

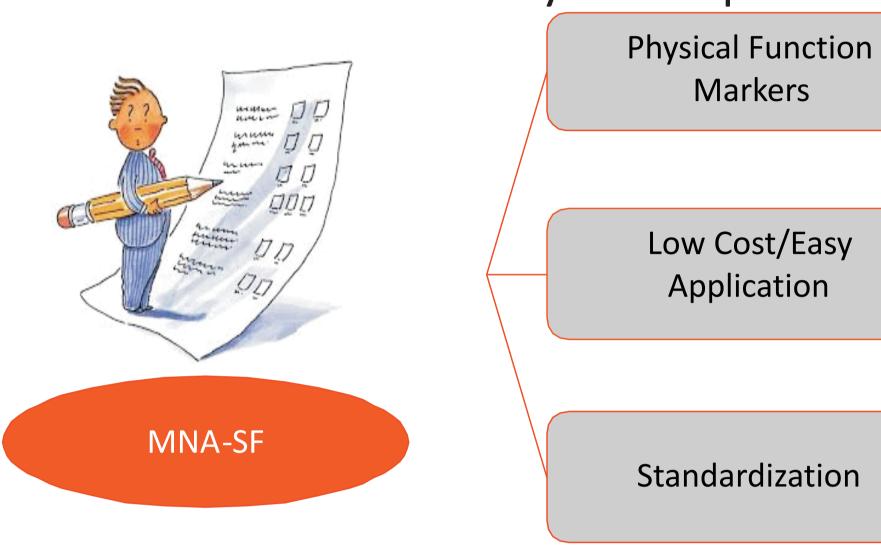
Frailty Phenotype and Mini Nutritional Assessment in elderly cancer patients: is it the same thing?

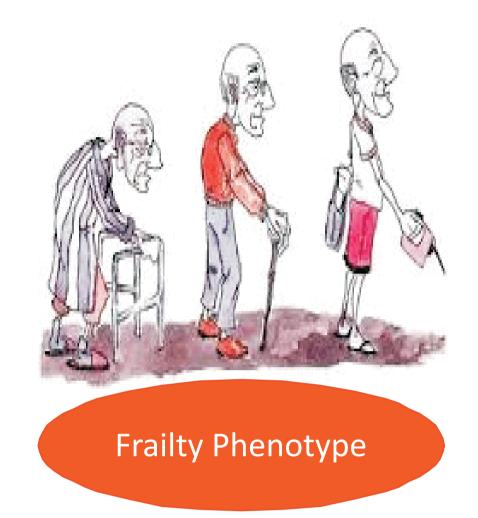
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INTRODUCTION

Frailty is a syndrome of decreased reserves and resistance to stress, causing vulnerability to adverse events (Fried et al., 2001). One of the factors that may be related to frailty is impaired nutritional status, which is often observed in elderly cancer patients.





The objective of the study was to evaluate the prevalence of Frailty Phenotype (FP) and Mini Nutrition Assessment – Short Form (MNA-SF) in elderly people with cancer, and to investigate the association of both tools.

METHOD Robust = 0**Frailty Phenotype** Prefrail = 1 or 2(FRIED et al., 2001) Frail = 3

- Non-intentional Weight Loss (WL)
- *Weakness/Hand Grip Strength Reduction (HGS)
- Sowness/Walking Velocity Reduction (WV)
- *Low Physical Activity (PA) IPAQ
- Fatigue Reported

RESULTS

We studied 200 patients with mean age of 72.5 years (±5.3). Tumors of the digestive system were the most frequent, followed by respiratory system, oral cavity and pharynx. Most of the participants were diagnosed at the initial stage of cancer. There was a higher frequency of elderly patients during treatment. The majority of patients were classified as risk of undernutrition or undernutrition. Prevalence of prefrail was 57.5% and frail patients was 18.5%. About the components of the FP, it can be observed that the most frequent was weight loss. The FP score had a negative association with MNA-SF (r=-0.419, P<0.001), and this tool was not accurate enough to identify frailty elderly (ROC=0.657, P=0.003).

