

## Anorexia Evaluation Table 2023: Mirtazapine

## **General Evidence**

Citation	Design/Method Sample/Setting	Variables and Intervention	Outcome Measures	Results/Analysis	Limitations	Quality and Nursing Implications
Hunter, C.N.,	Design: Double-blind	Independent	Appetite measured	Baseline characteristics were	Borderline small	The quality of evidence of this
Abdel-Aal, H.H.,	placebo-controlled	Variable(s):	on visual analog	equal with the exception of	sample size	trial is good. Methodology is
Elsherief, W.A.,	randomized	Mirtazapine	scale with scores	patient receipt of amitriptyline		sound and results are reported
Farag, D.E.,	controlled trial		ranging from 0-10	being more prevalent in the	Risk of bias in	reliably. It is uncertain if these
Riad, N.M., &		Dependent	(higher is better)	placebo arm and lean body	sample	findings that evaluated patients
Alsirafy, S.A.	Method: Participants	Variable(s):		mass being higher in	characteristics	with cachexia can be applied
(2021).	were randomized to	Appetite scores,	Functional	mirtazapine arm.		to the general population of
Mirtazapine in	receive mirtazapine	weight, lean body	Assessment of		Missing outcome	patients with cancer and
cancer-	15 mg or placebo	mass, hand grip	Anorexia-Cachexia	No significant difference in	measures in	anorexia.
associated	daily for 8 weeks.	strength, depression	Therapy (FAACT)	outcome measures between	11.5% of patients	
anorexia and		score, quality of life,	(anorexia/cachexia	groups.	who received the	This study does not show any
cachexia: A	Sample: n =120	fatigue, adverse	subscale)		study drug at	significant findings that would
double-blind	patients with	events (AEs), overall		Appetite scores increased in	least once	warrant a change in practice or
placebo-	incurable solid tumors	survival,	Hospital Anxiety	mirtazapine arm (p < 0.0001)		educational opportunities for
controlled	receiving active	inflammatory	and Depression	and placebo arm (p < 0.0001).		helping patients manage
randomized	treatment with a	markers	Scale (HADS-D)	from baseline to day 28.		cancer-related anorexia. It is
trial. Journal of	mean age of 54					important to recognize that the
Pain and	years, 72% male,	Intervention:	Body weight and	Both groups had significant		results do not support offering
Symptom	28% female.	Mirtazapine 15 mg	lean body mass	improvement in body weight		mirtazapine for anorexia in
Management,		versus placebo		and other secondary outcome		patients with advanced cancer
62(6), 1207–	Setting: Single	orally once daily at	Hand grip strength	measures at 2 months		and cachexia, considering the
1215.	center in Egypt.	bedtime for 28 days,	with hand	compared to baseline without		lack of benefit compared to
https://doi.org/10.		followed by optional	dynamometer	significant differences between		placebo and risk for side
<u>1016/j.jpainsym</u>		additional 28 days		groups.		effects. However, prescribing
man.2021.05.01			AEs reported using			mirtazapine for depressive
<u>/</u>			Common	Increase in mean HADS-D		symptoms, as the medication
			Terminology	score was less in the		is intended, was shown to
			Criteria for Adverse	mirtazapine arm ( $p = 0.0002$ ).		have a significant effect and
			Events			therefore gave nurses
				Sleepiness was greater and of		confidence in this medication
			Overall survival	nigher grade in the mirtazapine		for treatment of depression.
			Inflommatory	tramera (2 of 48 or 6 20()		
				1000000000000000000000000000000000000		
			markers (CRP, IL-	C 20() and apparent dragges 1		
			0, TKL-40)	0.2%, and approximation of 48 or $2/1%$ ) were higher in		
				the mirterenine erm		
				the mirtazapine arm.		