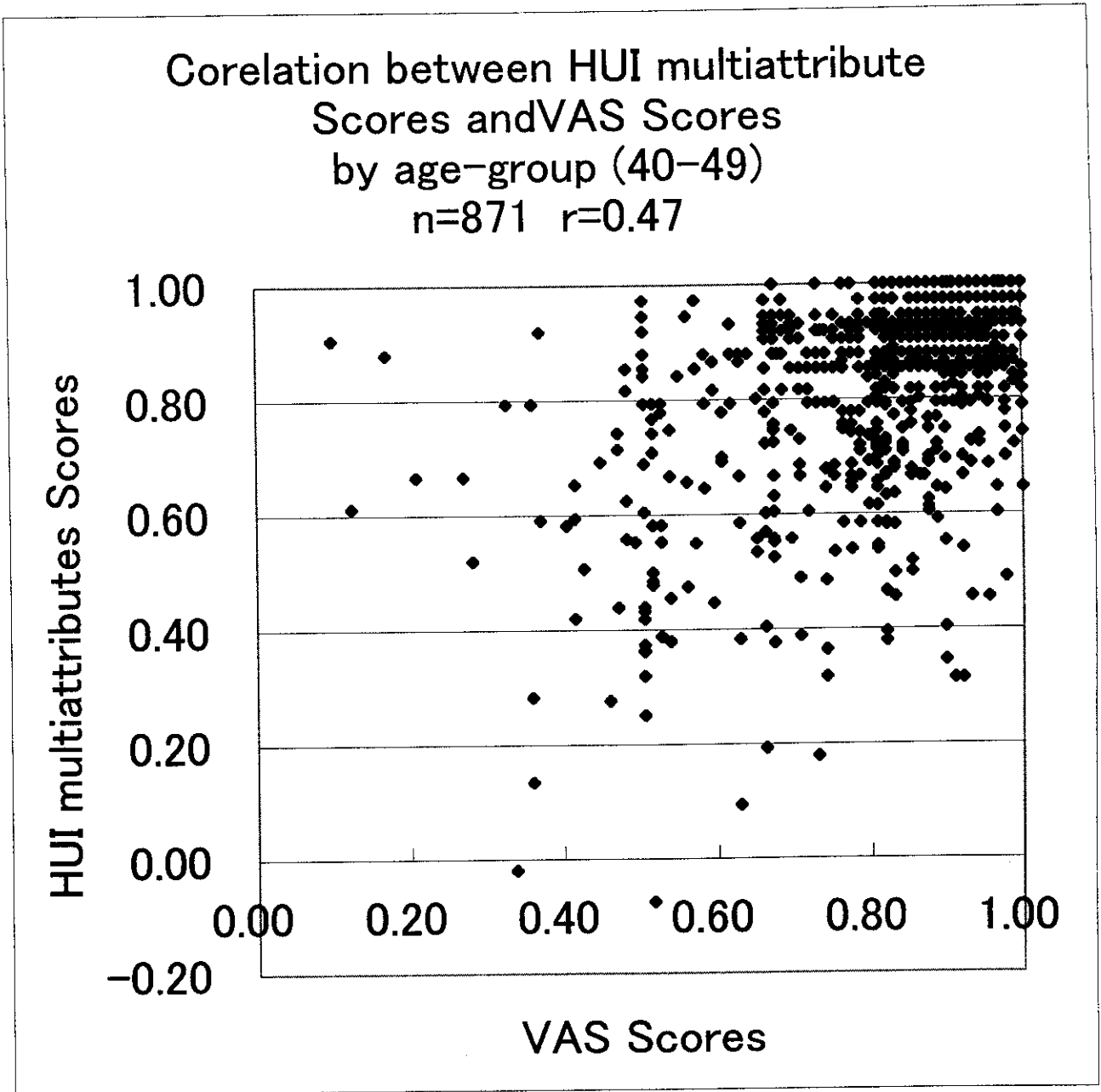


