

のが2人(25%)みられた。また、FCHLの表現型としてはWHOのFCHL分類でIIbないしはIIbに準ずると考えられた例が8人中4人であった。素因の由来する確率は母系、父系の間で差異は認めなかった。

D. 考察

FCHL年長児になると肥満や加齢によるTG値への変動要因が顕著となる傾向がある。高TG血症の有無に関わらず、LDL-Cは高値となり、またアポBは高値であり、LDL粒子サイズは小型の傾向がみられる。E3/2のタイプでは、臨床検査ではFCHLによるTG代謝異常との関係が不明である。親のマルチプルリスクファクター症候群との関連性を示唆する1男児例がみられた。FHとの鑑別に%LDLは役立つ可能性があった。

F. 研究発表

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学会発表

黒森由紀、岡田知雄、岩田富士彦、他：
家族性複合型高脂血症と判断される小児とその家族への取り組みについて 第14回小児脂質研究会 2000年12月10日

図1. 対象幼児の肥満度分布

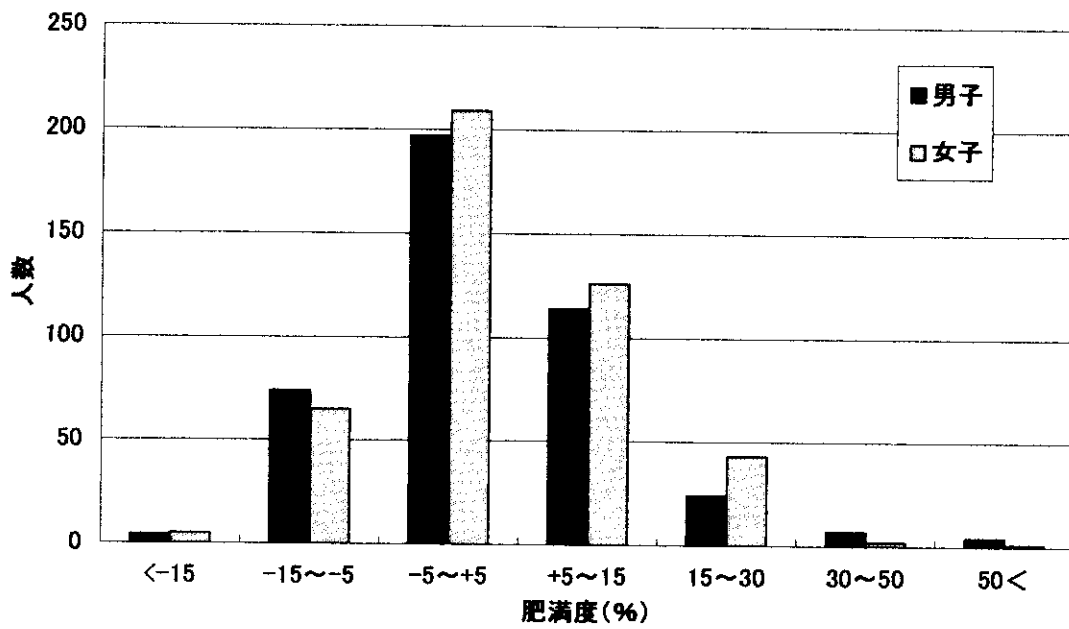


図2. 4-5歳男児のLDL-CとTGの分布

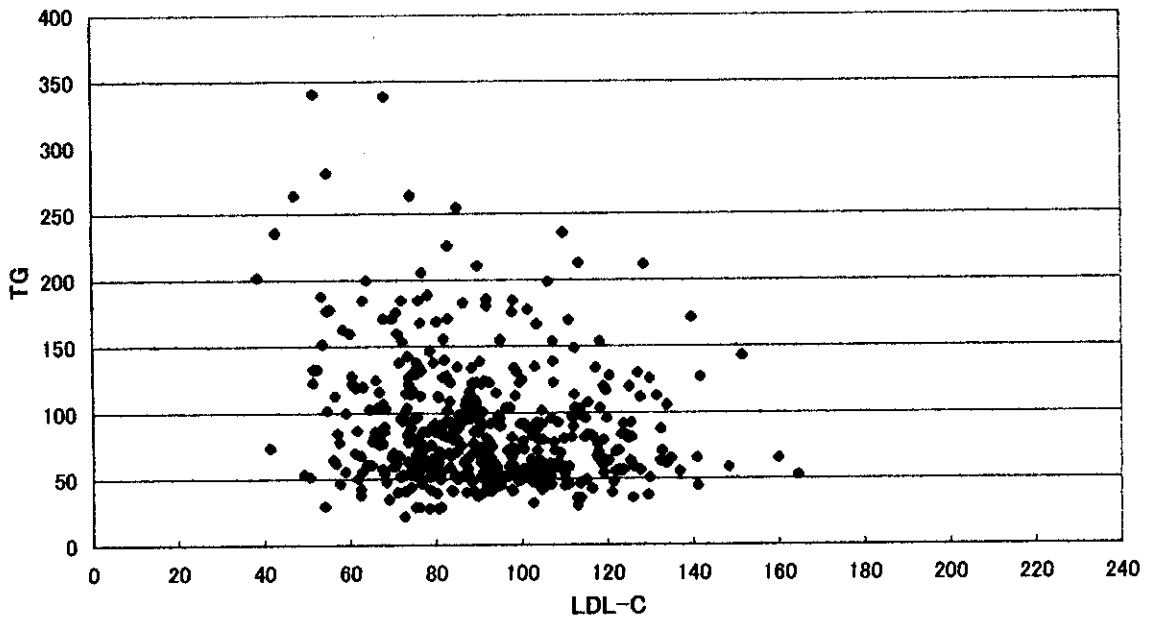


図3. 4-5歳女児のLDL-CとTGの分布

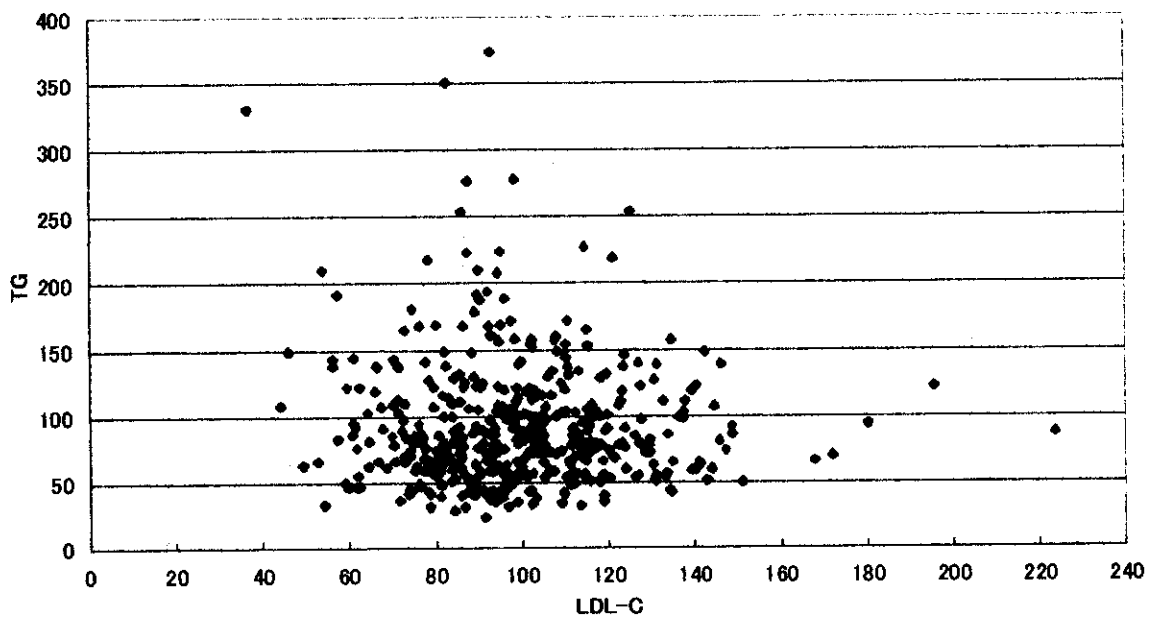


表 1. 4-5歳幼児における高脂血症の頻度

		全体 (n=875)		男子 (n=424)		女子 (n=451)	
		例数	(%)	例数	(%)	例数	(%)
1	LDL-C>120 mg/dl	108	(12.3)	42	(9.9)	66	(14.6)
2	TG>150 mg/dl	90	(10.3)	48	(11.3)	42	(9.3)
3	1 かつ 2 (IIb)	5	(0.57)	2	(0.47)	3	(0.67)

表 2. 家族性複合型高脂血症疑診症例 (IIb)

症例	年齢	性	身長 (cm)	体重 (kg)	肥満度 (%)	血圧	TC (mg/dl)	LDL-C (mg/dl)	HDL-C (mg/dl)	TG (mg/dl)	AI
1	4	男	101.1	17.8	11.3	119/60	225	139.6	51	172	3.4
2	4	男	103.8	15.8	-5.4	94/64	232	128.6	61	212	2.8
3	4	女	103.0	15.5	-5.5	104/61	227	125.2	51	254	3.5
4	4	女	105.1	14.8	-12.9	100/60	204	134.6	38	157	4.4
5	4	女	102.5	15.0	-8.0	108/63	219	121.2	54	219	3.1

表 3. 幼児期に家族性複合型高脂血症疑診症例であった児の5年後の健診結果

