Frail Elderly Patient Outcomes On Dialysis (FEPOD)
• Descriptive Analysis Of Secondary Outcomes

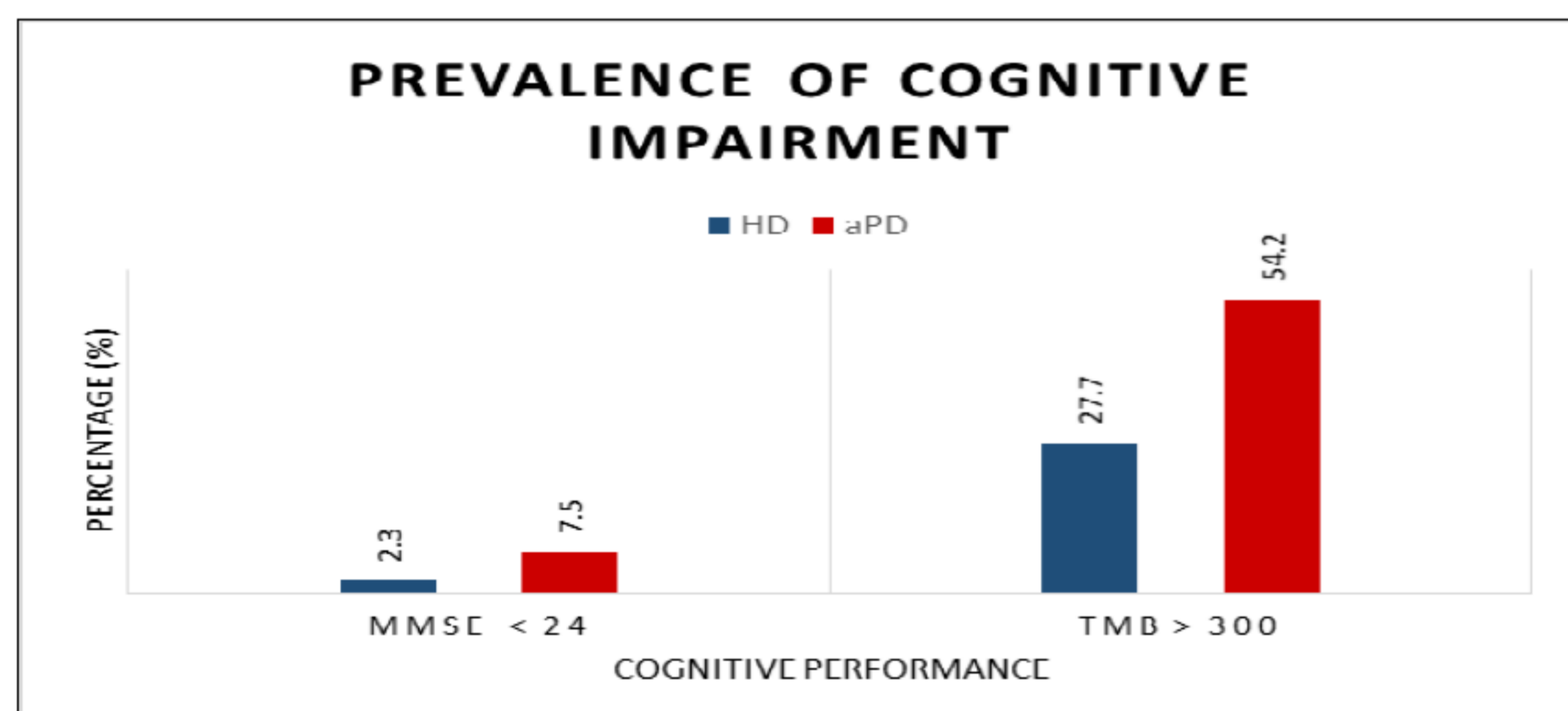**Brown E.A., Iyasere O, Johansson L, Smee J, Huson L and FEPOD 