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Neurosis from the Viewpoint of DIS (Diagnostic Interview Schedule)

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Abstract: We examined the relationship between clinical and DIS-Lifetime diagnoses given independently on 106 psychiatric patients clinically diagnosed as suffering from neurosis. They had many coexisting DIS diagnoses, and some of them had no DIS diagnosis. The key to the coexistence relationships in DIS diagnosis was a major depressive episode, and the subjects were classified into four types by the DIS coexistence relationships; Type I: 28 cases (26.4%) had coexisting diagnoses belonging to anxiety disorders or somatoform disorders, in addition to a major depressive episode. They were suffering from clinically severe neurosis accompanied by borderline personality disorder. Type II: 30 cases (28.3%) belonged to anxiety disorders or somatoform disorders without a major depressive episode, and had clinically symptomatic neurosis. Type III: 18 cases (17.0%) had a major depressive episode without anxiety disorders or somatoform disorders, and had clinically depressive neurosis or depressive episode with less distortion of the personality. Type IV: 30 cases (28.3%) were other than Type I-III, and were clinically similar to symptomatic neurosis.

Key Words: DIS diagnosis, clinical diagnosis, neurosis, borderline personality disorder

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INTRODUCTION

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SM-III (Diagnostic and Statistical Manua: of Mental Disorders, Third Edition)⁶ published in 1980 by the American Psychiatric Association presents an extremely unique diagnostic classification, characterized by using the multiaxial diagnosis and distinct diagnostic criteria. In the multiaxial diagnosis, with a goal toward a comprehensive

diagnosis of patients to facilitate treatment, clinical syndromes are entered on Axis I, personality disorders and specific development disorders on Axis II, physical diseases and conditions on Axis III, severity of psychosocial stressors on Axis IV, and the highest level of adaptive functioning over the past one year on Axis V.

With regard to neurosis, since DSM-III takes a nontheoretical position in terms of pathogenesis and the approach to grasp semiotic features descriptively, the neurosis is deleted from Axis I because the term "neurosis" and its conception are ambiguous. This calls for a further review and discussion.

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As to the diagnosis of the personality disorder on Axis II, "personality traits" are defined as being "enduring patterns of perceiving, relating to, and thinking about the environment and oneself ..." and constitute "personality disorders" when such personality traits are so strengthened as to be of a morbid state. Furthermore, it says that "diagnoses of more than one personality disorder should be made if the individual meets the criteria for more than one." And it is more important that because DSM-III depends too much on descriptive features even in making a diagnosis of personality disorder, it lacks in the viewpoint of psychodynamics, such as in the developmental level of emotion, defense mechanism, or differentiation of personality organization.

Previously a conventional concept of neurosis placed Axes I and II in the center integrating all aspects, Axes III, IV and V in consideration. Because DSM-III separated them, it is a matter of course that the concept and the term neurosis became ambiguous.

Notwithstanding being criticized concerning the above, DSM-III certainly has been accepted worldwide and reviewed for the reason that it has brought in more of a scientific method based on objective procedure for making psychiatric diagnoses, which had been rather dependent on the personal technique of the psychiatrist. Under such circumstances, it leads to making a computer diagnosis available, in which a structural diagnostic interview is conducted in accordance with the diagnostic criteria and a diagnosis is reached by analyzing the obtained data by computer.

In our university hospital, the Japanese version of DIS (Diagnostic Interview Schedule)⁴¹ originated by NIMH (National Institute of Mental Health) was made and has been in use since June, 1980 to obtain a "DIS computer diagnosis" from the data to be used in psychiatric diagnosis and studies in a variety of fields. The results of DIS, originally developed for use in the

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epidemiological research in general, show a high concordance rate with the clinical diagnosis (DSM-III) made by psychiatricis. However, our study (1984 and 1985) has revealed some considerably interesting differences between the DIS computer diagnosis (DSM-III) and conventional clinical diagnosis (ICD-9) which we commonly use in our clinical practice. 31 34 36

Based on the above, the authors conducted DIS on the neurotic patients under medical care in the psychiatric department of Fukuoka University Hospital to judge the characteristics of the DIS diagnosis and its clinical application as has been reported in this paper.

SUBJECTS AND METHODS

The subjects are 106 patients (45 males and 61 females) with a mean age of 34.1 (S.D. \pm 13.0). Among those are 72 outpatients who, while visiting our department for the first time during the period from June, 1980 to May, 1985, agreed to cooperate with our study. The mean age of the outpatients was 38.2 (\pm 13.1). Thirty-four were inpatients who had been under hospitalized treatment in our department during the period from March, 1984 to September, 1985. The mean age of the inpatients was 25.4 (\pm 6.9).

At first each patient was given the clinical diagnosis and DIS diagnosis independently in the manner as described below (Outline of Main Examination Items). Then the relitionship between the clinical diagnosis and DIS diagnosis was studied. Secondly, the DIS diagnosis of each patient was sorted out depending on the coexistence relationship it contained, and was classified according to the specific character of respective coexistence relationships. Thirdly, in order to examine the clinical significance of the classification based on the coexistence relationship. Only on the 34 inpatients, to whom we have access to for more reliable data, we carried out a pursuit survey for psychodynamic personality

diagnosis, remarkab (General Assessment mechanisms, 30 developed bid character, person University version, 33 psychiatric problems within the second decines mainly used, proach, acting-out, hospitalization, and the time of dischara

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Clinical Diagnosis

The clinical diag cordance with ICD outpatients were ma tion of the doctor in There were 18 cases rosis, 16 of depressi ety neurosis, 15 of so forth. For the inpa made through consu at the time of discha was seen in 11 case 10, obsessive-compuso forth. All of the of the conventional

DIS Diagnosis

The DIS⁴¹ is a diagram ule developed by N epidemiological survation. The interviewer to be psychiatrists training of about two systematized interviewee answers simulated questions on psychiatric have had by that the asks one by one schedule. An interviewer or one hour and a are analyzed by condiagnosis.

Among various printerviewee may have

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diagnosis, remarkable symptoms,^{32 35} GAS (General Assessment Scale),⁴³ main defense mechanisms,³⁰ developmental level, premorbid character, personality test of the Fukuoka University version,^{33 42} family unity and the psychiatric problems of the family members within the second degree of kinship, medicines mainly used, psychotherapeutic approach, acting-out, number of days under hespitalization, and improvement degree at the time of discharge from the hospital.

Outline of Main Examination Items

Clinical Diagnosis

The clinical diagnosis was made in accordance with ICD-9.⁵⁴ Diagnoses for the outpatients were made by mutual consultation of the doctor in charge and the author. There were 18 cases of hypochondriacal neurosis, 16 of depressive neurosis, 15 of anxiety neurosis, 15 of hysterical neurosis, and so forth. For the inpatients we used diagnoses made through consultation of the entire staff at the time of discharge. Depressive neurosis was seen in 11 cases, hysterical neurosis in 19, obsessive-compulsive neurosis in 7, and so forth. All of them fall into the category of the conventional clinical diagnosis.

DIS Diagnosis

The DIS⁴¹ is a diagnostic interview schedule developed by NIMH to be used in the epidemiological survey of the general population. The interviewers do not necessarily have to be psychiatrists but require preliminary training of about two weeks. The DIS is a systematized interview program and the interviewee answers simply YES or NO to the questions on psychiatric symptoms they may have had by that time which the interviewer asks one by one in accordance with the schedule. An interview takes about one hour one hour and a half. The obtained data are analyzed by computer to get the DIS diagnosis.

Among various psychiatric problems the interviewee may have had in his life, on 20

disorders shown in Table 1, all of the diagnoses satisfying the diagnostic criteria in DSM-III are revealed for the DIS diagnostic group. In other words, they are lifetime diagnoses of the interviewee and also the preliminary diagnostic group to which the hierarchical exclusion criteria are applied to make definite diagnoses of DSM-III.

In our study at this time, the interviewers were trained beforehand using video tapes and confirmed to be nearly on an equal level. The outpatients were interviewed by doctors and psychotherapists and the inpatients solely by doctors.

Psychodynamic Personality Diagnosis

Different from the clinical diagnosis which attaches importance to the symptomatic level, the psychodynamic personality diagnosis was considered only on those patients whose personality factors would become important for the treatment in view of their clinical history and treatment process. As the criteria for the psychodynamic personality diagnosis, ability of reality testing, integration of identity, defense mechanism (operation) were comprehensively considered and those who fit the concept of borderline personality organization by Kernberg (1967, 1981)²³ ²⁴ were diagnosed as personality disorders. Patients with personality disorders were further categorized into two subtypes-borderline personality disorder and narcissistic personality disorder. The patients of the former subtype distinctly display identity diffusion and unstable interpersonal relationship and those of the latter have rather emphasized fantastic narcissistic aspects.

Main Defense Mechanism

The main defense mechanism was described by taking up the lower level mechanism among a variety of defense mechanisms that came to be shown during the treatment process and categorizing them into narcissistic defense, immature defense, neurotic defense, and mature defense, which were listed by Meissner (1975).³⁰

Personality Test of Fukuoka University Version

The Fukuoka University version of personality test³³ ⁴² is a modification of Cattel's personality test schedule. In the Fukuoka University version, personality is classified into the following;

Type A: cyclothymia, reality affirmative, and stable in interpersonal attitude and emotion,

Type B: similar to Type A but unstable either in interpersonal attitude or emotion,

Type C: temperate in every aspect but irresolute,

Type D: schizothymia and paranoid but stable either in interpersonal attitude or εm_{O^+} tion, and

Type E: similar to Type D but unstable in both interpersonal attitude and emotion and more shut-in than Type D.

RESULTS

The results of the examination are shown in Appendixes 1 and 2.