Figure 26

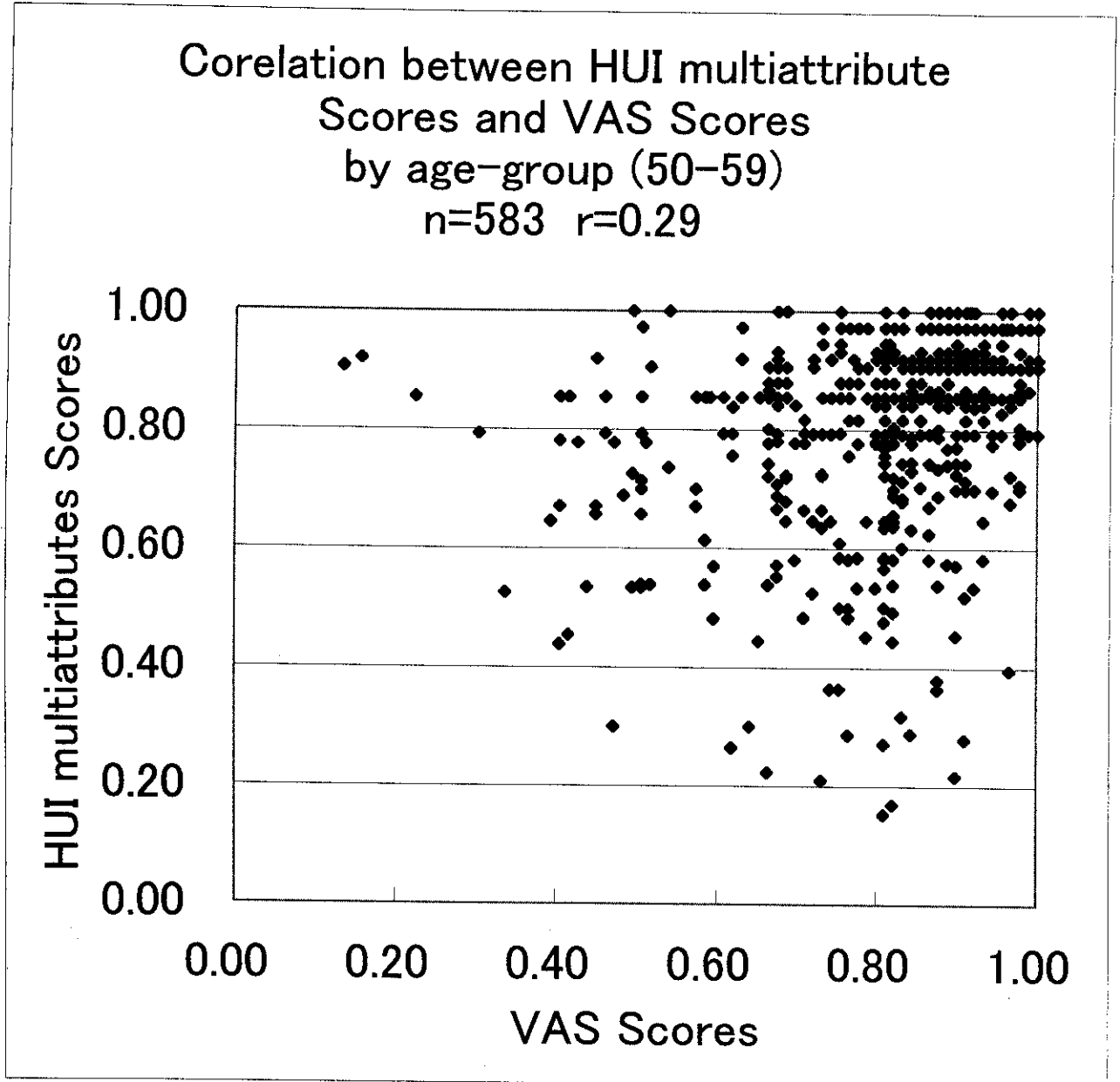