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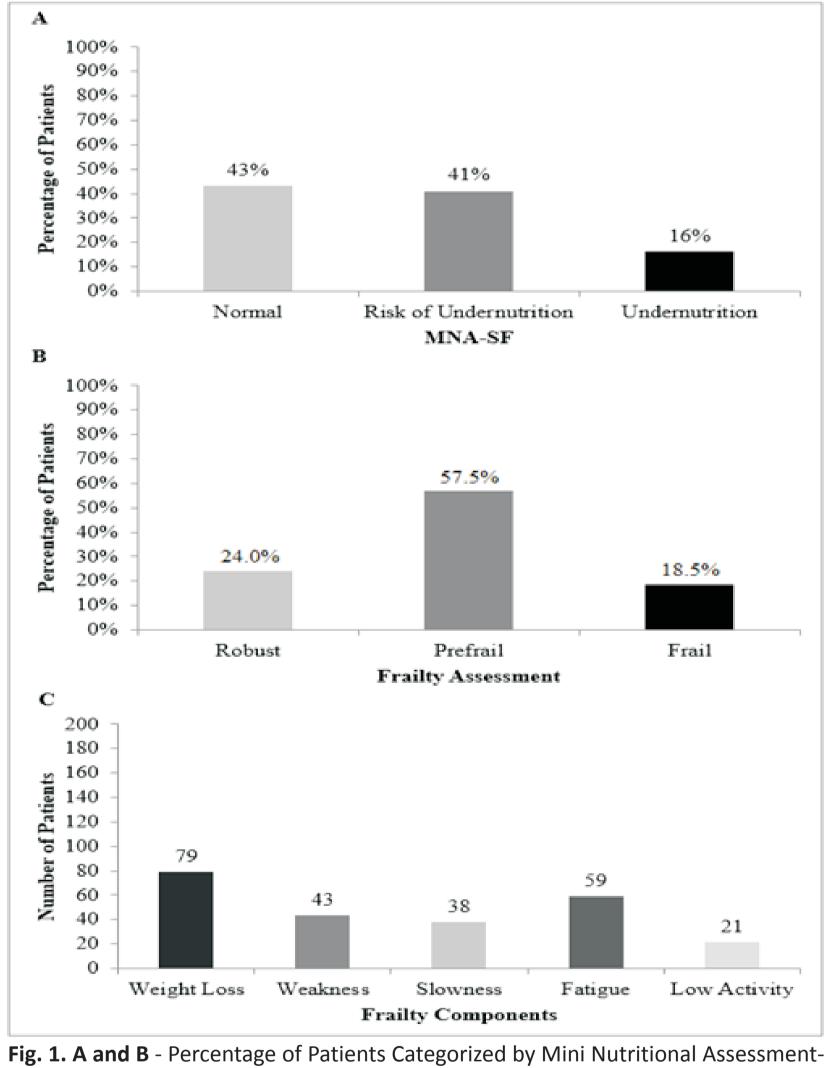
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Table 1. Demographic and Clinical Characteristics of Elderly Patients with Cancer (n=200).

VARIABLES		n (%)	VARIABLES		n (%)
General Data			Disease Information	ion	
Age, years - Mean (SD)		72.5 (5.3)	Tumor Sites	Digestive System	127 (63.5)
Sex	Male	107 (53.5)		Respiratory System Oral Cavity and Pharynx	22 (11.0) 15 (7.5)
	Female	93 (46.5)		Male Urogenital System	11 (5.5)
Smoking	Yes	117 (58.5)		Hematologic Skin and Melanoma	11 (5.5) 5 (2.5)
	No	83 (41.5)		Urinary System	5 (2.5)
Alcoholism	Yes	17 (8.5)		Others*	4 (2.0)
	No	99 (49.5)	Cancer Stage (n = 196)	Initial**	105 (53.6)
	Ex	84 (42.0)		Advanced***	91 (46.4)
Comorbidities	Yes	149 (74.5)	Presence of	Yes No	40 (20.0) 160 (80.0)
	No	51 (25.5)	Metastasis		
Family History of	Yes	100 (50.0)	Time of Cancer	Pretreatment	27 (13.5)
				Ongoing Treatment	92 (46.0)
Cancer	No	100 (50.0)	Treatment	Post treatment	81 (40.5)

