

Supplementary material

Point prevalence of motor neuropathy in children and adolescents with type 1 diabetes mellitus

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Table S1-dataset including demographic data, biochemical parameters, results of neurological examinations, and nerve conduction study values.

Sex (F=female M=male)	F	F	F	M	M	M	M	F	M	M	M	M	M	M	M	F	F	M	M	F	F	M	M	M	F	F	M	M	M
DMT1 duration (years)	15	14	14	12	13	15	16	14	10	14	13	12	10	8	13	12	10	15	13	11	14	6	16	13	12	8	8	10	5
Age (years)	17	17	16	17	14	15	17	15	16	15	16	14	12	15	16	14	14	16	15	15	15	12	17	17	17	12	15	16	18
Height (cm)	176	159	165	174	162	175	173	165	175	169	182	167	148	185	170	163	156	172	182	160	155	154	170	187	172	161	166	172	164
Weight (Kg)	77. 6	48. 0	66.5	60	56. 8	60. 6	64.4	69. 5	63.7	70	69. 7	55. 5	41. 1	65. 9	61. 5	69. 1	55. 7	54. 9	64. 6	54. 5	57. 6	41. 2	64. 7	81. 8	92. 1	42.2	56. 8	70.5	70. 1
BMI (kg m ⁻²)	25. 2	19. 1	24.4	19. 8	21. 5	19. 9	21.6	25. 6	20.9	24. 4	21. 0	19. 9	18. 8	19. 3	21. 3	26. 2	23. 0	18. 5	19. 6	21. 4	24. 0	17. 4	22. 3	23. 4	31. 1	16.4	19. 8	23.8	26. 2
HbA1c (IFCC mmol/mol (NGSP %))	76 (9.1)	58 (7.5)	50(6.7)	57 (7.4)	57 (7.4)	37 (5.5)	63 (7.9)	74 (8.9)	53 (7.0)	67 (7.2)	52 (8.3)	68 (6.9)	45 (8.4)	84 (6.3)	48 (9.8)	48 (6.5)	48 (6.5)	45 (6.5)	53 (6.3)	54 (7.0)	54 (7.1)	54 (7,1)	49 (6.6)	65 (8.1)	68 (8.4)	51 (6.8)	64 (8.0)	99 (11.2)	54 (7.1)
Fasting plasma glucose (mg dL ⁻¹)	240	111	167	159	179	139	190	249	208	172	150	156	186	142	218	166	156	132	163	212	163	168	187	226	209	86	186	285	181
HDL (mg dL ⁻¹)	65	54	82	43	55	65	57	45	70	45	51	59	46	54	-	41	59	45	61	55	58	58	51	53	50	72	53	68	-

[illegible]

[illegible]

