

CO2 DIFFERENTIAL EFFECT OF TRANSDIAGNOSTIC COGNITIVE-BEHAVIOUR THERAPY ON HEALTH-RELATED QUALITY OF LIFE ACCORDING TO THE NUMBER OF ANXIETY COMORBIDITIES

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- Close to one in five individuals report a lifetime anxiety disorder^[1]. more severe clinical profile and lower quality of life^[2-3].
- Cognitive behavioural therapy (CBT) is recommended as a firstline psychological treatment for AD^[4-5].
- local availability, time constraint)^[7].
- Transdiagnostic CBT (tCBT) uses a single protocol which disorders with a **mixed group format**^[8].

OBJECTIVES



METHOD

A randomized controlled trial (2016-2018, NCT02811458) evaluated the effectiveness of tCBT (plus treatment-as-usual [TAU]) for adults with **anxiety disorders** against TAU alone through a multicentric pragmatic trial in community-based settings in three urban regions of the province of Quebec, Canada^[9].

Intervention

- tCBT: psychoeducation, cognitive restructuring, gradual exposure,
- Format: 12 weekly 2-hour sessions, 2 therapists, 8-10 participants.

Trial

- Recruitment: posters, social media, journal ads;
- Inclusion: 1) understanding, talking and writing French; 2)18 years of age or older and; 3) meeting DSM-5 criteria for **panic disorder**, agoraphobia, social anxiety disorder or generalized anxiety **disorder** according to the Anxiety and Related Disorders Interview Schedule for DSM-5;
- Exclusion: marked cognitive deficit; active suicidal intentions; psychosis; bipolarity disorder; substance abuse;
- Randomization: in block, on sites.

Secondary data analysis

- Baseline (T0), post-treatment (T1) and 4-month post-treatment (T2)
- EQ-5D-5L (index, visual analog scale, domains)

Coefficient (CI 95%) (adjusted for age, sex, taking psychotropic medication) (n=560)						
	Dependent variable – Visual analog scale	Dependent variable –	Dependent variable – 5-level domains* Reference category dependent variable: Level 1			
	visual analog scale					A (1
			Mobility	Usual activities	Pain/discomfort	Anx/dep
Time (ref = T0)						
Post-treatment (4 months)	3.160 (0.854 - 5.466)	-0.287 (-0.3920.181)	-0.034 (-0.455 - 0.387)	0.617 (0.304 - 0.930)	0.482 (0.169 – 0.694)	1.299 (0.957 – 1.642)
4-month post-treatment (8 months)	6.011 (3.706 - 8.317)	-0.408 (-0.5190.298)	0.349 (-0.138 - 0.837)	0.713 (0.390 - 1.035)	0.520 (0.222 – 0.817)	1.463 (1.124 - 1.802)
Group (ref = tCBT)						
TAU	-3.839 (-8.711 - 1.033)	0.178 (0.010 - 0.346)	0.060 (-1.293 - 1.413)	-0.521 (-1.391 - 0.349)	-0.318 (-1.074 - 0.438)	-0.514 (-1.160 - 0.133)
Number of anxiety disorders (ref = 1)						
2	-1.662 (-6.828 – 3.508)	0.098 (-0.060 - 0.255)	0.493 (-0.728 - 1.714)	-0.247 (-1.037 - 0.542)	-0.296 (-1.025 - 0.433)	-0.294 (-0.962 - 0.373)
3	-0.484 (-6.147 – 5.178)	0.027 (-0.161 - 0.215)	0.547 (-1.372 - 2.466)	-0.444 (-1.297 - 0.408)	0.351 (-0.533 - 1.234)	-0.429 (-1.201 - 0.343)
4	-11.063 (-18.2543.871)	0.366 (0.139-0.593)	-1.204 (-2.584 - 0.176)	-1.396 (-2.269 – -0.524)	-0.444 (-1.197 - 0.309)	-1.376 (-2.349 - 0.403)
Interaction						
Group TAU * 2	-1.001 (-8.316 - 6.314)	0.028 (-0.190 - 0.246)	-1.509 (-2.812 - 0.695)	-0.035 (-1.106 - 1.037)	0.126 (-0.907 - 1.158)	- 0.164 (-1.097 - 0.769)
Group TAU * 3	1.329 (-6.906 - 9.564)	-0.008 (-0.271 - 0.254)	-0.722 (-3.129 – 1.685)	0.664 (-0.515 - 1.844)	-0.598 (-1.793 - 0.598)	0.206 (-0.931 - 1.343)
Group TAU * 4	8.475 (-2.193 - 19.143)	-0.091 (-0.442 - 0.259)	-0.655 (-2.809 - 1.478)	0.941 (-0.600 - 2.482)	-0.355 (-1.907 - 1.198)	0.746 (-0.599 - 2.090)

* Not enough variation in data to create a model for the self-care domain

DISCUSSION

- The presence of all anxiety disorders considered was associated with a change in the EQ-5D-5L Usual activities and Anxiety/depression domains.
- We did not find the presence of effect modification, i.e. the association between tCBT and HRQoL did not differ according to the number of anxiety disorders.

LIMITATIONS

- There was a 20% loss to follow-up at T2. Losses to follow-up were more likely not reporting psychotropic medication use, having a higher BAI at baseline and being in the tCBT group. The findings may be subject to a selection bias.
- Future studies could also assess HRQoL with other instruments to replicate findings.
- Other aspects of quality of life should also be studied, such as positive self-image, hope, and feeling of being in control.

CONCLUSION

The prevalence of anxiety-anxiety comorbidity is common. tCBT can improve some domains of health-related quality of life, regardless of the number of comorbid anxiety disorders.



Economic evaluation Self-reported data









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