BACKGROUND

- Multiple myeloma (MM) is the second most common hematologic malignancy in the US.¹
- Median age at diagnosis of 70.¹
- There is substantial heterogeneity in aging -- not be captured by chronologic age alone.
- Geriatric assessment (GA)- multidimensional and multidisciplinary tool to provide a comprehensive overview of an older person's functional abilities, physical performance, nutritional status, comorbidities, cognition, psychological state, and social support.²
- Preliminary data from our clinic demonstrates significant rates of baseline impairment among adults treated for MM and other plasma cell diseases (PCD) (Figure 1).
- Among patients with MM, deficits identified via GA predict treatment tolerance and survival.³
- Clinic-based interventions targeting these deficits have not been thoroughly evaluated.

METHODS

- We plan to test a clinic-based program to address GAidentified deficits in adults 65 and older treated for MM via a single-arm prospective trial.
 - Patients will complete a baseline GA
 - Patients with deficits will be referred to evidence-based interventions (Figure 2).
 - Patients will complete a follow-up GA 3 months from baseline.
- Patient satisfaction with the intervention(s) will be assessed via questionnaire.



SCHOOL OF MEDICINE

Protocol for geriatric-assessment-guided interventions to address functional deficits in older adults undergoing treatment for myeloma: Feasibility and preliminary efficacy Christopher E. Jensen, Kirsten A. Nyrop, Yi T. Chen, Allison M. Deal, Sascha A. Tuchman

AIMS

- 1) Assess the feasibility of the clinic-based intervention program by measuring adherence to, and satisfaction with, recommended interventions.
- 2) Assess preliminary efficacy of interventions by exploring changes in GA domains and symptom measures before and 3 months after intervention

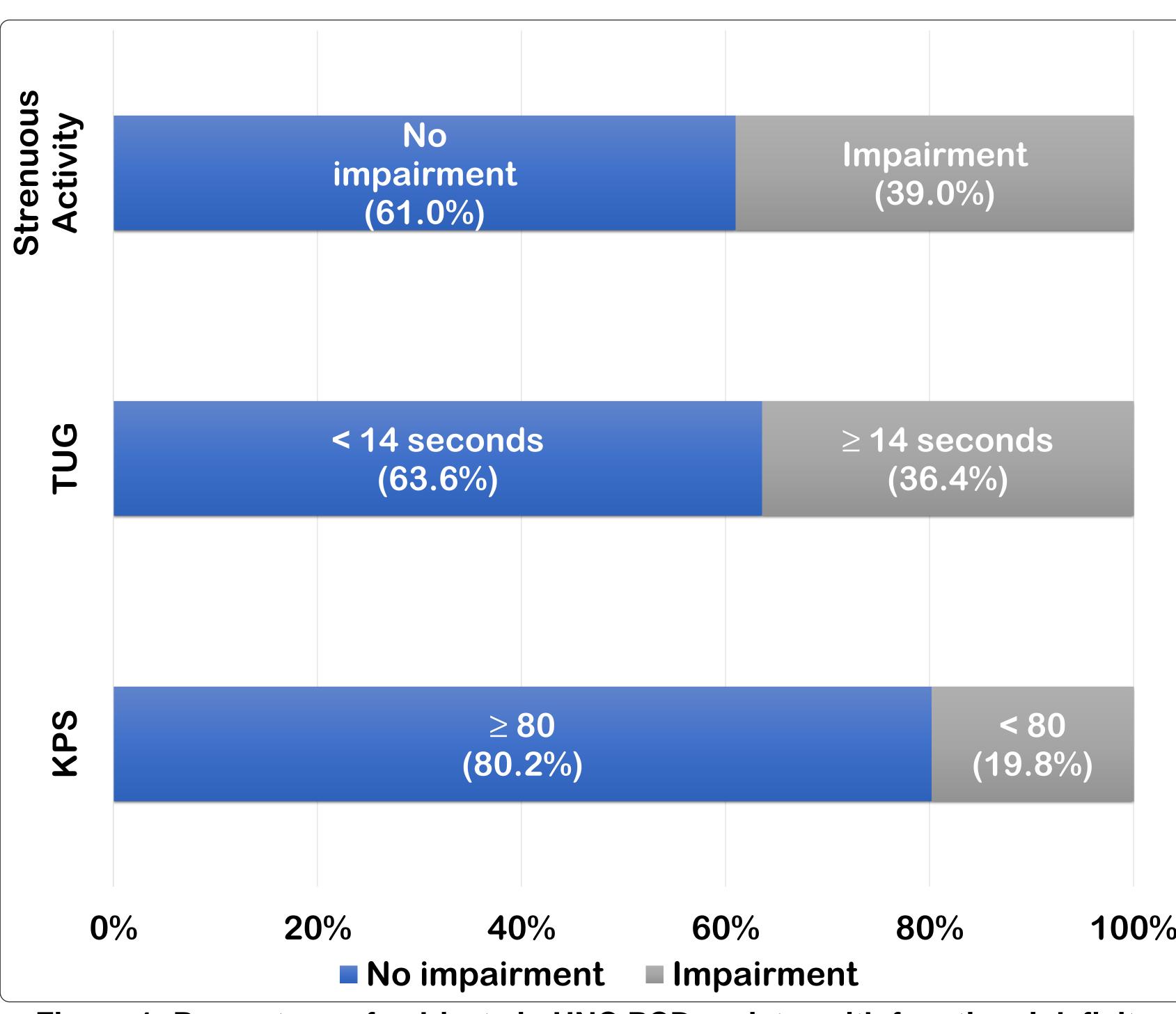


Figure 1: Percentage of subjects in UNC PCD registry with functional deficits using TUG - Timed Up and Go test; KPS - Karnofsky Performance Status; Strenuous activity impairment defined as response of "quite a bit" or "very much" to EORTC QLQ C30 questionnaire, item #1 ("Do you have any trouble doing strenuous activities, like carrying a heavy shopping bag or a suitcase?")

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	GA Domain Function
	Cognition
	Comorbidities
	Polypharmacy Psychological
	Nutrition
	Social
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	Measures	Interventions	
	KPS & Patient-rated KPS	Physical and/or	
	ADLs / IADLs	occupational therapy	
	Timed Up and Go	Check vitamin D and	
	Falls in past 6 months	replete	
	MOCA	Memory disorders clinic	
	BOMC		
	Eyesight	Optometry	
	Hearing	Audiology	
	Medical comorbidity	Formal geriatric	
	assessment	consultation	
	Number of daily medications	Clinical pharmacist	
	PROMIS depression	Cancer center support	
	PROMIS anxiety	program	
	Body Mass Index	Nutritionist	
	Unintentional weight loss		
	PROMIS Emotional support	Social work, Cancer	
		Center Support Program,	
	PROMIS Social isolation	or Patient & Family	
		Resource Center	
^ -	Functional-impairment quided interventions		

2: Functional-impairment guided interventions.

Hypotheses

esis is that brief assessments of deficits and ral can be completed during a clinic visit, and atients with MM will engage in recommended S.

ypothesize that these interventions will result t improvement in relevant functional domains ents referred for interventions.

REFERENCES

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