

Anorexia Evaluation Table 2023: Oral Nutritional Interventions

General Evidence

Citation	Design/Method Sample/Setting	Variables and Intervention	Outcome Measures	Results/Analysis	Limitations	Quality and Nursing Implications
Abdollahi, R., Najafi, S., Razmpoosh, E., Shoormasti, R.S., Haghighat, S., Raji Lahiji, M., Zarrati, M. (2019). The effect of dietary Intervention along with nutritional education on reducing the gastrointestinal side effects caused by chemotherapy among women with breast cancer. <i>Nutrition</i> <i>and Cancer</i> , <i>71</i> (6), 922–930. https://doi.org/10.1 080/01635581.201 9.1590608	 Design: Randomized controlled prospective study Method: 10-week face-to-face education sessions with dietitian provided to intervention group. Standard card provided to control group. Sample: 150 women with breast cancer undergoing chemotherapy (mean age = 46.8 years) Setting: Single center, University of Medical Sciences, Tehran, Iran 	Independent Variable(s): Dietary education Dependent Variable(s): Primary: Chemotherapy-induced nausea and vomiting (CINV), diarrhea Secondary: Weight, constipation, reflux, dyspepsia, anorexia, gastritis, chest pain Intervention: Standardized education and dietary recommendations provided for 10 weeks in 60 minute in-person sessions with dietitian prior to chemotherapy. Education consisted of eating and drinking strategies to reduce gastrointestinal distress, recommendations for diarrhea management and reflux prevention, and included an instructive pamphlet. Control group had standard education and no written pamphlet, and participants were asked not to change usual diet.	Investigator designed a 12- question auestionnaire based on the Rome III criteria. The questionnaire had Cronbach's alpha scores for reliability above 0.1 for all major symptoms measured in the tool.	The intervention had a significant decreased effect on affirmative responses for the side effects of reflux, dyspepsia, anorexia, nausea, constipation, and diarrhea when comparing the 2^{nd} and 4^{th} chemotherapy cycles, referred to as "time 1" and "time 3." Anorexia Intervention: time 1: 63%; time 3: 28.8%, p < 0.001 Control: time 1: 70.1%; time 3: 74.6%, p = 1.00 Reflux Intervention: time 1: 35.6%; time 3: 24.7%, p = 0.05 Control: time 1: 71.6%; time 3: 71.6 %, p = 1.0 Dyspepsia Intervention: time 1: 57.5%; time 3: 31.5%, p < 0.001 Control: time 1: 77.6% time 3: 80.6%, p = 0.77 Nausea Intervention: time 1: 50.7%; time 3: 28.8%, p = 0.002 Control: time 1: 76.1%; time 3: 76.1%, p = 1.00 Constipation Intervention: time 1: 58.9%; time 3: 30.1%, p < 0.001 Control: time 1: 76.1%; time 3: 80.6%, p = 0.58 Diarrhea Intervention: time 1: 34.2%; time 3: 6.8%, p < 0.001 Control: Time 1: 38.8%; time 3: 34.8%, p = 0.64	Findings are not generalizable beyond women with breast cancer. Risk of bias for no blinding and no attentional control condition Lacking measurement at extended time points	Methodology was sound. The results were reported without bias and with reliability. The intervention is feasible, limited to women and to those with breast cancer for applicability. Nurses are positioned to provide nutrition education when necessary or to support this intervention. This is an intervention that nurses could initiate if a dietitian is unavailable or that nurses could follow up on when they see patients for chemotherapy.

Zietarska. M	Design:	Independent	Bodv mass	72 patients completed the study: 38 in the	Small sample size	Methodology could be
Krawczyk-Lipiec.	Randomized study	Variable(s): High-	index, weight	intervention group and 34 in the control	with unblinded	more vigorous if study
J., Kraj, L.,	3	protein nutritional	loss (10% over	group.	treatment	were blinded. The
Zaucha, R., &	Method:	support supplement	previous 6		intervention	results of the study
Małgorzewicz, S.	Participants took		months), food	After 12 weeks, the nutritional support		were reported with
(2017).	either oral high-	Dependent	intake	group had increased appetite on VAS (p =	Attrition: 19%	reliability.
Chemotherapy-	protein nutritional	Variable(s):		0.05), increased SGA score (p=0.015) and	withdrew from	,
related toxicity.	support or placebo	Precachexia and	Subiective	increase in albumin and prealbumin levels.	intervention aroup	The statistically
nutritional status,	during 12-week	chemotherapy	Global	and the control group had stable nutritional	because of taste	significant increases
and quality of life	period with outcome	toxicity	Assessment	status.	and difficulty taking	in appetite, SGA
in precachectic	measures for	, ,	(SGA):		the dose, and 29%	scores, and albumin
oncologic	precachexia and	Intervention:	6–7 points =	Improvement was noted in the intervention	withdrew from	and prealbumin levels
patients with, or	chemotherapy	Treatment	well nourished	group over control group on the SGA (6.8	control group.	contribute to the
without, high	toxicity.	participants took 125	3–5 points =	versus 5.1, p = 0.004), appetite increased	. .	worth of nutritional
protein nutritional	-	ml twice daily (a total	moderately	in the intervention group at 8 weeks (9.3	Reliance on	support to clinical
support. A	Sample: 95 adult	of 250 ml/day) of a	malnourished	compared to 5.7, $p = 0.001$) and 12 weeks	patient-reported	practice.
prospective,	patients with stage	high-energy (300	1–2 points =	(7.7 compared to 5.9 points, p = 0.001)	consumption.	
randomized	II–IV colorectal	kcal), high-protein	severely	compared to control.		For asymptomatic
study. Nutrients,	cancer (CRC)	(18 gm) oral liquid	malnourished		Baseline	adult patients with
<i>9</i> (10), 1108.	receiving FOLFOX	nutritional		FAACT scores were stable between groups	performance status	precachexia who do
https://doi.org/10.	or FOLFIRI	supplement for 12	Visual analog	at 1 st and 4 th visits.	of both groups was	not have
<u>3390/nu9101108</u>	chemotherapy	weeks. Participants	scale (VAS) for		greater than 90%,	contraindications or
	regimens	were evaluated a	appetite:		which may not be	severe concomitant
		total of 4 times	0 = no appetite		reflective of the	diseases and who
	Setting: Oncology	(every 4 weeks)	100 = very		larger population.	want to be proactive,
	department in	prior to scheduled	good appetite			high-protein
	Medical University of	chemotherapy				nutritional support is
	Gdansk in Poland	during the 12-week	Functional			an option with fully
		study.	Assessment of			informed pros and
			Anorexia-			cons. The
			Cachexia			investigators declared
			Therapy			that supplements
			(FAACT)			were "tolerable," but
						there was significant
			Karnofsky			attrition among
			Performance			participants because
			Status (KPS)			of taste and difficulty
			-			taking the dose,
			i olerability and			which may affect
			Intake			uptake in clinical
			compliance			practice. This study
			assessment			usea supplement
						packets, so questions
						or availability, cost,
						coverage need to be
						considered.