Figure 27

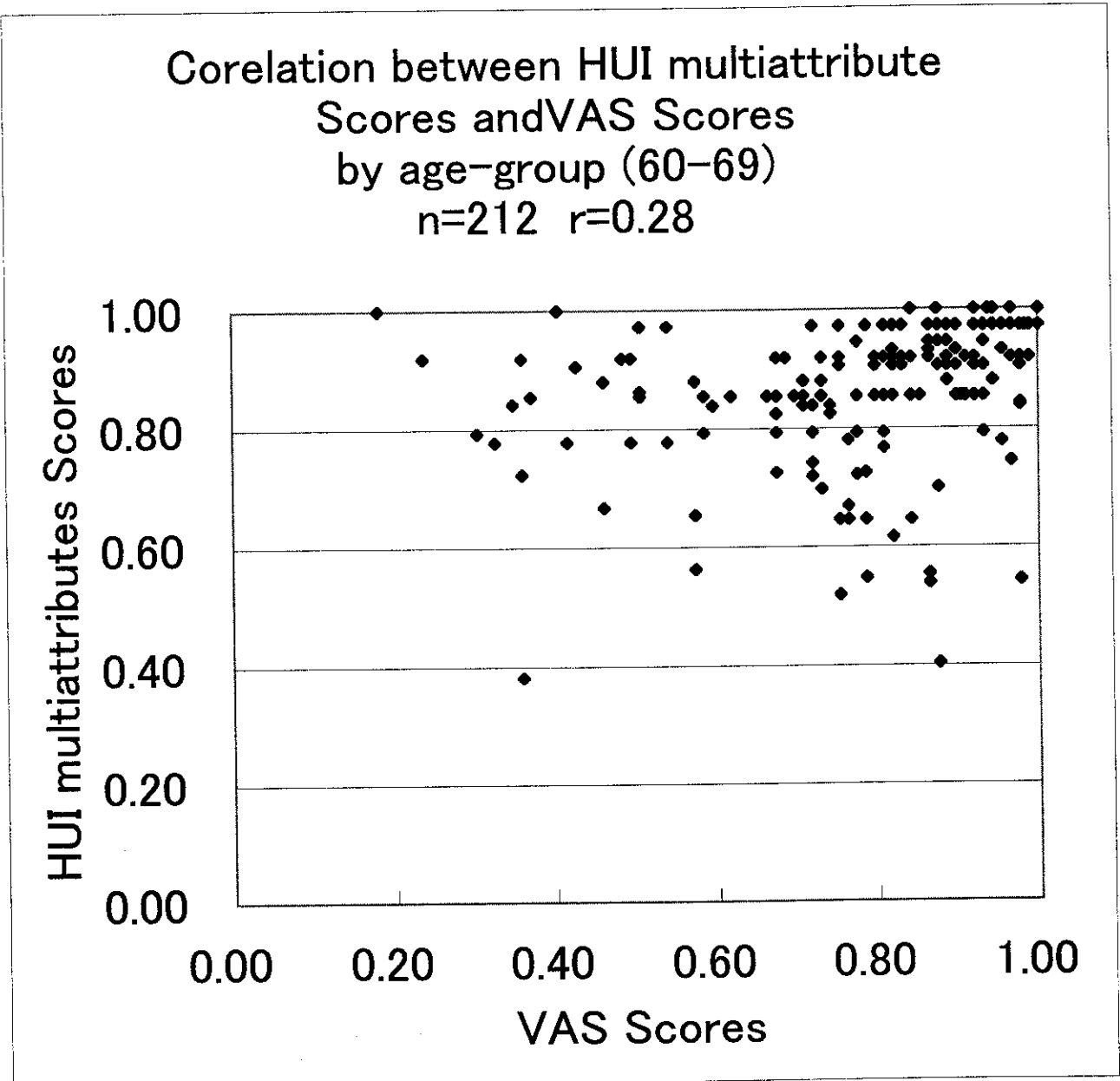