(Appendix 1)

Subject Number	Sex.	Age	Clinical Diagnosis (ICD-9)	DIS Diagnosis (DSM-III)	Type*	Subject Number	Sex	Age	Clinical Diagnosis (ICD-9)	DIS Diagnosis (DSM-III)	Type*
1	M	18	Anxiety neurosis	Simple pho.	II	17	М	26	Hysterical neurosis	Agora.	
2	M	25	Anxiety neurosis	Obs-comp. d., panic d., alco-hol, tobacco	II	18	M	32	Hysterical neurosis		IV
3	M	30	Anxiety neurosis	Tobacco	IV	19	M	42	Hysterical neurosis	Tobacco, pathological.	IV
4	M	31	Anxiety neurosis	Agora., tobacco	o II	20	F	18	Hysterical neurosis	No diagnosis	IV
5	M	33	Anxiety neurosis	Tobacco	IV	21	F	18	Hysterical neurosis	M. D. E., psychosexual.	III
6	M	35	Anxiety neurosis	No diagnosis	IV	22	F	30	Hysterical neurosis	M. D. E., simple pho., alcohol, tobacco	ĩ
7	M	39	Anxiety neurosis	No diagnosis	IV	23	F	31	Hysterical neurosis		III
8	M	41	Anxiety neurosis	Agora., simple pho.		24	F	32		No diagnosis	IV
9	M	58	Anxiety neurosis	Tobacco	IV	25	F	39	Hysterical neurosis	M. D. E.	111
10	F	22	Anxiety neurosis	M. D. E.	III	26	F	44		Agora., sim-	IJ
11	F	30	Anxiety neurosis	Agora., simple pho., psycho-	: II					ple pho., psy- chosexual.	11
12	F	31	Anxiety	sexual. M. D. E.,	I	27	F	47	Hysterical neurosis	Agora., psy- chosexual.	11
13	F	40	neurosis Anxiety	simple pho. No diagnosis	IV	28	F	57	Hysterical neurosis	No diagnosis	IV.
14	F	40	neurosis Anxiety	Agora., dys-	п	29	F	58	Hysterical neurosis	M. D. E.	111
	_		neurosis	thymic d.		30	F	62	Hysterical neurosis	No diagnosis	37.
15	F	35	Anxiety neurosis	No diagnosis	IV	31	M	20	Phobic neurosis	Agora., simple) ji
16	М	24	Hysterical neurosis	M. D. E., agora., panic d., somati.	I	32	M	22	Phobic neurosis	Obs-comp. d simple pho.	11

Subject Sex Age Diagn Clini (ICD Phobic neuros Phobic neuros Phobic neuros Obsess 36 M compu neuros M 38 Obsess compu neuros 38 M 20 Depre neuro M Depre 39 neuro M Depre neuro F Depre neuro Depre neuro 33 Depre neuro 35 Depre neuro F Depre neuro 46 F 37 Depre neuro Depr neuro 48 38 Depre neuro 49 Depr 38 neur 50 F 38 Depr neur 51 Depr neuro 52 Depr neur 53 Depr neur Depe aliza neur * Type: Classification of

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is)	DIS Diagnosis (DSM-III)	Туре*
1	Agora.	II ;
ıl	Tobacco	IV
ıl	Tobacco, pathological.	IV .
ıl	No diagnosis	IV _{, ii}
ıl	M. D. E., psychosexual.	III .
1	M. D. E., simple pho., alcohol, tobacco	I ·
ιİ	M. D. E., psychosexual.	Ш
ıl	No diagnosis	IV
ıl	M. D. E.	III
1	Agora., sim- ple pho., psy- chosexual.	II ::
1	Agora., psy- chosexual.	II
Į	No diagnosis	IV
1	M. D. E.	ш
İ	No diagnosis	IV
	Agora., simple pho.	II
	Obs-comp. d., simple pho.	II

Subject Number	Sex	Age	Clinical Diagnosis (ICD-9)	DIS Diagnosis (DSM-III)	Туре*	Subject Number	Sex	Age	Clinical Diagnosis (ICD-9)	DIS Diagnosis (DSM-III)	Type*
33	M	32	Phobic neurosis	Simple pho.	11	55	M	24	driacal	No diagnosis	IV
34	M	33	Phobic neurosis	Agora., Dys- thymic d., psychological.	II	56	M	29	neurosis Hypochon- driacal	M.D.E.	Ш
35	F	27	Phobic neurosis	Obs-comp. d., agora., simple pho., tobacco, psychosexual.	II	57	М		neurosis Hypochon- driacal neurosis	d., alcohol	II
j 6	M	27	Obsessive- compulsive neurosis	Obs-comp. d.	11	58	M	38	Hypochon- driacal neurosis	M.D.E., panic. d., tobacco.	I
37	M	38	Obsessive- compulsive neurosis	M.D.E., obs- comp. d., simple ph.	I	59	M	39	Hypochon- driacal neurosis	M.D.E.	III
38		20	Depressive neurosis	Tobacco	IV	60	M	43	Hypochon- driacal neurosis	Barbiturate	IV
39 40	M M	41 57	Depressive neurosis Depressive	No diagnosis	IV IV	61	M	67	Hypochon- driacal	Alcohol.	IV
41	F	21	neurosis Depressive neurosis	No diagnosis	IV	62	F	20	neurosis Hypochon- driacal	No diagnosis	IV
42	F	32	Depressive neurosis	No diagnosis	IV	63	F	37	neurosis Hypochon- driacal	Psychosexual	IV
43	F	33	Depressive neurosis	Schizophrenic obs-comp. d., psychosexual.	., II	64	F	38	neurosis	· No diagnosis	IV
74	F	35	neurosis	M.D.E. agora		65	F	43	driacal neurosis Hypochon-	MDF	Ш
45	F	35	Depressive neurosis	M.D.E., simple pho., psychosexual	1				driacal neurosis	tobacco	
46	F	37	Depressive neurosis	M.D.E., Alcohol, psychosexual	III	66	F	44	Hypochon- driacal neurosis	· Obs-comp. d.	II
47	F	37	Depressive neurosis		Ш	67	F	50	Hypochon- driacal neurosis	· No diagnosis	IV
48 49	F	38 38	Depressive neurosis	-	III	68	F	57	Hypochon- driacal	M.D.E.	III
50	F F	-	Depressive neurosis Depressive		III	69	F	63	neurosis Hypochon- driacal	- No diagnosis	IV
51	F	43	neurosis Depressive neurosis	tobacco No diagnosis	IV	70	F	65	neurosis Hydochon	- No diagnosis	IV
52	F	48	Depressive neurosis	M.D.E., somati.	1	71	F	67	driacal neurosis Hypochon	MDF	III
53	F	56		No diagnosis	IV	/1	Г	07	driacal neurosis	- 174,127,127,	***
54	F	26	Deperson- alization neurosis	M.D.E.	Ш	72	F	69	Hypochon driacal neurosis	- No diagnosis	IV

^{*} Type: Classification of types on the coexistence of DIS diagnoses.

(Appendix 2)

No.	Sex Age	Clinical Diag- nosis (ICD-9) (Personality Diagnosis)	Remarkable Symptoms	Main Defense Mechanism Developmental Level	Premorbid Character Personality Test	Family
1	M.M. M 29	Depersonalization neurosis (narcis- sistic personality disorder)	Depressive neuras., hypo- chon., Depersona- lization, anxious, asocial	Narcissistic Oral phase	Immodithymic, nervous Type E	Nuclear fam., single child, dominant M., powerless F., pseudomutuality
2	H.Y. M 20	Depersonalization neurosis (narcis- sistic personality disorder)	Depersonalization, hypochon, depress., neuras.	Narcissistic Oral phase	Nervous, immodithymic Type E	Nuclear fam., absent parents, let-alone policy
3	S.K. M 22	Obsessive-compul- sive neurosis (narcissistic per- sonality disorder)	Depressive anti- social obsessive, asocial, anxious	Narcissistic Anal phase	Nervous, viscous Type B	Nuclear fam., strong grandf., powerless F., pseudomutuality
4	T.S.	Phobic neurosis	Hypochon, ob-	Immature	Viscous	Large fam.,
7	F 26	Thore nearosis	sessive, asocial	Oedipal phase	Type A	separation from M.
5	Y.Y. F 25	Hysterical neurosis (border- line personality disorder)	Anxious, hypo- chon., depress., conversion, antisocial	Immature Oedipal phase	Hysterical Type D	Large fam., strong tie bet- ween hus. and his m., pseudo- mutuality
6	K.R. F 36	Hysterical neurosis	Anxious, hypo- chon., neuras., depress., conversion	Immature Oedipal phase	Hysterical Type B	Fam. with m. only, unmarried couple
7	N.K. M 37	Depressive neurosis	Depressive	Neurotic Post-oedipal phase	Cyclothymic (dependent)	Large family
	,				Type C	
8	T.M.	Depressive	Neuras., asocial,	Narcissistic	(Unstable)	Fam. with f.
	F 23	neurosis (border- line personality disorder	hypochon., depressive	Oral phase	Type E	(disorganized)
9	N.T. M 37	Depressive neurosis	Depressive, anxious	Neurotic Post-oedipal phase	Nervous, immodithymic (dependent)	Nuclear family
					Type C	
10	T.F.	Depressive	Anxious, depres-	Narcissistic	Schizothymic	Large family
10	F 19	neurosis (border- line personality disorder)		Oedipal phase	Type C	great grandps. powerless F., unstable M.,
11	N.M. M 37	Depressive neurosis	Depressive	Neurotic Oedipal phase	Immodithymic (dependent)	Large family
					Type B	_
12	T.K. F 24	Anxiety neurosis	Anxious, hypo- chon., neuras, depressive	Immature Oedipal phase	Immodithymic nervous	Nuclear family
			debressive		Type B	

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	pseudomutuality	1
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	Large family	
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	Fam. with f.	
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nic	Nuclear family	
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Nothing	Psychoanalytical	Brom. Lofe.	15 75	237	48	M.D.E., simple pho., social., alcohol	I
	Self-mutilation and pretence of suicide	Zote.	50	Slightly improved		social., alcohol	
Nothing	Psychoanalytical	Brom. Clom.	6 200	114	57	M.D.E., panic d., simple pho.	I
	Nothing			Fairly improved			
Nothing	Psychoanalytical Escape from ward	Diaz. Clom.	15 50	501	42	M.D.E., M.E., obs-comp. d.	I
	Ignorance of rules and activities	Levo.	150	Slightly improved			
Nothing	Psychoanalytical	Brom.	15	80	52	M.D.E., M.E. panic d., agora., simple	I
	Nothing			Fairly improved		pho., tobacco.	
Nothing (brought in fa-	Psychoanalytical	Brom. Sulp.	11 300	87	41	M.D.E., M.E., agora., simple pho.,	I
therless fam.)	Self-mutilation, love affair			Slightly improved		somati., antisocial., psychosexual.	
Nothing (parents and 3	Psychoanalytical	Mapr.	100	80	41	M.D.E., agora, simple pho., psy-	I
brothers divorced)	Nothing			Fairly improved		chosexual, alcohol, tobacco	
Nothing	Supportive	Brom. Mapr.	9 125	29	65	M.D.E., tobacco	III
	Nothing	•		Fairly improved			
F: psychosis, (inpatient)	Psychoanalytical	Brom. Amit.	12 100	160	44	M.D.E., panic d., agora., simple pho.,	I
S: neurosis (inpatient)	Self-mutilation	Chlo.	225	Fairly improved		somati., antisocial, psychosexual, alcohol, tobacco	
Nothing	Supportive	Brom. Amit.	20 160	54	55	M.D.E., panic d., social., psycho-	I
	Nothing	Chlo.	25	Fairly improved		sexual, tobacco	
Nothing	Psychoanalytical	Brom. Lofe.	15 100	368	38	M.D.E., schizo- phrenic d., agora,,	I
	Self-mutilation	Zote.	300	Slightly improved		obs-comp. d., somati.	
Nothing	Supportive	Sulp.	150	42	63	M.D.E., tobacco	Ш
	Nothing			Extremely improved			
F: alcoholism M: writing dis-	Psychoanalytical	Diaz. Clom.	15 55	387	41	Agora., simple pho., obs-comp. d.,	II
ability	Self-mutilation	Zote.	75	Fairly improved		dysthymic d.	