Latency- left medianus motor (m s)	3.1 2	3.2 9		3.7 1	3.7 1	3.7 1	3.58	3.2 1	3.17	2.9 2	3.6 4	3.3 8	2.9 7	3.8 5	3.8 3	3.2 5	2.8 3	4.1 7	3.4 6	3.0 4	3.5 6	3.4 2	3.4	3.7 9	2.8 8	3.1	3.1	3.65	3.1
Amplitude-left medianus motor (m V)	9.5	8.1	7.4	11. 4	6.5	8.2	7.8	6.4	10.0	11. 0	11. 8	6.3	5.4	11. 5	7.2	8.5	9.0	9.6	6.0	10. 7	5.5	6.3	8.9	8.6	7.5	12.8	8.3	7.9	7.2
Conduction velocity- left medianus motor (m s ⁻¹)	56. 8	60. 7	56.5	59. 7	50. 1	50. 8	54.7	55. 6	55.3	55. 4	65. 0	56. 4	57. 1	55. 8	54. 7	59. 7	57. 6	58. 7	60. 4	58. 8	53. 9	65. 5	59. 3	56. 2	50. 3	57.6	57. 0	55.0	55. 6
Latency-Right medianus motor (m s)	3.4 2	2.8 1	3.38	3.7 3	3.4 6	3.8 8	3.60	3.4 2	3.44	2.9 8	3.6 0	3.4 2	2.9 4	4.2 3	3.4 6	3.1 7	3.0 2	3.6 9	3.1 5	3.1 5	3.9 8	3.4 6	3.1 9	3.6 9	3.2 9	2.81	3.1 3	3.69	3.0 6
Amplitude-Right medianus motor (m V)	9.9	9.6	8.6	7.5	9.5	9.5	12.5	9.1	11.3	12. 3	11. 0	6.1	5.1	9.3	9.1	10. 5	8.9	11. 3	8.6	9.5	6.2	7.7	13. 5	9.3	8.4	11.5	8.5	6.7	10. 2
Conduction velocity- Right medianus motor (m s ⁻¹)	57. 2	58. 4	59.4	53. 9	59. 3	58. 0	59.9	51. 7	58.0	55. 3	57. 3	60. 1	66. 9	55. 8	57. 0	60. 1	59. 2	59. 1	58. 5	57. 1	54. 5	60. 5	58. 7	58	56. 7	58.5	58. 0	55.1	60. 3
Latency-Left peroneus motor (m s)	5.1 7	3.2 5	4.29	4.2 5	4.4 6	4.9	4.79	3.3 3	4.25	3.9	4.0 6	3.9 1	3.6 5	4.4	4.6	4.1	3.1 7	4.3 3	5.1 7	4.2 7	3.1 6	3.9 8	3.8 3	4.6 9	4.0 6	3.99	3.8 3	3.81	3.6 5
Amplitude-left peroneus motor (m V)	5.2	7.1	3.7	5.8	4.0	6.8	8.2	6.7	6.8	3.0	5.3	3.9	1.4 6	3.5	4.9	4.5	5.4	6.2	3.3	5.5	4.0	5.0	13. 1	7.2	5.3	4.6	6.2	7.0	9.3
Conduction velocity- Left peroneus motor (m s ⁻¹)	44	51. 4	49.1	48. 7	57. 4	56. 1	54.4	49. 4	52.7	50. 5	43. 7	50. 1	46. 5	40. 5	47. 6	48. 7	49. 6	52. 4	51. 4	50. 7	51. 0	51. 4	52. 0	46. 8	46. 7	48.6	50. 4	47.6	49. 3
Latency-right peroneus motor (m s)	4.3 3	3.1 0	3.69	3.4 8	3.6 0	3.6 5	3.63	3.3 2	3.85	3.5 8	4.6 8	3.5 4	3.8 1	4.2 3	3.6 7	4.1 9	3.7 7	4.2 7	3.9 2	4.3 8	3.8 5	3.9 7	3.4 4	3.6 5	3.7 3	3.67	3.3 7	4.13	3.4 8
Amplitude-right peroneus motor (m V)	6.6	7.6	4.7	6.6	4.6	7.8	9.6	6.1	8.2	3.6	5.2	3.8	2.8	5.6	10. 1	3.9	4.3	7.3	6.1	6.7	5.3	7.1	11. 0	9.7	7.2	2.9	6.3	5.1	7.8
Conduction velocity- right peroneus motor (m s ⁻¹)	43. 7	53. 3	47.0	47. 7	49. 7	46. 9	53.5	53. 6	50.3	47. 6	47. 9	47. 0	52. 5	40. 4	44. 4	47. 0	54. 7	48. 9	48. 6	50. 9	48. 3	51. 5	50. 6	44. 1	45. 8	47.7	50. 0	47.0	51. 3
Latency-left ulnaris motor (m s)	2.4 8	2.4 6	2.48	2.6 2	2.6	2.8 5	2.92	2.5 6	2.3	2.6	3.1 3	2.4 4	2.3 8	3.2 1	2.4 2	2.3 1	1.9 6	3.2 3	2.3 5	2.5 6	2.4 4	2.4 2	2.6	2.9	2.2 3	2.25	2.4 2	2.63	2.5 2
Amplitude-left ulnaris motor (m V)	8.9	9.7	8.3	8.6	7.0	9.9	10.6	8.1	7.7	6.8	9.7	10. 3	7.4	7.7	7.5	8.7	8.9	9.0	7.0	9.1	7.7	7.3	10. 9	10. 5	7.9	9.6	9.0	11.3	6.7