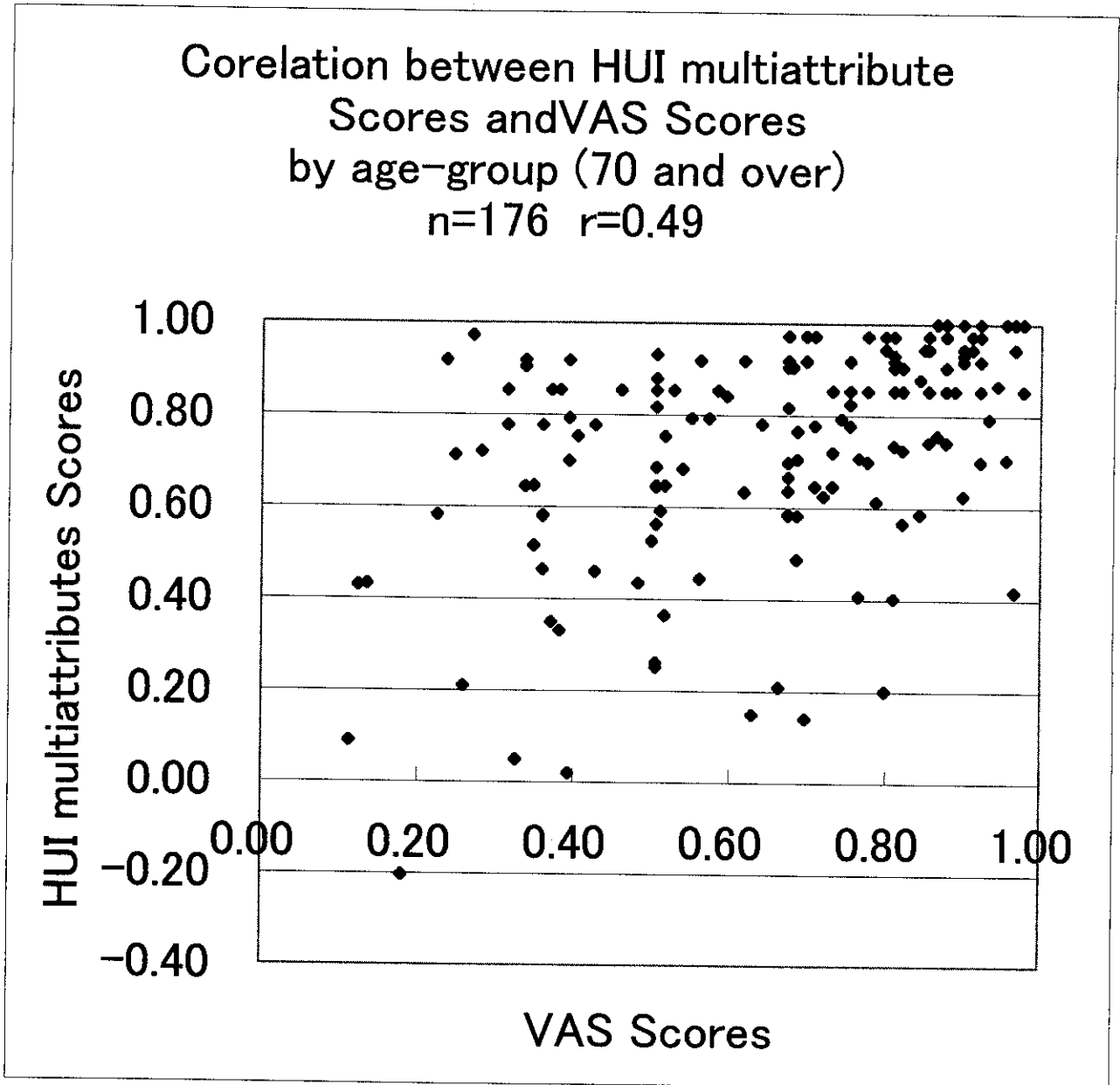


