

Table 9 . RLS/WED 関連症状によるダイオキシン類血中濃度の比較

	Non-LMR	LMR	RLS/WED	p value
N	456	299	76	
2,3,7,8-TCDD	1.3 (0.5-1.9)	1.4 (0.5-2.1) **	1.2 (0.5-2.0)	0.005
1,2,3,7,8-PeCDD	6.4 (4.2-9.4)	7.7 (5.0-11.2) **	6.1 (4.2-9.7)	< 0.001
1,2,3,4,7,8-HxCDD	1.0 (1.0-2.9)	2.3 (1.0-3.3) **	1.0 (1.0-2.9)	0.004
1,2,3,6,7,8-HxCDD	18.8 (12.5-32.5)	24.4 (14.1-40.2) **	22.3 (13.6-38.3)	0.001
1,2,3,7,8,9-HxCDD	2.6 (1.0-4.1)	3.2 (1.0-4.8)	2.7 (1.0-4.6)	0.08
1,2,3,4,6,7,8-HpCDD	30.1 (20.8-44.4)	34.4 (23.2-51.6) **	31.3 (20.6-44.9)	0.01
OCDD	414.5 (277.0-642.5)	482.1 (311.2-716.9) *	391.3 (246.1-595.0)	0.01
Total PCDDs	479.7 (329.8-734.8)	568.5 (365.9-835.6) **	455.4 (317.8-705.8)	0.004
2,3,7,8-TCDF	1.3 (0.5-2.5)	1.5 (0.5-2.7)	1.4 (0.5-2.6)	0.35
1,2,3,7,8-PeCDF	0.5 (0.5-1.5)	0.5 (0.5-1.6)	0.5 (0.5-1.5)	0.26
2,3,4,7,8-PeCDF	22.5 (12.1-59.6)	29.0 (15.0-85.2) *	29.3 (10.6-82.2)	0.02
1,2,3,4,7,8-HxCDF	4.4 (2.6-9.9)	5.6 (3.0-14.0) *	4.7 (2.4-14.2)	0.02
1,2,3,6,7,8-HxCDF	4.3 (2.7-7.2)	5.3 (3.0-10.0) **	4.4 (2.4-8.4)	0.004
2,3,4,6,7,8-HxCDF	1.0 (1.0-1.0)	1.0 (1.0-1.0)	1.0 (1.0-1.0)	0.55
1,2,3,7,8,9-HxCDF	1.0 (1.0-1.0)	1.0 (1.0-1.0)	1.0 (1.0-1.0)	0.37
1,2,3,4,6,7,8-HpCDF	1.0 (1.0-2.5)	1.0 (1.0-2.7)	1.0 (1.0-2.3)	0.16
1,2,3,4,7,8,9-HpCDF	1.0 (1.0-1.0)	1.0 (1.0-1.0)	1.0 (1.0-1.0)	0.89
OCDF	2.0 (2.0-2.0)	2.0 (2.0-2.0)	2.0 (2.0-2.0)	0.89
Total PCDFs	43.6 (26.5-89.5)	51.6 (30.5-119.6) **	47.0 (23.2-118.1)	0.01
3,4,4',5-TCB (#81)	5.0 (5.0-5.0)	5.0 (5.0-5.0)	5.0 (5.0-5.0)	0.86
3,3',4,4'-TCB (#77)	5.0 (5.0-5.0)	5.0 (5.0-10.1)	5.0 (5.0-6.3)	0.99
3,3',4,4',5-PeCB (#126)	64.0 (37.1-110.2)	73.7 (40.6-129.2)	60.4 (37.9-101.5)	0.05
3,3',4,4',5,5'-HxCB (#169)	94.0 (54.1-170.9)	110.8 (64.1-198.1)	103.3 (52.9-195.2)	0.03
Total Non-ortho PCBs	181.0 (106.7-302.1)	221.9 (121.2-341.2) *	184.2 (111.5-312.0)	0.02
Total	775.0 (505.0-1184.8)	947.3 (571.0-1390.0) **	740.0 (483.4-1165.1)	0.001
Total PCDDs-TEQ	11 (7-16)	13 (9-19) **	11 (7-17)	< 0.001
Total PCDFs-TEQ	8 (5-20)	10 (6-28) **	10 (4-28)	0.01
Total Non-ortho PCBs-TEQ	10 (5-17)	12 (6-19) *	10 (6-16)	0.02
Total TEQ	31 (18-54)	39 (23-69) **	32 (19-59)	0.003

* vs. non-LMR p < 0.05, ** vs. non-LMR p < 0.01. CB, chlorinated biphenyl; CDD, chlorinated dibenzo-p-dioxins; CDF, chlorinated dibenzofurans; Hx, hexa; Hp, hepta; LMR, leg motor restlessness; OCDD, octachlorodibenzo-p-dioxin; OCDF, octachlorodibenzofurans; PCB, polychlorinated biphenyl; PCDD, polychlorinated dibenzo-p-dioxin; PCDF, polychlorinated dibenzofuran; Pe, penta; RLS/WED, restless legs syndrome/Willis-Ekbom disease; TCB, tetrachlorobiphenyl; TCDD, tetrachlorodibenzo-p-dioxin; TCDF, tetrachlorodibenzofuran; TEQ, toxic equivalent quantity.