症例	年齢	肥満度 (%)	血圧	TC (mg/dl)	HDL-C (mg/dl)	AI
1	9	9.0	123/69	201	54	2.7
2	9	-15.9	111/65	220	72	2.1
3	10	6.7	130/78	203	55	2.7
4	10	-7.9	116/46	232	54	3.3
5	9	-8.9	92/50	185	57	2.2

IV. 研究成果の刊行 に関する一覧表

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著者名	論文題目	雑誌名	巻:頁、西暦年号.
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Inazu A, Koizumi J, Mabuchi H.	Cholesteryl ester transfer protein and atherosclerosis.	Curr Opin Lipidol	11:389-396, 2000

(注) 1. 研究班員および協力者の指名にはアンダラインを引くこと。
 2. この表に記入した雑誌を一部添付すること。
 3. 投稿中、印刷中のものも記載すること。

研究成果の刊行に関する一覧表

著者名	論文題目	雑誌名	巻、頁、西暦年号
Dobiasova M, Adler L, <u>Ohta I</u> , et al.	Effect of labeling of plasma lipoproteins with ^[3H] -cholesterol on values of esterification rate of cholesterol in apoB lipoproteins depleted plasma (FERHDL).	J Lipid Res	41: 1356-1357, 2000
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Katsuren K, Tamura T, <u>Ohta I</u> et al.	Structure of the Human Acyl-CoA:Cholesterol Acyltransferase-2 (ACAT-2) Gene and Its Relation to Dyslipidemia	Biochim Biophys Acta	2001 In press

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著者名	論文題目	雑誌名	巻:頁、西暦年号
Iwata F, Okada T, Harada K	Assessment of obesity in children.	Int J Obesity	24:1542-1543, 2000
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