Figure 28





**Table 11 : Single, Multiattribute utility and VAS Scores from HUI II III SU15Q Surveys in Japanese population by age-group**

age-group	n	single attributes										Multi*	VAS*
		Vision*	Hearing*	Speech*	Ambulation	Dexterity	Emotion	Cognition**	Pain*				
0-19	136	0.97±0.08	1.00±0.00	0.96±0.12	1.00±0.01	1.00±0.01	0.92±0.13	0.88±0.19	0.93±0.14	0.85±0.18	0.82±0.19		
20-29	661	0.97±0.05	1.00±0.00	0.98±0.08	1.00±0.01	1.00±0.01	0.93±0.09	0.93±0.13	0.94±0.09	0.87±0.13	0.86±0.14		
30-39	1113	0.97±0.05	1.00±0.04	0.99±0.06	1.00±0.03	1.00±0.03	0.93±0.09	0.92±0.13	0.94±0.09	0.87±0.13	0.85±0.13		
40-49	871	0.97±0.06	1.00±0.05	0.97±0.08	1.00±0.02	1.00±0.01	0.93±0.10	0.90±0.14	0.94±0.09	0.83±0.16	0.82±0.15		
50-59	583	0.95±0.06	0.99±0.08	0.97±0.10	1.00±0.01	1.00±0.01	0.93±0.09	0.89±0.14	0.94±0.07	0.82±0.16	0.81±0.14		
60-69	212	0.95±0.06	0.99±0.07	0.99±0.05	1.00±0.03	1.00±0.02	0.96±0.05*	0.91±0.11	0.93±0.08	0.87±0.11	0.79±0.17		
70 and over	176	0.94±0.09	0.93±0.20	0.97±0.09	0.94±0.14	0.98±0.08	0.95±0.07	0.85±0.19	0.87±0.19	0.74±0.24	0.67±0.22		
all age	3,752	0.96±0.06	0.99±0.07	0.98±0.08	1.00±0.04	1.00±0.02	0.93±0.09	0.91±0.14	0.94±0.10	0.85±0.15	0.83±0.15		

\* ; p<0.05, \*\* ; p<0.01 by ANOVA (among age-group)

Table 12 : Utility Scores (Single, Multiattributes and VAS ) by marriage status

marriage status	n	age**	attributes										Multi**	VAS**
			Vision	Hearing*	Speech	Ambulation*	Dexterity*	Emotion	Cognition*	Pain				
Single	932	27.77 ± 8.88	0.97 ± 0.06	1.00 ± 0.03	0.97 ± 0.09	1.00 ± 0.04	1.00 ± 0.03	0.91 ± 0.11	0.91 ± 0.15	0.91 ± 0.11	0.94 ± 0.11	0.85 ± 0.15	0.84 ± 0.15	
Married	2,479	46.63 ± 11.53	0.96 ± 0.06	0.99 ± 0.06	0.98 ± 0.08	1.00 ± 0.03	1.00 ± 0.02	0.94 ± 0.09	0.91 ± 0.13	0.94 ± 0.09	0.94 ± 0.09	0.85 ± 0.15	0.83 ± 0.15	
Divorced	94	42.94 ± 10.89	0.96 ± 0.04	1.00 ± 0.01	0.99 ± 0.05	1.00 ± 0.02	1.00 ± 0.00	0.92 ± 0.09	0.91 ± 0.12	0.94 ± 0.06	0.94 ± 0.06	0.85 ± 0.12	0.81 ± 0.18	
Separation by death	107	70.50 ± 11.74	0.94 ± 0.08	0.94 ± 0.19	0.96 ± 0.10	0.95 ± 0.12	0.98 ± 0.06	0.94 ± 0.08	0.84 ± 0.20	0.90 ± 0.16	0.90 ± 0.16	0.76 ± 0.23	0.68 ± 0.21	
Remarriage	42	42.62 ± 10.86	0.97 ± 0.02	1.00 ± 0.02	0.98 ± 0.06	0.98 ± 0.10	1.00 ± 0.02	0.94 ± 0.12	0.89 ± 0.17	0.92 ± 0.16	0.92 ± 0.16	0.85 ± 0.18	0.83 ± 0.12	

\* ; p<0.05, \*\* ; p<0.01 by ANOVA (among marriage status group)

