

Title: Effects of a Conductive Education course in young children with cerebral palsy: a randomised controlled trial

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TABLE 2. Parent-reported conventional practice

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Targets, amount and content of training	2 nd week parent-reported conventional practice Waiting list group, (n=9)	14 th week parent-reported conventional practice CE group (n=11)	14 th week parent-reported conventional practice Waiting list group, (n=8)
Gross motor function			
<3 ^a times per week	3	2	2
3-6 times per week	0	0	0
Every day	2	4	1
Several times per day	4	5	5
Hand function			
<3 ^a times per week	3	2	1
3-6 times per week	2	1	1
Every day	2	6	3
Several times per day	2	2	3
Eating & drinking			
<3 ^a times per week	0	0	0
3-6 times per week	0	0	0
Every day	3	3	2
Several times per day	6	8	6
Getting dressed			
<3 ^a times per week	3	3	3
3-6 times per week	0	0	0
Every day	4	4	4
Several times per day	2	4	1
Communication			
<3 ^a times per week	2	3	0
3-6 times per week	0	2	0
Every day	4	3	5
Several times per day	3	3	3
Playing skills			
<3 ^a times per week	2	0	1
3-6 times per week	1	5	1
Every day	3	3	5
Several times per day	3	3	1
Social skills			
<3 ^a times per week	1	1	0
3-6 times per week	2	2	2
Every day	3	5	5
Several times per day	3	3	1
Rhythmical intentions			
<3 ^a times per week		10	8 ^a
3-6 times per week		1	0
Every day		0	0
Several times per		0	0

day		
CE-equipment (e.g., ladder back chair)		
<3 ^a times per week	10	8 ^b
3-6 times per week	1	0
Every day	0	0
Several times per day	0	0

^aIncludes none, 1-2 times per week and do not know. ^bAll the 8 parents reported none.

TABLE 3. Results for the child-related outcomes

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Outcomes	Study groups	Baseline			Mean change score		Differences in mean change (MD) score between groups at four months ^c			
		n	Mean	SD	n	Mean change score	SD	MD	95% CI	p-value
GMFM-66 ^a total	CE group	11	49.23	20.34	11	2.89	2.52			
	Waiting list group	10	50.28	24.41	8	1.33	3.93	-1.55	-4.67, 1.56	0.31

^ascaled score range 0-100 (higher score indicates better functioning), ^b0=never, 5=almost always (higher score indicates more problems), ^c analysed using two sample t-test

PEDI ^a , self-care scale	CE group	11	48.25	11.28	11	2.23	3.42			
	Waiting list group	10	44.62	13.03	9	0.66	4.14	-1.57	-5.12, 1.98	0.37
PEDI ^a , mobility scale	CE group	11	48.16	23.61	11	3.30	5.64			
	Waiting list group	10	46.52	19.38	9	-0.01	7.42	-3.31	-9.45, 2.82	0.27
PEDI ^a , social function scale	CE group	11	56.49	6.26	11	1.33	1.91			
	Waiting list group	10	50.91	10.04	9	-0.43	3.30	-1.76	-4.24, 0.72	0.15
PedsQL ^b , physical functioning scale	CE group	11	2.27	1.18	10	-0.05	0.96			
	Waiting list group	10	2.49	0.74	9	-0.10	0.48	-0.05	-0.80, 0.70	0.89
PedsQL ^b , emotional functioning scale	CE group	11	1.22	0.61	10	0.16	0.54			
	Waiting list group	10	1.18	0.55	9	-0.13	0.28	-0.29	-0.72, 0.13	0.16
PedsQL ^b , social functioning scale	CE group	11	2.13	0.74	10	0.08	0.49			
	Waiting list group	10	1.88	0.61	9	-0.09	0.30	-0.17	-0.57, 0.23	0.39
PedsQL ^b , functioning in kindergarten scale	CE group	11	1.63	0.78	10	-0.18	0.66			
	Waiting list group	9	1.78	0.47	7	0.15	0.18	0.32	-0.23, 0.87	0.23