(Appendix 2, continued)

No.	Sex Age	Clinical Diag- nosis (ICD-9) (Personality Diagnosis)	Remarkable Symptoms	Main Defense Mechanism Developmental Level	Character	Family
13	H.F. M 19	Hysterical neurosis	Hypochon., depressive, conversion	Neurotic Post-oedipal phase	Cyclothymic (immature)	Living alone
1.	- ·			•	Type A	
		Hysterical neurosis	Anxious, depressive, conversion, antisocial	Immature Oedipal phase	Nervous Type C	Nuclear family, f. at home a few weeks in
15	M.K. F 25	Hysterical neurosis	Anxious, hypo- chon, conversion, neuras.	Immature Oedipal phase	Cyclothymic (immature)	a year Nuclear family, mostly absent
			nouras.		Type E	hus., mostly living with her p. because of hus. absence
6	Y.H. M 19	Obsessive- compulsive	Obs-comp,	Neurotic	Nervous	Large family
		neurosis		Anal phase	Type B	overcaring m. & grandm., inter- fering f. pseudomutuality
7	H.K. F 26	Depressive neurosis (border- line personality	Depressive, neuras., anxious, hypochon.	Narcissistic Oral phase	Nervous, hysterical	Living alone (disorganized),
		disorder)			Type C	divorced
8	U.Y. M 19	sive neurosis (borderline per-	Anxious, asocial, antisocial nervous, depres-	Narcissistic Oral phase	Immodithymic, nervous	Nuclear family, strong m., powerless f.,
		sonality disorder)	sive, ob-comp.	•	Type C	pseudomutuality
9	I.K. F 40	Hysterical neurosis	Hypochon., anxious, depres-	Immature Oedipal phase	Hysterical	Nuclear family
			sive, asocial, neuras.		Type C	
0	G.Y. F 17	Depersonalization neurosis (border- line personality	Depersonalization, depressive,	Narcissistic Oral phase	Schizothymia	Nuclear family, strong tie with
		disorder)	asocial, neuras.		Type E	mother
1	Y.A. F 38	Hysterical neurosis	Anxious, depressive, hypochon.,	Immature Oedipal phase	Hysterical	Large family, discord with
,		**	conversion, asocial		Type B	hus., pseudo- mutuality
2	J.M. F 17	Hysterical neurosis	Anxious, hypo- chon., conversion, neuras., asocial	Oedipal phase	Hysterical	Nuclear family
			noutas., asociai		Туре А	
3	I.C. F 33	Obsessive-compulsive neurosis	Anxious, hypo- chon., neuras., depressive, obs-	Oral phase	Immodithymic (dependent)	Nuclear family
1	H.M.	Obsessive-com-	Obsessmen		Type D	
	M 27	pulsive neurosis	Obs-comp., anxious, asocial	Anal phase	Viscous Type C	Nuclear family

Psychiatric
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2nd Degree
Kinship Psyc Sup S: obs.-comp., neurosis (inpatient) Grandf: psychosis Sup Nothing Sup Sup Nothing Nothing Sup Self esca love Psy Nothing Vio drin froi Sup F: alcoholism Ign acti Nothing Psy Suic Nothing (parents divorced) Psy Self refu Nothing Psy Selí esca Nothing Sup Not Nothing

Psy Esc

orbid acter nality st	Family	•
/mic ire)	Living alone	
}	Nuclear family, f. at home a few weeks in a year	
ymic ire)	Nuclear family, mostly absent hus., mostly living with her p. because of hus. absence	
	Large family, overcaring m. & grandm., inter- fering f. pseudomutuality	
, al	Living alone (disorganized), divorced	
hymic,	Nuclear family, strong m., powerless f., pseudomutuality	
al	Nuclear family	ł
ymia	Nuclear family, strong tie with mother	
al	Large family, discord with hus., pseudo-	17、 然后是第三届
al	mutuality Nuclear family	三十八年 日本
hymic ent)	Nuclear family	The second second
	Nuclear family	

Psychiatric Priblem in the 2nd Degree Kinship	Psychotherapeutic Approach Acting-Out	Media (mg/c		Days Improve- ment	GAS Poin at Admission	DIS Diagnosis	Туре*
S: obscomp., neurosis	Supportive	Diaz.	10	36	52	Panic d., somati., tobacco	II
(inpatient)	Nothing			Extremely improved			
Grandf: psychosis	Supportive	Halo.	30	46	8	Simple pho.	II
	Nothing			Fairly improved			
Nothing	Supportive	Diaz.	5	19	41	Somati.	II
•	Nothing			Fairly improved			
Nothing	Supportive	Brom.		205	58	Obs-comp. d.	II
	Nothing	Zote.	200	Fairly improved			
Nothing	Supportive	Brom.		141	31	M.D.E., panic d., somati., psycho-	I
	Self-mutilation, escape from ward, love affair	Zote.	75	Slightly improved		sexual, tobacco	
Nothing	Psychoanalytical	Brom.		165	41	Obs-comp. d., psychosexual,	II
	Violence, stealing, drinking, escape from ward	Zote.	50	Slightly improved		alcohol	
F: alcoholism	Supportive	Alpr.	1.2	116	25	Agora., panic d.,	п
	Ignorance of activities			Slightly improved		psychosexual	
Nothing	Psychoanalytical	Brom. Halo.	9 1.5	234	50	M.D.E., panic d.	I
	Suicidal attempt	114101	1,0	Slightly improved			
Nothing (purents divorced)	Psychoanalytical	Clom.	75	84		Panic d., psychosexual	II
,	Self-mutilation, refusal of food			Fairly improved		P -0,0-1-0-1-0-1	
Nothing	Psychoanalytical	Amit.	30	166		M.D.E., agora.,	I
	Self-mutilation, escape from ward			Fairly improved		social., somati.	
Nothing	Supportive	Brom. Clom.	15 75	97		Obs-comp. d., psychosexual	П
	Nothing		. •	Fairly improved		Lal arrangurant	
Nothing	Psychoanalytical	Levo,	200	734	41	Obs-comp. d.	11
	Escape from ward			Slightly improved			

(Appendix 2, continued)

No.	Sex Age	Clinical Diag- nosis (ICD-9) (Personality) Diagnosis	Remarkable Symptoms	Main Defense Mechanism Developmental Level	Premorbid Character Personality Test	Family
25	T.S. M 27	Phoblic neurosis (narcissistic per- sonality disorder)	Asocial, anxious, depressive	Narcissistic Oral phase	Schizothymic Type E	Nuclear family strong tie with mother,
26	O.R. M 16	Depressive neurosis (narcis- sistic personality disorder)	Asocial, hypochon., depressive, anxious	Narcissistic Oral phase	Nervous, immodithymic Type C.	pseudomutuality Nuclear family
27	K.J. F 16	Hysterical neurosis (border- line personality disorder)	Anxious, depressive, hypochon.	Narcissistic Oral phase	Hysterical Type C	Nuclear family, strict f., unstable m.
28	S.R. F 17	Depressive neurosis (border- line personality disorder)	Depressive, asocial, neuras, anxious, hypochon.	Immature Oedipal phase	Immodithymic Type B	Nuclear family, discording, parent unstable m.
29	N.M. F 25	Depressive neurosis (border- line personality disorder)	Depressive, anxious, neuras,	Immature Oral phase	Nervous Type E	Separated parents, fam. with unstable m. only
30	N.Y, M 23	Depressive neurosis (border- line personality disorder)	Neuras., depressive	Immature Oedipal phase	(Immature) Type B	Nuclear family
31	S.Y. M 27	Obsessive- compulsive neurosis	Obs-comp., depressive anxious, neuras.	Neurotic Anal phase	Immodithymic Type B	Living alone
32	I.S. M 26	Depressive neurosis (border- line personality disorder)	Depressive, anxious	Narcissistic Oral phase	Nervous Type E	strong grandps., unstable and weak ps.
33	M.T. M 24	Obsessive-com- pulsive neurosis (borderline per- sonality disorder)	Obs-comp., neuras., depres- sive, asocial, depersonalization	Narcissistic Oral phase	Nervous Type E	Living alone, binding with m.
34	M.S. F 23	Hysterical neurosis (border- line personality disorder)	Depressive, conversion, asocial, anxious, hypochon.	Immature Oral phase	Nervous (dependent)	Nuclear family, unstable hus.