Table 13 : Utility Scores (Single, Multiattributes and VAS) by education

education	n	age avg ± std	attributes										Multi	VAS
			Vision	Hearing	Speech	Ambulation	Dexterity	Emotion	Cognition	Pain				
in school (students)	242	19.88 ± 3.07	0.96 ± 0.08	1.00 ± 0.00	0.98 ± 0.07	1.00 ± 0.00	1.00 ± 0.01	0.93 ± 0.11	0.92 ± 0.14	0.95 ± 0.11		0.89 ± 0.13	0.85 ± 0.17	
Elementary School	7	78.43 ± 3.89	0.97 ± 0.02	0.98 ± 0.05	1.00 ± 0.00	0.91 ± 0.22	0.98 ± 0.04	1.00 ± 0.00	0.84 ± 0.21	0.81 ± 0.33		0.80 ± 0.27	0.77 ± 0.06	
Junior High School	162	63.84 ± 13.09	0.96 ± 0.06	0.98 ± 0.13	0.97 ± 0.09	0.97 ± 0.10	0.99 ± 0.02	0.95 ± 0.08	0.87 ± 0.16	0.92 ± 0.10		0.80 ± 0.18	0.75 ± 0.19	
High School	1425	44.75 ± 11.90	0.96 ± 0.06	0.99 ± 0.07	0.97 ± 0.10	1.00 ± 0.04	1.00 ± 0.03	0.92 ± 0.10	0.90 ± 0.14	0.93 ± 0.10		0.81 ± 0.18	0.81 ± 0.16	
Job School	248	38.07 ± 14.95	0.97 ± 0.03	0.99 ± 0.07	0.98 ± 0.08	1.00 ± 0.01	1.00 ± 0.02	0.93 ± 0.10	0.91 ± 0.15	0.94 ± 0.07		0.84 ± 0.14	0.84 ± 0.16	
Collage	290	36.15 ± 12.02	0.96 ± 0.06	1.00 ± 0.02	0.99 ± 0.05	1.00 ± 0.02	1.00 ± 0.02	0.95 ± 0.06	0.94 ± 0.09	0.95 ± 0.07		0.89 ± 0.09	0.86 ± 0.12	
University	1,222	38.16 ± 9.77	0.96 ± 0.05	1.00 ± 0.05	0.99 ± 0.05	1.00 ± 0.03	1.00 ± 0.02	0.94 ± 0.09	0.93 ± 0.13	0.94 ± 0.08		0.88 ± 0.12	0.84 ± 0.14	
Higher than University	46	37.46 ± 9.48	0.96 ± 0.06	1.00 ± 0.00	0.99 ± 0.05	1.00 ± 0.00	1.00 ± 0.00	0.95 ± 0.06	0.91 ± 0.15	0.94 ± 0.09		0.89 ± 0.09	0.84 ± 0.10	
others	36	56.58 ± 24.05	0.95 ± 0.06	0.95 ± 0.12	0.96 ± 0.12	0.98 ± 0.07	0.98 ± 0.05	0.93 ± 0.12	0.82 ± 0.21	0.90 ± 0.19		0.78 ± 0.24	0.72 ± 0.22	

Table 14 : Utility Scores (Single, Multiattributes and VAS ) by annual income

annual income	n	age avg±std	attributes										Multi	VAS
			Vision	Hearing	Speech	Ambulation	Dexterity	Emotion	Cognition	Pain				
0~10000 USD	458	37.90±19.71	0.96±0.06	1.00±0.04	0.98±0.09	0.99±0.06	0.99±0.04	0.94±0.10	0.92±0.14	0.93±0.12	0.87±0.15	0.83±0.17		
10000~30000 USD	421	38.72±19.83	0.96±0.07	0.99±0.09	0.98±0.07	0.99±0.06	0.99±0.05	0.93±0.08	0.92±0.12	0.93±0.10	0.85±0.15	0.83±0.17		
30000~50000 USD	788	36.86±12.34	0.97±0.05	1.00±0.06	0.98±0.08	1.00±0.03	1.00±0.01	0.92±0.11	0.90±0.15	0.93±0.10	0.84±0.16	0.83±0.15		
50000~100000 USD	1,467	43.53±8.76	0.96±0.05	0.99±0.06	0.97±0.08	1.00±0.03	1.00±0.01	0.93±0.09	0.90±0.14	0.94±0.09	0.83±0.16	0.82±0.15		
100000 USD and over	341	42.72±8.55	0.96±0.05	1.00±0.06	0.99±0.06	1.00±0.01	1.00±0.01	0.95±0.07	0.93±0.11	0.94±0.08	0.89±0.11	0.85±0.13		