SD, standard deviation. *Thyroid and female gynecological tumor; **Stages I e II; ***Stages III e IV.



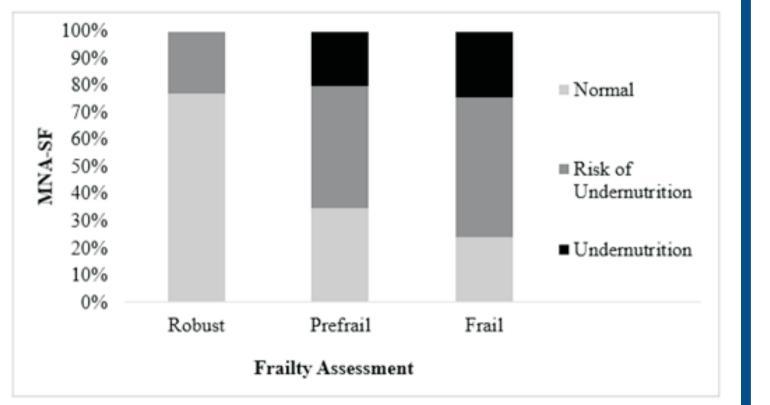
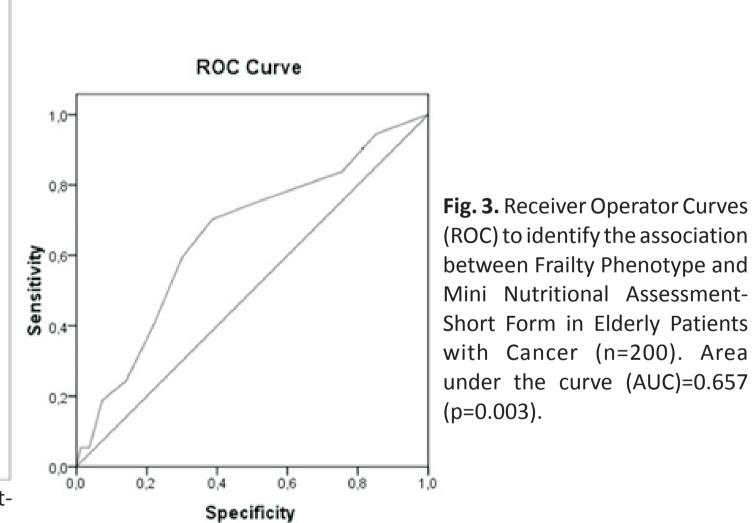


Fig. 2. Frailty Assessment vs. Mini Nutritional Assessment-Short Form (MNA-SF) in Patients Elderly with Cancer (n=200) ($^2=p<.001$).



Short Form (MAN-SF) and by Frailty. C - Number of Patients Categorized by Frailty Components (n=200).

CONCLUSION

The findings are clinically important and are based on the proposal of the incorporation of MNA-SF and FP into the practice of care for elderly cancer patients, since these tools provide information that can be used in the selection of treatment and in the adaptation of therapeutic interventions to groups with impaired nutritional status or some degree of frailty. It is concluded that MNA-SF does not substitute the FP and the application of both tools may contribute to the development of individualized and more effective therapeutic plans. It is suggested that new studies with elderly cancer patients on the subject in question be performed.

Projeto Gráfico: Área de Edição e Produção de Materiais Técnico-Científicos / INCA