Abbreviations of DIS Diagnosis

M.D.E.: major depressive episode, M.E.: manic episode, panic d.: panic disorder, agora.: agoraphobia, simple pho.: simple phobia, social: social phobia, obs-comp. d.: obsessive-compulsive disorder, dysthymic d.: dysthymic disorder, somati.: somatization disorder, antisocial: antisocial personality disorder, tobacco: tobacco dependence, psychosexual: psychosexual dysfunction, alcohol: alcohol abuse and dependence, barbiturate: barbiturate abuse and dependence, pathological: pathological gambling, schizophrenic: schizophrenic disorder.

ad:	
Psychiatric Problem in the 2nd Degree	Psychot Apj
2nd Degree Kinship	Acti
Nothing	Psycho
6	Escape
•	ignorar
	activitie
Nothing	Psycho
o:	Self-mı
lir:	violenc
	ignorai
	activiti
Grandf: suicide	Psycho
M: hysterical	a 10
neurosis,	Self-mu
self-multilation	
Nothing	Suppor
Alexander and the second	Refusa
¥	escape
5 6.	love at
F: alcoholism M: neurosis	Psycho
	Self-m
V ita	love at
Nothing	Suppor
	Love a
Grandf: alcohol-	Psycho
	Escape
Nothing	Psycho
	Self-m
	suicide
Nothing	Psych
3	Self-m
Y.	ignora
U	activit
S: obsessive	Suppo
compulsive	
neurosis	Ignora
<u> 197</u>	activit

Abbreviations of Medi-Brom.: bromazepam, I pramine, Amit.: amitrip Zote.: zotepine, Halo.:

bid ter lity	Family
mic	Nuclear family strong tie with mother, pseudomutuality
mic	Nuclear family
	Nuclear family, strict f., unstable m.
/mic	Nuclear family, discording, parent unstable m.
	Separated pa- rents, fam. with unstable m. only
)	Nuclear family
mic	Living alone
	strong grandps., unstable and weak ps.
	Living alone, binding with m.
)	Nuclear family, unstable hus.

: agoraphobia, simple order, dysthymic d.: rder, tobacco: tobacco endence, barbiturate: chizophrenic disorder.

Psychiatric Problem in the 2nd Degree Kinship	Psychotherapeutic Approach Acting-Out	Medici (mg/da		Days Improve- ment	GAS Point at Admission	DIS Diagnosis	Type*
Nothing	Psychoanalytical	Brom.	20	349	59	M.D.E., panic d.,	I
	Escape from ward, ignorance of activities			Slightly improved		sociai	
Nothing	Psychoanalytical	Clom. Zote.	20 100	645	51	M.D.E., obs-comp. d., social	I
•	Self-mutilation, violence, escape, ignorance of activities	Levo.	100	Slightly improved			
Grandf: suicide M: hysterical neurosis, self-multilation	Psychoanalytical Self-mutilation, lescape from ward	Clox. Sulp. Levo.	6 150 75	89 Slightly improved	50	Panic d.	II
Nothing	Supportive	Brom.	12	75	61	M.D.E. obs-comp.	I
_	Refusal of food, escape from ward, love affair	Clom. Zote.	55 30	Fairly improved		d., simple pho., panic d.	
F: alcoholism M: neurosis	Psychoanalytical	Brom. Mapr.	15 75	378		M.D.E., social., psychosexual	I
	Self-mutilation, love affair	Zote.	150	Slightly improved			
Nothing	Supportive	Brom. Clom.	20 100	82	40	M.D.E.,	III
	Love affair	Levo.	50	Extremely improved			
Grandf: alcohol- ism	Psychoanalytical	Diaz. Clom.	15 150	98		M.D.E., obs-comp. d., panic d.,	I
	Escape from ward	Zote.	100	Unchanged		tobacco	
Nothing	Psychoanalytical	Levo. 1,	050	928		M.D.E., obs-comp. d., ogora., social	Ι
	Self-mutilation, suicide			Died			
Nothing	Psychoanalytical	Brom. Zote.	12 75	1,069		M.D.E., obs-comp. d., agora., social,	I
	Self-mutilation, ignorance of activities			Fairly improved		simple pho., somati., barbiturate, tobacco	
S: obsessive compulsive	Supportive	Etiz. Clom.	3 30	40		M.D.E., somati., panic d., tobacco	I
neurosis	Ignorance of activities			Slightly improved			

Abbreviations of Medicine

Brom.: bromazepam, Diaze.: diazepam, Alpr.: alprazolam, Clox.: cloxazolam, Etiz.: etizolam, Clom.: clomipramine, Amit.: amitriptyline, Mapr.: maprotiline, Lofe.: lofepramine, Sulp.: sulpiride, Ch'or.: chlorpromazine, Zote.: zotepine, Halo.: haloperidol, Levo.: levomepromazine.

Clinical Diagnosis and DIS Diagnosis (Tables 1 and 2)

The relationship between the clinical diagnosis and DIS diagnosis of the subjects is shown in Table 1. The major relations are as described below. (Hereunder ordinary letters are used in this report to represent the clinical diagnosis: for example, anxiety neurosis, depressive neurosis; and italics are for DIS diagnosis, such as the major depressive episode, panic disorder).

First, the concordance rate between the clinical diagnosis and its corresponding DIS diagnosis was checked. In all 9 obsessive-compulsive neurosis cases obsessive-compul-

sive disorder was noted. In all 7 cases of phobic neurosis at least one of those phobic disorders, such as agoraphobia, simple phobia, or social phobia, was noted. Been of those clinical diagnoses showed a concordance rate of 100% with DIS diagnoses. The major depressive episode was noted in 66.7% of depressive neurosis cases and 100% of depersonalization neurosis cases, both of which marked a high concordance rate.

On the other hand, hypochondriaca! neurosis had no concordance with somatization disorder and panic disorder made up only 6.3% of anxiety neurosis, making a low concordance rate. Hysterical neurosis showed a mid-level of the concordance having so-

Table 1: Clinical Diagnosis and DIS Diagnosis

Clinical Diagnosis DIS Diagnosis	Anxid neuro		uent	erical osis 25(%)	Phobic neurosis N: 7(%)		Obsessive- compulsive neurosis N: 9(%)		Depressive neurosis N:27(%)		erson- zation rosis 4(%)	Hypochon- driacai neurosis N:18(%)		06(%)
Organic brain syndrome	-				(707	ť	. 5(707	 "		 "	4(707	11.10(707	".,	.00(70)
Schizophrenic disorder						t		2	(7.4)	_			2	(1.9)
Major depressive episode	2 (12.5)	10 ((40.0)	2 (28.6)	1	(44.4)	18	(66.7)	4((100.0)	6 (33.3)	46	(43.4)
Manic episode			1 ((4.0)	1 (14.3)	1	(11.1)	_		-			3	(2.8)
Panic episode	1 (6.3)	6 ((24.0)	2 (28.6)	 	(11.1)	4	(14.8)	2	(50.0)	1 (5.6)	17	(16.0)
Agoraphobia	5		8		4	1		5					23	6.0
Simple phobia	5	(43.8)	5	10 (40.0)	5 (100.0		(22.2)	3	10 (37.0)	2	(50.0)		22	30 (35.8)
Social phobia	П		1		i			4		1			8	1
Obsessive-compulsive disorder	2 (12.5)			2 (28.6)	1	(100.0)	5	(18.5)		·	2 (11.1)	20	(18.9)
Dysthymic disorder	2 (12.5)			1 (14.3)	Τ		Г					-3	(2.8)
Somatization disorder			6	(24.0)		1	(11.1)	4	(14.8)				11	(10.4)
Antisocial personality disorder			1	(4.0)		T		1	(3.7)				2	(1.9)
Psychosexual dysfunction	1 (6.3)	8	(32.0)	1 (14.3)	2	(22.2)	7	(25.9)			1 (5.6)	20	C(5)
Ego-dystonic homosexuality														
Transsexualism														
Alcohol abuse and dependence	1 (6.3)	2	(8.0)]	(11.1)	3	(11.1)	1	(25.0)	2 (11.1)	10	(9.4)
Tobacco dependence	5 (31.3)	6	(24.0)	2 (28.6)	1	(22.2)	7	(25.9)			2 (11.1)	24	(22.6)
Drug abuse and dependence							(11.1)					1 (5.6)	2	(1.9)
Anorexia nervosa														
Pathological gambling			1	(4.0)									1	(0.9)
No diagnosis	4 (25.0)	4	(16.0)	0	1)	5	(18.5)	0		7 (38.9)	20	(18.9)
Total(without No diagnosis)	2	4	5	5	2 1		2 4		6 3		1 0	1 5		214

Table

<u> </u>		
		Anx
ž.	Number of Subjects	
Inpatient	Number of DIS Diagnoses	
	Number of Subjects	
Outpatient	Number of DIS Diagnoses	1.
	Number of Subjects	
Total	Number of DIS Diagnoses	1

matization disorder of sexual dysfunction of 3 in the middle between high and low concorda. There were 20 cases nosis in which no diag DIS and all of them were noted in 38.9% of rosis (7 out of 17 case neurosis, 18.5% of dep 16.0% of hysterical neurosis in phobic neurosis in pho

Next, the mean num diagnosis per patient shown in Table 2. It the inpatients which bered the outpatients 1

Coexistence of DIS Did Classification of Types Coexistence (Tables 3

In considering the importance was attache acteristics of the mutual ships between the type the conventional neurol noses were classified in groups of the major

ted. In all 7 cases of ist one of those phobic oraphobia, simple pho , was noted. Both of ses showed a concord. ith DIS diagnoses. The de was noted in 66.7% s cases and 100% of irosis cases, both of concordance rate. hypochondriacal neuince with somatization isorder made up only sis, making a low concal neurosis showed a cordance having so-

son tio	- N	dria				Total	
(%)	neur N:1	8(%		N:	106(%)
	_						À,
	┙				2	(1.9)
0.0)		6 (33.3)	46	(43.4	,
					3	(2.8	,
). ()	1	1 (5.6)	Ţ	17	(16.0)	,
,	1				23	<u> </u>	-
0.0)				22	38 (35.8	()
	ſ		**	7	8		j
	T	2 (1	1.1)	7	20	(18.9)	٦
	T			1	3	(2.8)	
	T		_	1	11	(10.4)	7
	T			1	2	(1.9)	7
		1 (5	.6)	T	20 ((18.9)	7
	Γ			1			7
	Τ			T			1
0)		2 (11	.1)	ŀ	0 (9.4)	1
		2 (11	.1)	١,	4 (22.6)	1
		1 (5	6)	T	2 (1.9)	1
				T			1
				l	1 (0.9)	
	7	(38.	9)	2	0 (1	8.9)	
		1 5			2 1	l 4	

(C)

46.

1

20

100

Ž.