Conduction velocity- left ulnaris motor (m s ⁻¹)	53. 2	67. 0		68. 4	56. 8	59. 2	60.8 9	58. 6		68. 6	59. 1	57. 1	70. 4	61. 2	58. 0	63. 5	66. 1	56. 9	64. 1	60. 3	56. 7	61. 6	59. 6	61. 6	52. 3		59. 8		67. 1
Latency-right ulnaris motor (m s)	2.7 3	2.3 8	2.69	2.5 2	2.8 3	2.3 8	3.23	2.7 1	2.69	2.4 4	3.2 5	2.6 7	2.4 6	3.2 5	2.5 8	2.6 5	2.0 6	3.0 4	2.3 8	2.6 5	2.9	2.5 6	3.2 1	2.5 2	2.4 8	2.27	2.4 4	2.6	2.5
Amplitude-right ulnaris motor (m V)	8.8	10. 1	7.4	9.0	6.2	9.4	10.3	7.4	7.7	6.1	9.4	8.5	9.6	8.2	8.1	7.8	9.0	9.5	6.5	9.1	10. 3	6.6	11. 9	8.7	6.6	10.9	11. 1	9.6	6.2
Conduction velocity- right ulnaris motor (m s ⁻¹)	65. 0	65. 7		68. 6	56. 9	56. 0	57.1	53. 6	60.1 2	63. 3	56. 1	65. 3	70. 9	55. 7	54. 5	63. 8	60. 4	51. 3	66. 7	60. 3	62. 3	61. 7	64. 5	56. 7	51. 3		59. 0		61. 0
Latency-left tibialis motor (m s)	4.9 8	4.1 3	4.09	3.2 5	3.8 7	3.6 3	4.58	4.6 2	3.44	3.8 2	3.1 6	4.3 5	3.9 2	4.3 2	3.9 9	3.7	3.6 8	5.2 3	4.4 4	3.9 2	5.0 4	4.5 1	3.6 5	4.0 8	3.4 3	3.75	4.1 3	4.85	4.7 6
Amplitude-left tibialis motor (m V)	7.8	12. 2	6.3	17. 3	6.0	9.7	11.5	9.5	10.2	5.8	11. 1	9.7	10. 1	9.1	13. 7	11. 1	16. 4	11. 1	15. 0	9.8	16. 8	14. 7	23. 1	9.5	10. 6	11.4	9.3	9.8	11. 8
Latency-left tibialis motor (m s)	4.7 9	3.3 3	4.14	4.5 8	3.8 3	3.7 5	4.9	4.1 7	4.96	3.5 4	5.1 3	3.9 2	3.2 3	4.9	4.4 5	3.3 2	3.7 3	4.9 6	4.9 4	4.2 4	4.0 8	3.7	4.4 6	3.6 2	4.3 5	4.54	4.6 3	3.92	4.7 3
Amplitude-Right tibialis motor (m V)	6.9	9.6	8.9	13. 2	8.3	13. 2	12.4	10. 1	9.2	9.9	12. 2	7.2	7.4	10. 7	15. 5	9.4	14. 1	16. 7	14. 0	9.6	13. 7	14. 5	17. 2	7.4	13. 7	11.6	16. 7	8.9	10. 4
F minimal latency right (m s)	50. 2	42. 4	47.3	44. 2	43. 4	48. 3	44.9	44. 5	49.7	42. 5	52. 2	41. 4	37. 8	54. 2	47. 7	48. 0	39. 3	46. 4	49. 0	42. 3	42. 6	42. 4	49. 8	48. 7	44.5	45. 6	46.2	44. 0	
F minimal latency left (m s)	54. 2	41. 8	46.2	43. 2	42. 9	46. 9	44.7	44. 1	52.1	42. 8	50. 1	44. 5	37. 4	54. 4	48. 5	46. 3	39. 8	46. 2	49. 1	41. 5	44. 4	41. 1	44. 3	49. 9	48. 8	45.4	45. 9	47.5	43. 2