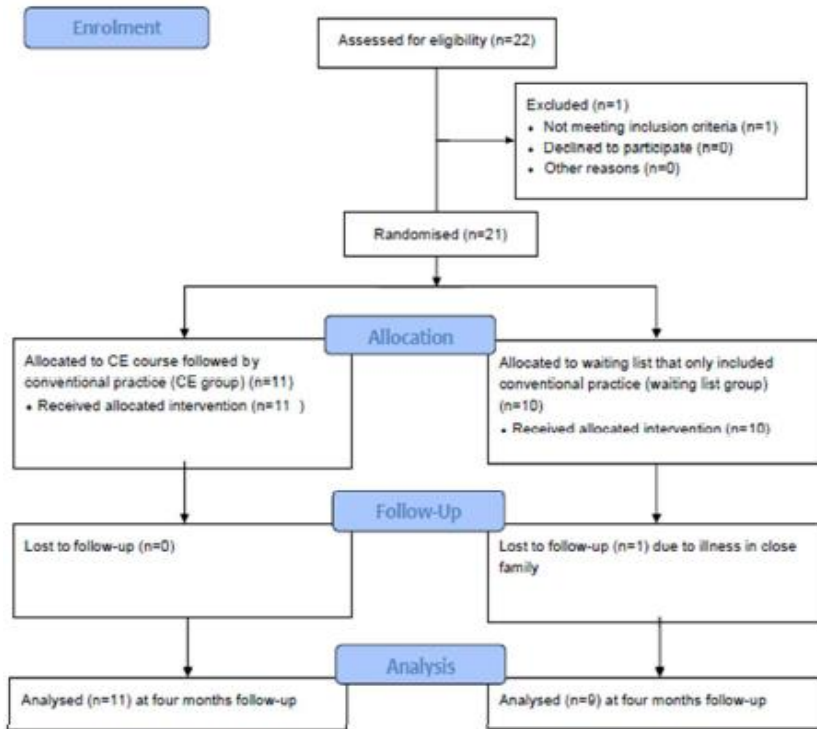
TABLE 4. Results for the parent-related outcomes

Outcomes	Study groups	Baseline			Mean change score			Differences in mean change (MD) score between groups at four months ^d			
		n	Mean score	SD	n	Mean change score	SD	p-value ^e	MD	95% CI	p-value
QOLS ^a total	CE group	11	84.00	13.27	11	-10.09	12.35	0.01	8.59	-3.98, 21.17	0.17
	Waiting list group	10	82.50	12.60	8	-1.50	13.48	0.59			
MPOC-20 ^b , scale 1 (Enabling and partnership)	CE group	11	3.85	1.30	11	0.39	1.41	0.28	-1.32	-2.62, -0.02	0.05
	Waiting list group	10	3.96	1.60	9	-0.92	1.34	0.13			
MPOC-20, scale 2 (Providing general information)	CE group	11	2.76	1.51	11	-0.20	1.77		0.18	-1.21, 1.57	0.79
	Waiting list group	10	3.26	1.56	9	-0.02	0.99				
MPOC-20, scale 3 (Providing specific information about the child)	CE group	11	4.45	1.42	11	0.72	1.53	0.09	-1.52	-2.69, -0.35	0.01
	Waiting list group	10	4.20	1.52	9	-0.79	0.71	0.02			
MPOC-20, scale 4, (Coordinated and comprehensive care)	CE group	11	4.91	1.02	11	-0.41	1.16		0.63	-0.64, 1.90	0.31
	Waiting list group	10	4.45	1.41	9	0.22	1.54				
MPOC-20, scale 5, (Respectful and supportive care)	CE group	11	4.82	0.73	11	0.28	0.62		0.03	-0.64, 0.69	0.93
	Waiting list group	10	4.73	0.95	9	0.31	0.79				

^aQOLS score 1=not satisfied at all, 7=very satisfied; ^bMPOC-20 Score 0 = not applicable; 1 = does not happen at all; 2 = happens to a very small extent; 3 = happens to a small extent; 4 = happens to some extent; 5 = happens to a fairly great extent; 6 = happens to a great extent; 7 = happens to a very great extent; ^canalysed using Wilcoxon Signed Rank test; ^d analysed using two sample t-test

Figure 1. Flow diagram

FIGURE 1. Flow Diagram



Questions in the log

Welcome to log training and other rehabilitation interventions in the PTØ-study!

We ask you to fill in this log once every month as long as your child is included in the PTØ-study. The aim of this log is to gain more knowledge about what type of training and other rehabilitation interventions your child have performed/received, between the CE courses or at the waiting list. When your child is at the CE course, you are not supposed to fill in the log.

Please log all training performed at home, in the kindergarten, at the physiotherapy centre or in other places.

Please tick off the relevant option.

Question 1. How many times has your child performed gross motor training (e.g., lifting up the head, sitting, walking and standing) the last week? Only one option is available.