1

Table 2: Average Number of DIS Diagnosis Per Patient

		Anxiety neurosis	Hysterical neurosis	Phobic neurosis	Obsessive- compulsive neurosis	Depressive neurosis	Deperson- alization neurosis	Hypochon- driacal neurosis	Total
	Number of Subjects	1	10	2	7	11	3		34
(npatient	Number of DIS Diagnoses	1.0	3.2±2.1 ₁	4.5±2.1	3.1±2.4	3.9±2.2 ₇	3.0±1.0		3.5 ±2.0
	Number of Subjects	15	15 *	5	2	16 **	1	18	72
lutpatient	Number of DIS Diagnoses	1.3±1.2	1.5±1.4	2.6±1.5	2.0±1.4	1.3±1.1	1.0	0.8±0.9	1.3±1.2
	Number of Subjects	16	25	7	9	27	4	18	106
Total	Number of DIS Diagnoses	1.5±1.3	2.2±1.8	3.1±1.8	2.9±2.2	2.3±2.1	2.5±1.3	0,8±0.9	2.0±1.8

(mean \pm S.D.; t test * p < 0.05, ** p < 0.01)

matization disorder of 24.0% and psychosexual dysfunction of 32.0%, positioned just in the middle between the above-mentioned high and low concordance levels.

There were 20 cases (18.9%) of no diagnosis in which no diagnosis was made with DIS and all of them were outpatients. They were noted in 38.9% of hypochondriacal neurosic (7 out of 17 cases), 25.0% of anxiety neurosis, 18.5% of depressive neurosis, and 16.0% of hysterical neurosis with the clinical diagnosis. There were no cases with no diagnosis in phobic neurosis, obsessive-compulsive neurosis, and depersonalization neurosis.

Next, the mean number (\pm S.D.) of DIS diagnosis per patient was 2.0 (\pm 1.8), as shown in Table 2. It was 3.5 (\pm 2.0) for the inpatients which significantly outnumbered the outpatients 1.3 (\pm 1.2).

Coexistence of DIS Diagnoses and Classification of Types Based on the Coexistence (Tables 3 and 4)

In considering the coexisting diagnoses, importance was attached to finding the characteristics of the mutual coexistence relationships between the typological diagnoses of the conventional neurosis. Twenty DIS diagnoses were classified into 8 DIS diagnostic groups of the major depressive episode,

panic disorder, phobic disorder, obsessivecompulsive disorder, somatization disorder, psychosexual dysfunction, tobacco dependence, and other and were checked as to whether there was a coexistence relationship between them.

At first when coexistence was considered based on the above 8 categories, there were 33 (31.1%) cases without coexisting diagnoses.

Secondly, 53 cases (50.0%) that had coexisting diagnoses were examined.

As shown in Table 3, for example, the coexistence relationship between panic disorder and phobic disorder was noted in 8 out of 53 cases, but when cases with the major depressive episode were excluded, only one case of coexisting diagnoses of panic disorder and phobic disorder remained. There were 6 cases in total that had a coexistence relationship of phobic disorder and somatization disorder, all of which, however, included a major depressive episode and there was no case with coexistence of phobic disorder and somatization disorder unaccompanied by a coexisting major depressive episode.

As indicated in the examples above, the major depressive episode was the key to the coexistence relationships based on DIS diagnoses, and the coexistence relationships dis-

Table 3: Coexistence Relationships of DIS Diagnoses (without no diagnosis)

	no coexistence		with	coexistin	g diagno	ses 1	N:53]
	N:33	2	(3)	((5)	(6)	Ø	(B)	
O 46	1 1	1 2	2 1	8	9	10	14	1 0	
② 17	1		8	3	5	5	9	3	53)
③ 38	7	I		9	6	11	8	11	ce N:5
	4	1	3		2	4	4	8	(without No diagnosis and No coexistence
\$ 11	1	1	0	0		1	4	3	s and No
© 20	1	2	4	4	0		5	6	diagnosi
7 24	5	2	2	2	1	1		6	ithout No
8 11	3	1	3	5	0	2	2		.
				diagnosi: ssive epi		existenc N:18			

1: Major depressive episode

2: Panic disorder

3: Phobic disorder

4: Obsessive-compulsive disorder

(5): Somatization disorder

6: Psychosexual dysfunction

①: Tobacco dependence

Table 4: Classification of Types Based on Coexisting DIS Diagnoses (N: 106)

Major Depressive Episode	With More Neurotic Diagnoses than One	With More Diagnoses than One, Except Ones Mentioned Left	Number (%)	Type Number (%)
+	+		28 (26.4)	I
+	_	+	7 (6.6)	Ш
+			11 (10.4)	18 (17.0)
	+*		30 (28.3)	II
-		+	10 (10.6)	IV
-	_	-	20 (18.9)	30 (28.3)

With more neurotic diagnoses than one: With more diagnoses than one among panic disorder, phobic desorder, obsessive-compulsive disorder and somatization disorder.

With more diagnoses than one, except ones mentioned left: With more diagnoses than one among psychosexual dysfunction, tobacco dependence and other.

+: exist, -: not exist, blank: not matter whether exist or not, * Six cases have coexisting DIS diagnoses here.

finctly decreased when major depressive epi Therefore, the major d focused on in further

The result is as sho cases in which the ma had a coexistence rela disorders and/or soma panic disorder, phobic **Compulsive** disorder, s totaled 28 (26.4%). major depressive episo relationship with psych **tobacco** dependence an (6.6%).

Next, excluding the depressive episode, the one or more diagnose phobic disorder, obse order, or somatization ((28.3%), out of which had a mutual coexiste tween the diagnoses.

Therefore, according alationship with the maje as the axis, all the 106 classified into four types

Type I: cases that ha **major depressive episod** noses of phobic disorde **matization disorder** an Pulsive disorder.

Type II: cases that di depressive episode but h

Table 5:

Type

Anxiety neurosis Hysterical neurosis Phobic neurosis Obsessive-compulsive ne Depressive neurosis Depersonalization neuros Hypochondriacal neuros

Total

out no diagnosis)

3 0	
10	
3	5 3)
11	nce N:
8	(without No diagnosis and No coexistence N:53)
3	agnosis and No coe
6	o diagnos
6	(without No di
er	1

agnoses (N: 106)

(%)	Type Number (%)	; ; ;
.4)	I	_
.6)	III	4
.4)	18 (17.0))
.3)	II	ii O
6)	IV	
.9)	30 (28.3)	
anic	disorder, phobic dis-	ر از:

s than one among psycho-

e coexisting DIS diagnoses

finctly decreased when cases including the major depressive episode were excluded. Therefore, the major depressive episode was focused on in further studies.

The result is as shown in Table 4. The cases in which the major depressive episode had a coexistence relationship with anxiety disorders and/or somatoform disorders (i.e. panic disorder, phobic disorder, obsessivecompulsive disorder, somatization disorder) totaled 28 (26.4%). Cases in which the major depressive episode had a coexistence relationship with psychosexual dysfunction, tobacco dependence and/or other totaled 7 (6.6%).

Next, excluding the cases with the major depressive episode, the cases that had at least one or more diagnoses of panic disorder, phoèic disorder, obsessive-compulsive disorder, or somatization disorder totaled 30 (28.3%), out of which only 6 cases (5.6%)had a mutual coexistence relationship between the diagnoses.

Therefore, according to the coexistence relationship with the major depressive episode as the axis, all the 106 cases examined were class fied into four types as shown in Table 4.

Type I: cases that had, in addition to the major depressive episode, one or more diagnoses of phobic disorder, panic disorder, somatization disorder and/or obsessive-compulsive disorder.

Type II: cases that did not have the major depressive episode but had one or more phobic disorder, panic disorder, somatization disorder and/or obsessive-compulsive disorder.

Type III: cases that had only the major depressive episode or cases that had psychosexual dysfunction, tobacco dependence and/ or other, coexistent with the major depressive episode.

Type IV: cases other than Types I-III. Of all the 106 cases, 28 cases (26.4%) were classified as Type I, 30 cases (28.3%) as Type II, 18 cases (17.0%) as Type III, and 30 cases (28.3%) as Type IV.

Clinical Diagnoses and Classification of Types Based on DIS Coexisting Diagnoses (Tables 5 and 6)

Table 5 indicates the relationship between clinical diagnoses and the classification based on DIS coexisting diagnoses.

What was conspicuous and noted in the classification was that 75.0% of depersonalization neurosis was Type I, 71.4% of phobic neurosis was Type II and 55.6% of hypochondriacal neurosis was Type IV.

When the inpatients and outpatients were compared, they displayed quite a contrast as shown in Table 6. Thirty-four inpatients who were generally regarded as serious were classified in order of majority as; 20 cases (58.8%) of Type I, 11 (32.4%) of Type II, 3 (8.8%) of Type III, and no cases of Type IV. On the other hand, 72 outpatients were in order of majority classified as; 30 cases (41.7%) of Type IV, 19 (26.4%) of Type

Table 5: Clinical Diagnoses and Classification of Types Based on DIS Coexisting Diagnoses

Туре		I		II		Ш		IV		Total
Anxiety neurosis	1 (6.3%)	7	(43.8)	1	(6.3)	7	(43.8)	16	(100.0)
Hysterical neurosis		24.0)		(36.0)		(16.0)		(16.0)		(100.0)
Public neurosis	2 (28.6)	5	(71.4)		,		(/		(100.0)
Obsessive-compulsive neurosis	4 (44.4)	5	(55.6)						(100.0)
Depressive neurosis	11 (40.7)	2	(7.4)	7	(25.9)	7	(25.9)	27	(100.0)
Depersonalization neurosis	3 (75.0)			1	(25.0)			4	(100.0)
Hypochondriacal neurosis	1 (5.6)	2	(11.1)	5	(27.8)	10	(55.6)	18	(100.0)
Total	28 (26.4)	30	(28.3)	18	(17.0)	30	(28.3)	106	(100.0)

Table 6: Classification of Types Based on DIS Coexisting Diagnoses with Distinction of Inpatient and Outpatient

Type	I	II	III	IV	Total
Inpatient Outpatient	20 (58.8%) 8 (11.1)	11 (32.4) 19 (26.4)	3 (8.8) 15 (20.8)	30 (41.7)	34 (100.0) 72 (100.0)
Total	28 (26.4)	30 (28.3)	18 (17.0)	30 (28.3)	106 (100.0)

Table 7: Presence of Psychodynamic Personality Diagnoses and Classification of Types Based on DIS Coexisting Diagnoses (Inpatient)

Туре	I N:20 (%)	II N : 11 (%)	III N : 3 (%)	Total N : 34 (%)
Exist	15 (75.0)	2 (18.2)	1 (33.3)	18 (52.9)
Not exist	5 (25.0)	9 (81.8)	2 (66.7)	16 (47.1)

Table 8: Personality Test of Fukuoka University Version and Classification of Types Based on DIS Coexisting Diagnoses (Inpatient)

Туре	N:20 (%)	II N:11 (%)	N:3 (%)	Total N 34 (%)
A	2 (10.0)	1 (9.1)		3 (8.8)
В	4 (20.0)	3 (27.3)	2 (66.7)	9 (26.5)
C	4 (20.0)	5 (45.5)	1 (33.3)	10 (29.4)
D	2 (10.0)	1 (9.1)	, ,	3 (8.8)
E	8 (40.0)	1 (9.1)		9 (26.5)

II, 15 (20.8%) of Type III and the least was Type I which had 8 cases (11.1%).

Presence of Psychodynamic Personality Diagnoses and Classification of Types Based on DIS Coexisting Diagnoses (Inpatients) (Table 7)

Personality diagnoses of 34 inpatients are shown in Table 7.

In 20 cases of Type I, cases with personality disorder totaled 15 (75.0%), which was significantly higher in number when compared with the other types. Ten cases (50.0%) were diagnosed as borderline personality disorder and 5 (25.0%) were diagnosed as narcissistic personality disorder. In Type II, contrary to Type I, the number of

cases with no personality disorder was extremely large, 81.1%. Type III displayed characteristics intermediated between Type I and Type II.

Fukuoka University Version of Personality Test and Classification of Types Based on DIS Coexisting Diagnoses (Inpatients) (Table 8)

The results of the personality test, the Fukuoka University version, are shown in Table 8.

In Type I many were Type E, very unstable in interpersonal attitude and emotion in Type II many were Type C, temperate but irresolute, and many of Type III were Type B, more reality-affirmative and con-

Туре	-
GAS average	

	Тур
Туре	
Supporti Psychoa	

Table

_	Туре
	Antianxiety Antidepressant Antipsychotic

Su'piride is regarded

siderably stable in emo

General Assessment Sco Classification of Types Coexisting Diagnoses (1 (Table 9)

Table 9 shows the
adaptability or mental h
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the General Assessmen
Type III marked the
ability of just prior to he
and Type II was the love

Rsychotherapeutic Appl Classification of Types Coexisting Diagnoses (I (Table 10)

Psychotherapeutic ap

Diagnoses

	Total		
	34 (100.0)		
7)	72 (100.0)		
3)	106 (100.0)		

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Γotal 34 (%)
(52.9) (47.1)

on and noses

Total N 34 (%)	W.
3 (8·8) 9 (26.5)	រង់ រប្រ
10 (29.4)	ئىلىدۇ. ئارىخ
3 (8.8)	-18
9 (26.5)	(11)

nality disorder was ex-6. Type III displayed ediated between Type I

Version of Personality
n of Types Based on
noses (Inpatients)

e personality test, the version, are shown in

were Type E, very unal attitude and emotion ere Type C, temperate many of Type III were cy-affirmative and con-

Table 9: Average Point of GAS and Classification of Types Based on DIS Coexisting Diagnoses (Inpatient)

Туре	I N : 20	II N : 11	III N : 3	IV N : 34
GAS average	46.6±8.4	39.7±15.3	56.0±13.9	45.2±12.0
				(mean ± S.D.

Table 10: Psychotherapeutic Approach and Classification of Types Based on DIS Coexisting Diagnoses (Inpatient)

- Type	N:20 (%)	II N:11 (%)	III N:3 (%)	Total N : 34 (%)
Supportive	4 (20.0)	6 (54.5)	3 (100.0)	13 (38.2)
Psychoanalytical	16 (80.0)	5 (45.5)		21 (61.8)

Table 11: Medicine and Classification of Types Based on DIS Coexisting Diagnoses (Inpatient)

Туре	I N:20 (%)	II N:11 (%)	III N:3 (%)	Total N : 34 (%)
Antianxiety	16 (80.0)	8 (72.7)	2 (66.7)	26 (76.5)
Antidepressant	15 (75.0)	6 (54.5)	3 (100.0)	24 (70.6)
Antipsychotic	11 (55.0)	6 (54.5)	1 (33.3)	18 (52.9)

Su'piride is regarded as antidepressant. There are some overlaps.

siderably stable in emotion.

General Assessment Scale (GAS) and Classification of Types Based on DIS Coexisting Diagnoses (Inpatients) (Table 9)

Table 9 shows the assessment of social adaptability or mental health of inpatients at the time of hospitalization measured with the General Assessment Scale (GAS).

Type III marked the highest social adaptability of just prior to hospitalization at 56.0, and Type II was the lowest at 39.7.

Psychotherapeutic Approach and Classification of Types Based on DIS Coexisting Diagnoses (Inpatients) (Table 10)

Psychotherapeutic approaches are shown

in Table 10. The fact that a psychoanalytic approach was taken so much in Type I suggests that a supportive approach simply focusing on symptoms and/or adaptability is insufficient for treatment of Type I and requires intensive psychotherapy with a psychodynamic address.

Medicine and Classification of Types Based on DIS Coexisting Diagnoses (Inpatients) (Table 11)

Medicines that were used are listed in Table 11.

For neurosis so severe or so advanced as to require hospitalization, a wide range of medicine was used no matter what the type, whether Type I, II, III or IV.

Table 12: Number of Days under Hospitalization and Classification of Types Based on DIS Coexisting Diagnoses (Inpatient)

Туре	N : 20	II N : 11	III N:3	Total N : 34
Number of days	290 ± 292	180±211	51 ± 28	233 ± 262

Table 13: Number of Days under Hospitalization with Distinction of Psychotherapeutic Approach (Inpatient)

	Total
analytical N:21	N:34
382±292	233 ± 262
	N: 2 1 382±292

 $(mean \pm S.D.; t test * p < 0.05, ** p < 0.01)$

Number of Days under Hospitalization and Classification of Types Based on DIS Diagnoses (Inpatients) (Tables 12 and 13)

The number of days under hospitalization is listed in Tables 12 and 13. The mean number of days under hospitalization was 290 days in Type I, 180 days in Type II and 51 days in Type III. When it was checked in accordance with the difference in psychotherapeutic approaches taken, the cases with the psychoanalytic approach had 382 days which was significantly longer (p < 0.01) than 75 days for the cases with the supportive approaches. It signifies that cases of Type I, having personality problems, need treatment with the psychoanalytic approach and their hospitalization period tends to be longer.

Acting-Out and Classification of Types Based on DIS Coexisting Diagnoses (Inpatients) (Table 14)

Acting-out during the hospitalized treat-

ment period is shown in Table 14.

Out of the total of 34 cases, cases with no acting-out during hospitalized period totaled 11 (32.4%).

Out of 20 Type I patients, 16 (80.0%) had some acting-out. Most notably 10 cases (50.0%) with self-mutilation and 7 cases (35.0%) of running away from the hospital arrested our attention and those cases signify that the treatment relationship is apt to be unstable in Type I.

Level of Emotional Development Disturbance and Classification of Types Based on DIS Coexisting Diagnoses (Inpatients) (Table 15)

The levels of major disturbance grasped from the viewpoint of emotional development are shown in Table 15.

Cases indicating problems at the oral phase were the most in Type I and it indicates that Type I had more cases with problems in the earlier stage of emotional development than Type II or III.

Table 14: Acting

Type

Stealing
Violence
Love affair
Ignorance of dai
activities in wa
Escape from war
without permis
Refusal of food
medicine
Self-mutilation
Suicidal attempt
Others
Nothing in partic

Table 1 Classifi

Type

Oral phase Anal phase Oedipal phase Postoedipal phase

Ту

Table

Type

Narcissistic Immature Neurotic

Main Defense Mechan
of Types Based on DIS
[Inpatients] (Table 16

the course of treatment tory are shown in Tab In Type I the narci hisms of lower levels or denial were often defense mechanisms su lassification of tient)

	Total N : 34
	233 ± 262
(mean ± S.D.)

Distinction

Total	
N:34	
233±262	

0.05, ** p < 0.01)

vn in Table 14.

f 34 cases, cases with no spitalized period totaled

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Most notably 10 cases
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Development Disturbance
Types Based on DIS
(Inpatients) (Table 15)

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Table 15.

oblems at the oral phase of I and it indicates that es with problems in the ional development than

Table 14: Acting-Out and Classification of Types Based on DIS Coexisting Diagnoses

Туре	N:20 (%)	II N : 11 (%)	III N:3 (%)	Total N : 34 (%)
Stealing		1 (9.1)		1 (2.9)
Violence	1 (5.0)	1 (9.1)		2 (5.9)
Love affair	4 (20.0)	~ (/	1 (33.3)	5 (14.7)
Ignorance of daily	,,		. (55.5)	3 (14.7)
activities in ward	5 (25.0)	1 (9.1)		6 (17.6)
Escape from ward	,			0 (17.0)
without permission	7 (35.0)	3 (27.3)		10 (29.4)
Refusal of food and	•	` . · · · ·		10 (27.1)
medicine	1 (5.0)	1 (9.1)		2 (5.9)
Self-mutilation	10 (50.0)	3 (27.3)		13 (38.2)
Suicidal attempt	3 (15.0)	()		3 (8.8)
Others	,	1 (9.1)		1 (2.9)
Nothing in particular	4 (20.0)	5 (45,5)	2 (66.7)	11 (32.4)

Table 15: Level of Emotional Developmental Disturbance and Classification of Types on DIS Coexisting Diagnoses (Inpatient)

Туре	I N:20 (%)	II N:11 (%)	III N:3 (%)	Total N : 34 (%)
Oral phase	11 (55.0)	3 (27.3)		14 (41.2)
Anal phase	2 (10.0)	2 (18.2)		4 (11.8)
Oedipal phase	6 (30.0)	5 (45.5)	2 (66.7)	13 (38.2)
Postoedipal phase	1 (5.0)	1 (9.1)	1 (33.3)	3 (8.8)

Table 16: Main Defense Mechanism and Classification of Types Based on DIS Coexisting Diagnoses (Inpatient)

Туре	I N:20 (%)	II N:11 (%)	III N:3 (%)	Total N : 34 (%)
Narcissistic	12 (60.0)	2 (18.2)		14 (41.2)
Immature	6 (30.0)	7 (63.6)	1 (33.3)	14 (41.2)
Neurotic	2 (10.2)	2 (18.2)	2 (66.7)	6 (17.6)

Main Defense Mechanism and Classification of Types Based on DIS Coexisting Diagnoses (Inpatients) (Table 16)

The defense mechanisms appearing during the course of treatment or in the clinical history are shown in Table 16.