1. None
2. 1-2 times per week
3. 3-6 times per week
4. Every day
5. Several times per day
6. Do not know

Question 2. Who has trained the child? Several options are available.

1. The parents
2. Assistant
3. Preschool teacher/special educator
4. Physiotherapist
5. Other
6. Do not know

Question 3. How many times has your child performed fine motor training (e.g., grasping, releasing, cutting, threading beads, drawing) the last week? Only one option is available.

1. None

2. 1-2 times per week
3. 3-6 times per week
4. Every day
5. Several times per day
6. Do not know

Question 4. Who has trained the child? Several options are available.

1. The parents
2. Assistant
3. Preschool teacher/special educator
4. Occupational therapist
5. Physiotherapist
6. Others
7. Do not know

Question 5. How many times has your child performed language and speech training (e.g., sounds, words, naming things, sing, ask for something) the last week? Only one option is available.

1. None
2. 1-2 times per week
3. 3-6 times per week
4. Every day
5. Several times per day
6. Do not know

Question 6. Has your child performed alternative communication training (e.g., sign language, use of photos, pictogram, and voice machine) the last week?

1. Yes
2. No

Question 7. Who has trained the child? Several options are available.

1. Parents
2. Other family members
3. Assistant
4. Preschool teacher/special educator
5. Occupational therapist
6. Others
7. Do not know

Question 8. How many times has your child performed training on eating and drinking the last week?
Only one option is available.

1. None
2. 1-2 times per week
3. 3-6 times per week
4. Every day
5. Several times per day
6. Do not know

Question 9. Who has trained the child? Several options are available.

1. Parents
2. Other family members
3. Assistant
4. Occupational therapist
5. Physiotherapist
6. Others
7. Do not know

Question 10. How many times has your child performed training of getting dressed and undressed the last week? Only one option is available.

1. None

2. 1-2 times per week
3. 3-6 times per week
4. Every day
5. Several times per day
6. Do not know

Question 11. Who has trained the child? Several options are available.

1. Parents
2. Other family members
3. Assistant
4. Occupational therapist
5. Physiotherapist
6. Preschool teacher/special educator
7. Others
8. Do not know

Question 12. How many times has your child performed training on playing skills (e.g., building, puzzles, playing with dolls, role-play) the last week? Only one option is available.

1. None
2. 1-2 times per week
3. 3-6 times per week
4. Every day
5. Several times per day
6. Do not know

Question 13. Who has trained the child? Several options are available.

1. Parents
2. Other family members
3. Assistant

4. Preschool teacher/special educator
5. Occupational therapist
6. Others
7. Do not know

Question 14. How many times has your child performed training of social skills (e.g., played with children or adults, participated in conversations) the last week? Only one option is available.

1. None
2. 1-2 times per week
3. 3-6 times per week
4. Every day
5. Several times per day
6. Do not know

Question 15. Who has trained the child? Several options are available.

1. Parents
2. Other family members
3. Assistant
4. Preschool teacher/special educator
5. Others
6. Do not know

Question 16. How many times has your child participated in physical activities (e.g., swimming, riding, sledding, biking)? Only one option is available.

1. None
2. 1-2 times per week
3. 3-6 times per week
4. Every day
5. Several times per day

6. Do not know

Question 17. Have you participated in parent education, attended courses or received other parent training the last week?

1. No
2. Yes.

Question 18. What was the topic of the parent training?

.....(please write here)

Question 19. Which professionals or agencies have you been in contact with the last week? Several options are available.

1. Physiotherapist
2. Special educator
3. Occupational therapist
4. Medical doctor
5. Psychologist
6. Personal coordinator (multidisciplinary team/individual plan)
7. Norwegian labour and welfare administration (NAV)
8. Paediatric rehabilitation service
9. Others, whom...

Only answer the next questions after you have attended a CE course

Question 20. How often has your child used CE-equipments (e.g., slatted wooden tables, ladder-back chairs) the last week? Only one option is available.

1. None
2. 1-2 times per week
3. 3-6 times per week
4. Every day
5. Several times per day
6. Do not know

Question 21. How often have you used song, rhythm, or rhyme the last week that your child has learned on a CE course? Only one option is available.

1. None
2. 1-2 times per week
3. 3-6 times per week
4. Every day
5. Several times per day
6. Do not know

Question 22: Do you have any other information about your child's training or rehabilitation interventions the last week that you want to describe?

.....(please write here)

Thank you for completing the log!