In Type I the narcissistic defense mechanisms of lower levels such as a projection or denial were often observed, immature defense mechanisms such as a regression or

acting-out were frequently noted in Type II and the neurotic defense mechanisms such as a repression or rationalization were noted often in Type III.

Improvement Degree at the Time of Discharge and Classification of Types Based on DIS Coexisting Diagnoses (Inpatients) (Table 17)

Improvement degrees at the time of discharge from the hospital are shown in Table

Table 17: Improvement Degree at the Time of Discharge and Classification of Types Based on DIS Coexisting Diagnoses (Inpatient)

Туре	N:20 (%)	II N : 11 (%)	III N:3 (%)	Total N:34 (%)
Extremely improved Fairly improved Slightly improved Unchanged, others	8 (40.0) 10 (50.0) 2 (10.0)	1 (9.1) 6 (54.5) 4 (36.4)	2 (66.7) 1 (33.3)	3 (8.8) 15 (44.1) 14 (41.2)

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17.

The improvement degree shown the most by the respective types was slightly improved in Type I, fairly improved in Type II, and extremely improved in Type III.

DISCUSSION

DIS Diagnosis and Clinical Diagnosis

DIS

As aforementioned (in Outline of Main Examination Item), DIS was originally developed for the purpose of identification and diagnostic classification of psychiatric patients in the epidemiological survey of the general population and has been widely and highly used.7 14 20 22 53 In the studies on the relationship between the DIS diagnosis made through the interview schedule and the clinical diagnosis (DSM-III or ICD) made by a clinical psychiatrist, some reported that, when the subjects were from the general population, the DIS diagnosis made from interviews by nonpsychiatrists had a high concordance rate with the clinical diagnosis made by psychiatrists,20 while some other reported concordance rates could not be said to be high over all of the diagnostic categories.7 14

However, in comparative studies of the DIS diagnosis with other diagnostic schedules made for psychiatric inpatients the concordance rate of the DIS diagnosis with the clinical diagnosis has been reported to be high.^{21 52 53} Thus, DIS, developed by NIMH for the purpose of an epidemiological survey

and widely supported, has been deemed valid for the structural diagnostic interview.

Our Previous Studies and Limitation of DIS

So far nothing has been reported on the studies carried out in Japan using DIS except for the studies by our groups in Fukuoka University. With the cooperation of Yamamoto, J., UCLA, we made a Japanese version of DIS in June, 1980 and applied it to our daily clinical activities and studies on the inpatients and outpatients in our psychiatry department. Furthermore, in order to substantiate and advance the consultation-liaison psychiatry, we have recently been extending and developing our studies with DIS by extending application to the inpatients of other departments. 31 34

This is the summary of our studies with psychiatric patients that we had previously made. In the study with 87 outpatients, of which 45 were suffering from neurosis, 18 from depression, and 24 from other diagnoses, few had the concordance between clinical diagnoses and DIS diagnoses. Twentyseven cases (31.0%) were with no diagnosis. meaning none of the DIS diagnosis was applicable. Our clinical perspective study seeking the reason for the above result revealed that as compared with the cases with agreement between clinical and DIS diagnoses, in those cases with disagreement between clinical diagnoses and DIS diagnoses, including the cases of no diagnosis, the treatment period was much longer, premorbid character of the patients was immodithymia, the outcome of treatment was in the symptom assessment. However, in the DIS almost all of the subject but also those within a phrenia or depression, concorded with clinical diagnose their DIS diagnose at diagnoses. 36

In actual clinical pra had no choice but to m nosis in order to specu course of disorders and priate treatment plan, n cases had no DIS diag number, frequency, and of the symptoms not sa criteria or the cases we toms satisfying several Through those studic came obvious that DIS,

for the epidemiological aral population, had, a some limitation in be psychiatric clinical prac diagnosis can never rep nosis but can only be us the constellation of syr relationship) in accord criteria of Axis I in D In addition, a different symptom expressions **To bring into Japan w** DSM-III developed in psychiatric diagnostic c based on the DSM-III be studied and discuss Taking the findings ence with DIS into co

Agreement and Disagro Clinical Diagnosis and In this Study

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)	Total N:34 (%)
	3 (8.8)
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	14 (41.2)

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and Limitation of DIS

been reported on the Japan using DIS except or groups in Fukuoka cooperation of Yamanade a Japanese version and applied it to our sand studies on the ents in our psychiatry more, in order to subthe consultation-liaison exently been extending studies with DIS by to the inpatients of

y of our studies with at we had previously ith 87 outpatients, of ng from neurosis, 18 24 from other diagordance between clinidiagnoses. Twentyere with *no diagnosis,* DIS diagnosis was aperspective study seekabove result revealed the cases with agreend DIS diagnoses, in ement between clinidiagnoses, including nosis, the treatment , premorbid character nodithymia, the outcome of treatment was not so good, although the symptom assessment scale level was low.

However, in the DIS study with inpatients, almost all of the subjects, not only neurotics but also those within the realm of schizophrenia or depression, had DIS diagnoses concorded with clinical diagnoses and furthermore their DIS diagnoses had some coexistent diagnoses.³⁶

In actual clinical practice, clinical doctors had no choice but to make the clinical diagnosis in order to speculate on the following course of disorders and organize an appropriate treatment plan, no matter whether the cases had no DIS diagnosis because of the number, frequency, and/or duration period of the symptoms not satisfying the operative criteria or the cases were with many symptoms satisfying several diagnostic criteria.

Through those studies in the past, it became obvious that DIS, originally developed for the epidemiological research of the general population, had, as a matter of course, some limitation in being directly used in psychiatric clinical practice and also the DIS diagnosis can never replace the clinical diagnosic but can only be used as a scale to know the constellation of syndromes (coexistence relationship) in accordance with diagnostic criteria of Axis I in DSM-III.

In addition, a difference of nationality in symptom expressions may not be ignored. To bring into Japan without adjustment the DSM-III developed in the United States as psychatric diagnostic criteria there and DIS base; on the DSM-III may be an issue to be studied and discussed in the future.

Taking the findings from our past experience with DIS into consideration, our study at this time used DIS as one assessment scale to grasp the clinical syndromes of psychiatric patients.

Agreement and Disagreement between Clinical Diagnosis and DIS Diagnosis in this Study

In this study, confining the subjects to neurotics, those cases with so severe and/or

advanced neurosis as to require hospitalization had agreement between clinical diagnoses and DIS diagnoses, furthermore accompanied by multiple coexisting diagnoses (mean number of DIS diagnoses 3.5 per patient).

When examined by difference in clinical diagnoses, phobic neurosis and obsessivecompusive neurosis, which have rather distinct and specific symptomatic structures as disease specifications, and most depressive neurosis had high agreement between clinical and DIS diagnoses, and they displayed the form of polysymptomatic neuroses, accompanied by a number of other coexisting diagnoses. By contrast, anxiety neurosis, hypochondriacal neurosis, and some part of depressive neurosis, the main symptoms of which are rather general symptoms such as anxiety, hypochondriasis, or depression, resulted in a few number of cases with agreement of clinical and DIS diagnoses because the number and the level of severity of their symptoms did not satisfy the DIS diagnostic criteria. Sometimes in such neuroses the number of cases of no diagnosis, without any DIS diagnosis, increased. Hysterical neurosis was positioned between those two groups and some had agreement of clinical and DIS diagnoses and some were noted as no diagnosis.

Coexisting Diagnoses

Hierarchical Exclusion Diagnosis

As one method to determine the diagnosis in cases where several diagnoses or symptoms coexist, general models of diagnostic hierarchy have been assumed since Kraepelin and those patients with broadly ranged symptoms generally came to be assigned to a single diagnostic category. (In other words, it is not a matter of contradiction but common for psychosis to have neurotic symptoms as well as psychotic symptoms, and psychosis is given a higher level in diagnostic hierarchy for the reason that neurosis should not have psychotic symptoms. Therefore, those cases having neurotic symptoms and psychotic symptoms coexistently are to be given not

both the diagnoses of neurosis and psychosis but a diagnosis of psychosis which is the higher diagnostic level.) The first review of such a hierarchy model of diagnosis with the full scale was the study by Foulds and Bedford¹⁵ using the delusions-symptomsstates inventory. Stating that a patient positioned at a particular class level in the diagnostic hierarchy did not show symptoms in the higher class levels but showed symptoms in the lower class levels, they used it as one of the grounds in support of the validity of hierarchical exclusion diagnostic model. However, some later studies with PSE (Present State Examination) reported that about half to two-thirds of the patients with psychotic symptoms, supposedly at the higher class in the hierarchy did not have neurotic symptoms in the lower class levels.49 50

Under such background, the hierarchical exclusion criteria were employed in the diagnostic criteria of Axis I in DSM-III, syndrome diagnosis, and applied on 60% of the disorders.⁹

Boyd et al. (1984)9 stated on the characteristics of hierarchical exclusion criteria that disorders that DSM-III says were related to each other in a hierarchic fashion are always strongly associated with each other, and furthermore, there was a general tendency toward co-occurrence of disorders, so much⁵⁰ that the presence of any DIS disorder increases the odds of having almost any other DIS disorder. Wittchen et al. (1955)53 said that without the exclusion criteria the number of positive anxiety-related disorders grew considerably. Weller et al. (1985)⁵² reported DIS syndromes given to the inpatients were 2.1 in mean. Those statements agree with the result of our examination where as no inpatients were classified as Type IV and inpatients were given coexisting DIS diagnoses of 3.5 as an average.

Coexisting Diagnoses

The major depressive episode was the key to the coexistence relationships of DIS diag-

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noses. Noted in 43.4% of all subjects and in 28 (35.4%) of 79 cases omitting depressive neurosis (clinical diagnosis), the major depressive episode was the diagnosis which coexisted the most (in number) with other diagnoses.

Reviewing the result from other aspects, coexistence solely between the neurotic diagnoses (panic disorder, phobic disorder, obsessive-compulsive disorder and somatization disorder) excluding the major depressive episode was found in only 6 cases (5.6% of the total subjects) and these were in Type II. On the contrary, there were many cases of major depressive episode coexistent with neurotic diagnoses (Type I) – 28 (26.4% of the total subjects).

This infers that coexistence is apt to be present between diagnoses mutually far apart in the diagnostic hierarchy levels such as between the neurotic diagnosis and depression (major depressive episode) rather than between neurotic diagnoses which are in similar levels.

In the literature there are many reports noting the coexistence relationship between anxiety disorder (i.e. neurosis) and depression. Leckman et al. (1983)²⁷ ²⁸ stated that 58% of the depressed probands displayed anxiety symptoms that met the DSM-III criteria and the lifetime rate of major depression and anxiety disorders among first-degree family members of probands with major depression plus an anxiety disorder was found to be significantly increased regardless of when the anxiety symptoms occurred.

Breier et al. (1984, 1985, 1986)¹⁰⁻¹² reported in 60 patients with agoraphobia or panic disorder that patients with a history of major depression had a more severe anxiety disorder and most of their major depression was in anticipation of panic anxiety disorder and was of the endogenous type presenting an episodic process and furthermore episodes of depression and panic anxiety disorder might be the manifestations of a common underlying pathogenic process.

Foa et al. (1983)¹³
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Clinical Significance of Types

Characteristics of Type
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s, 1985, 1986) 10-12 ress with agoraphobia of patients with a historical and a more severe anxiet of their major depression of panic anxiet from the endogenous typic process and further pression and panic anxiet the manifestations of pathogenic process.

For et al. (1983)¹³ and Barlow et al. (1985)⁸ reported obsessive-compulsive disorder accompanied by depression was more severe than without depression.

Based on the points stated above, some take the view that anxiety disorders in general are characterized by less severe depressive symptomatology than major depression. They agree with the result of our study that the patients of so severe neurotic symptoms as to require hospitalization were mostly found in Type I, where anxiety disorders and major depressive episode coexisted on the basis of DIS.

Next to a major depressive episode, phobic disorder was the coexistent diagnosis which was noted most frequently and appeared in the 35.8% of the total subjects and was observed in 31 (31.3%) of 99 cases excluding the case of phobic neurosis (clinical diagnosis). Our attention is drawn to the fact that in anxiety neurosis panic disorder occurred only in as few as 6.3% of the cases while phobic disorder in as many as 43.8% of the cases and that in hypochondriacal neurosis, which has a supposedly close relationship with anxiety neurosis, the incidence of panic disorder was 5.6%, almost the same rate as in anxiety neurosis but there was no observation of phobic disorder, which made a very clear contrast with anxiety neurosis. Such findings, when reviewed solely from the syndrome diagnosis, suggest a proximity between anxiety neurosis and phobic disorder and seem to agree with the suggestion of Noyes et al. (1986)37 that agoraphobia is a more severe variant of panic disorder.

Clinical Significance of the Classification of Types

Characteristics of Type I

Type I is characterized by being polysymptomatic neurosis to include the *major* depressive episode. In personality tests of the Fukuoka University version many Type I patients had a shut-in tendency, unstable in interpersonal attitude and emotion, that is Type E. In psychodynamic assessment in treatment practice, use of the defense mechanisms of low levels such as splitting or projective identification, instability in self-consciousness and interpersonal relationship with his important person, and acting-out were observed. From the aspect of emotional development they are considered to be immature developmental disorders having problems at the oral phase or anal phase. Naturally, the majority of Type I patients, 75.0%, were given diagnoses of personality disorder such as for narcissistic personality disorder or borderline personality disorder. The clinical characteristics of such personality disorder seem to agree with the concept of the borderline patient which was set forth by Kernberg (1967, 1981)²³ ²⁴ and Gunderson (1975)17 and which has now been widely recognized.

Originally, the term "borderline patient" was the concept brought about through practices of psychotherapeutic treatment and used to be an ambiguous term applied to those patients who were difficult to cure, except for those of typical neurosis or psychosis. This concept was placed in the 1950s in the schizophrenic spectrum as a "transitional state of neurosis and psychosis," but since the 1960s it has been understood within the framework of personality disorders⁵¹ as a matter of "character pathology." In DSM-III,6 it was placed within the realm of personality disorder based on the studies of Spitzer et al. (1979)44 45 and was divided into the borderline personality disorder characterized by unstable personality and the schizotypal personality disorder characterized by bizarre communication and micropsychosis. The latter, schizotypal personality disorder, has come to be considered belonging to the schizophrenic spectrum.

Concerning borderline personality disorder, some pointed out that it was not easily distinguishable from antisocial personality disorder or histrionic personality disorder, 5 38 40 and some others suggested it was personality disorder without a characterologic

speciality.²⁶ ²⁰ However, recently overlap and proximity between personality disorder and affective disorder have come to be emphasized.¹⁻⁵ ¹⁶⁻¹⁸ ²³ ²⁶ ³⁸⁻⁴⁰ ⁴⁶⁻⁴⁸ Under such circumstances, reviewing the literature about the connection between borderline personality disorder and affective disorder, Gunderson (1985)¹⁰ suggested the possibility that the groups of different natures might be included there. However, there is no doubt that patients who have both depression and borderline personality disorder are more likely to attempt suicide than those with only one disorder.

In regard to the relationship between depression and borderline personality disorder, Akiskal (1981, 1984)^{2.5} suggested that the source of characterologic pathology in borderline personality disorders, such as cyclothymia or bipolar II, was a hindrance to optimal ego maturation due to the high frequency episodes caused by frequent and episodic occurrence beginning in early adolescence. In other words, the characterologic disturbances of borderline patients may be secondary to affective disorder. Freedman (1982)¹⁶ indicated that depression might have an earlier onset in the life cycle than generally appreciated. Dysthymia might be a serious disorder during adolescence and might progress to major depression. And the onset of such affective disorder was in an earlier period than that of borderline personality disorder.

As to the treatment, there have been discussions on the importance of preventing personality maladjustments to be fixed by applying a long-term administration of thymoleptics or lithium carbonate from the early stage for the patients who could not be ameliorated by psychotherapy and nonspecific pharmacotherapy¹ and also of preventing postdepressive personality disturbances by administering antidepressants to the depressive children with behavior disorder.⁵

What is emphasized in common in the above referred discussions is the importance of a depressive factor in personality disorders

that causes difficult problems in treatment,

As a result, the effect of our study was to reconfirm such views and opinions in literature. That is, Type I, neurosis accompanied by depression, is clinically more severe than Type II unaccompanied by depression and the severity is summarized as a borderline patient, of which the depressive symptoms are an important factor.

From these considerations we conclude that Type I in this study is the clinically severe neurosis to satisfy the concept of "borderline personality disorder accompanied by depression."

Type II

Type II is the neurosis unaccompanied by depression and in the Fukuoka University version of personality test many Type II patients were temperature but irresolute (Type C) and in the psychodynamic personality diagnosis a few of them were noted as having a personality disorder. They had a lot of symptoms at the time of hospitalization and the reason is considered to be because they were defending oedipal conflicts with immature mechanisms such as regression, actingout and somatization. Therefore, their mental health levels in GAS tended to be lower than Type I at the time of hospitalization, but they displayed higher amelioration levels in the treatment with supportive approaches and their required hospitalization period was shorter than Type I.

The above leads us to conclude that Type II is symptomatic neurosis with its main problem on the aspect of symptoms rather than the aspect of personality disorder.

Type III

Among inpatients there were only 3 cases classifiable as Type III. They had the character of reality affirmative tendency (Type B in the personality test of the Fukuoka University version) and because distinct amelioration was observed after a short period of treatment with supportive approaches and administration of antidepressants, they are

diagnosed as depressive episode with less ality.

Type IV

but the outpatients of given treatment similar our previous studies. some light cases with Type II and also some onset and to be possible II or Type III in the As we have outlined tive by being applied speculating severity leving consideration of the ality disorder, from the from the clinical diagnuthe corresponding treat

CONCL

The relationship bet nosis and DIS-Lifetime ly given independently examined on 72 outp tients. The inpatients h ing diagnoses. Cases of sessive-compulsive neu neurosis showed a high the clinical and DIS dia y, they were in the for neurosis having a num diagnoses. The cases of hypochondriacal neuro ance between the clinic and some of them ha Hysterical neurosis sl level between those two The coexistence rela noses were examined. episode was the key to lionships. Cases which nosed as neurosis wei **Collowing four types by** donships;

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Type IV

Type IV was not found among inpatients, but the outpatients of this type have been given treatment similar to Type II based on our previous studies. Such cases included some light cases with fewer symptoms than Type II and also some cases just after the onset and to be possibly transferring to Type II or Type III in the course of time.

As we have outlined so far, DIS was effective by being applied to the neurotics, for speculating severity levels of neurosis including consideration of the presence of personality disorder, from the viewpoint different from the clinical diagnosis and for reviewing the corresponding treatment plan.

CONCLUSION

The relationship between the clinical diagnosis and DIS-Lifetime diagnoses respectively given independently from each other were examined on 72 outpatients and 34 inpatients. The inpatients had many DIS coexisting diagnoses. Cases of phobic neurosis, obsessive-compulsive neurosis, and depressive neurosis showed a high concordance between the clinical and DIS diagnoses and, specifically, they were in the form of polysymptomatic neurosis having a number of other coexisting diagnoses. The cases of anxiety neurosis and hypachondriacal neurosis had a low concordance between the clinical and DIS diagnoses, and some of them had no DIS diagnosis. Hysterical neurosis showed a relationship level between those two groups.

The coexistence relationship in DIS diagnoses were examined. The major depressive episode was the key to the coexistence relationships. Cases which were clinically diagnosed as neurosis were classified into the following four types by the coexistence relationships;

Type I: neurosis which has coexisting

diagnoses belonging to anxiety disorders or somatoform disorders, in addition to the major depressive episode (different from the so-called depressive neurosis)—28 cases (26.4%),

Type II: neurosis without the major depressive episode and belonging to anxiety disorders or somatoform disorders—30 cases (28.3%),

Type III: neurosis with only the major depressive episode or with coexisting diagnoses of either psychosexual dysfunction, tobacco dependence, or other as well as the major depressive episode—18 cases (17.0%), and

Type IV: neurosis other than Types I-III —30 cases (28.3%).

The clinical significance of the classification based on DIS coexisting diagnoses was examined on 34 inpatients and found that; Type I: severe neurosis accompanied by borderline personality disorder, Type II: symptomatic neurosis, Type III: depressive neurosis or depressive episode with less distortion of the personality, Type IV: other neuroses similar to symptomatic neurosis.

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