1 Investigators**
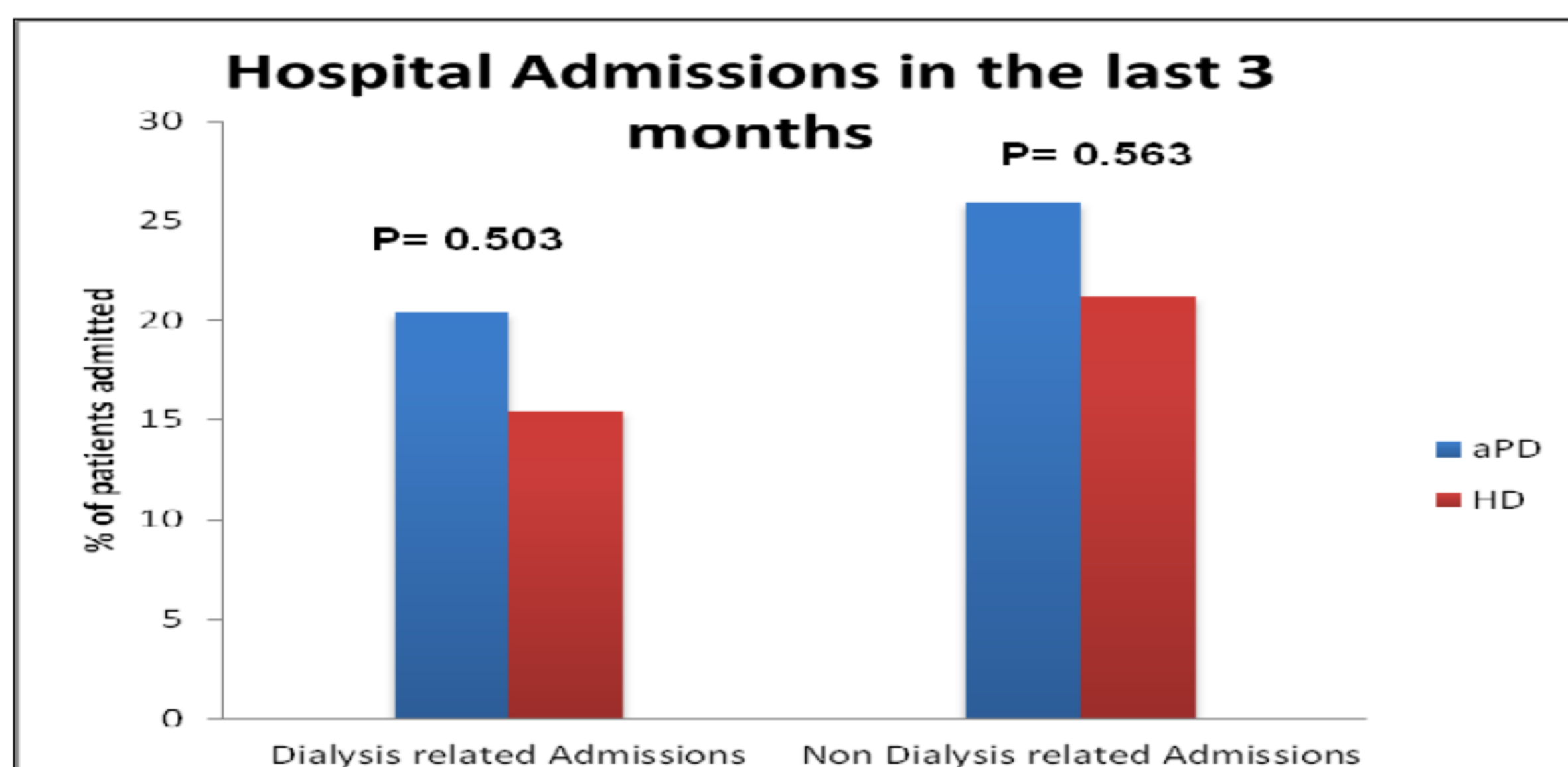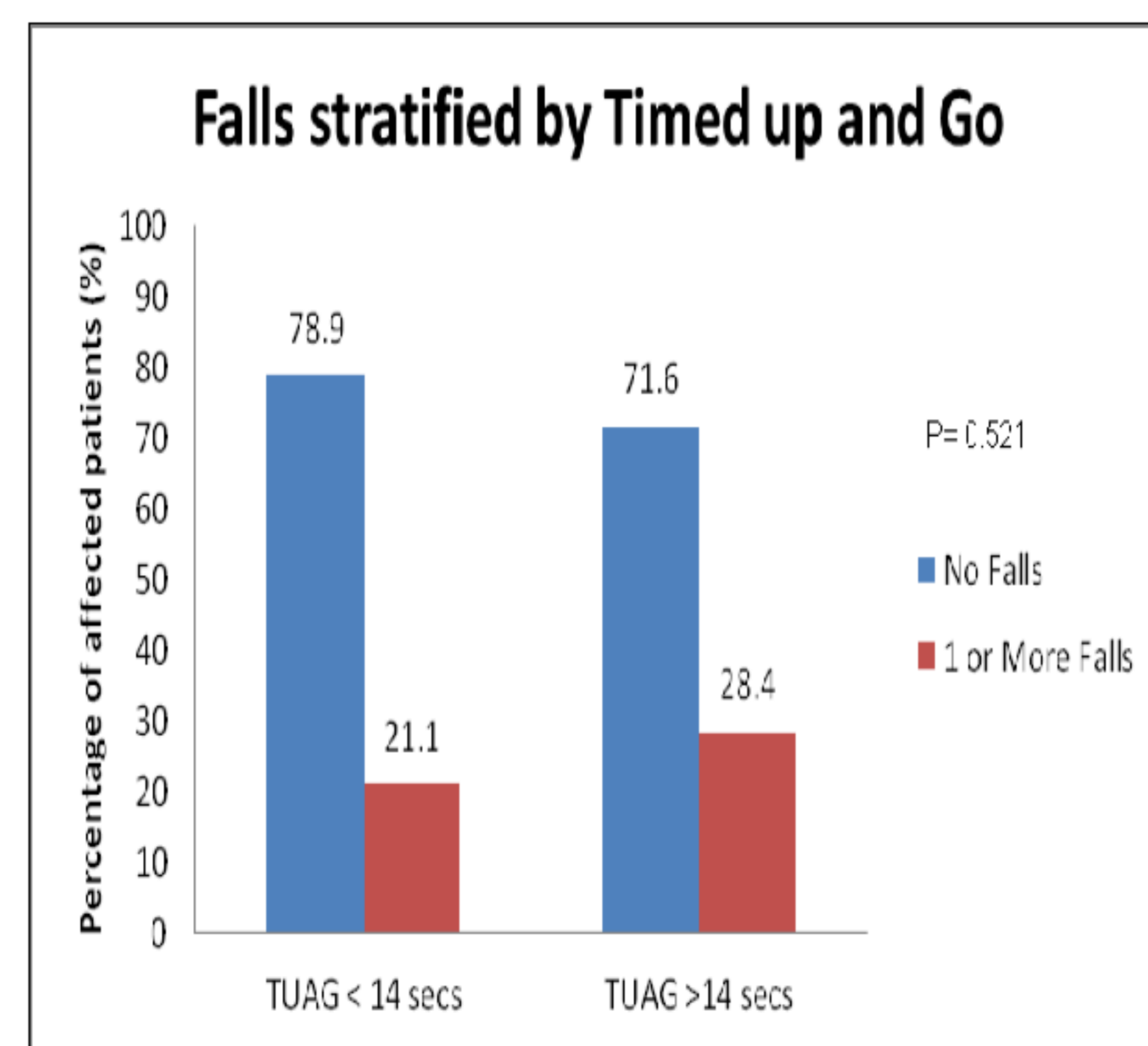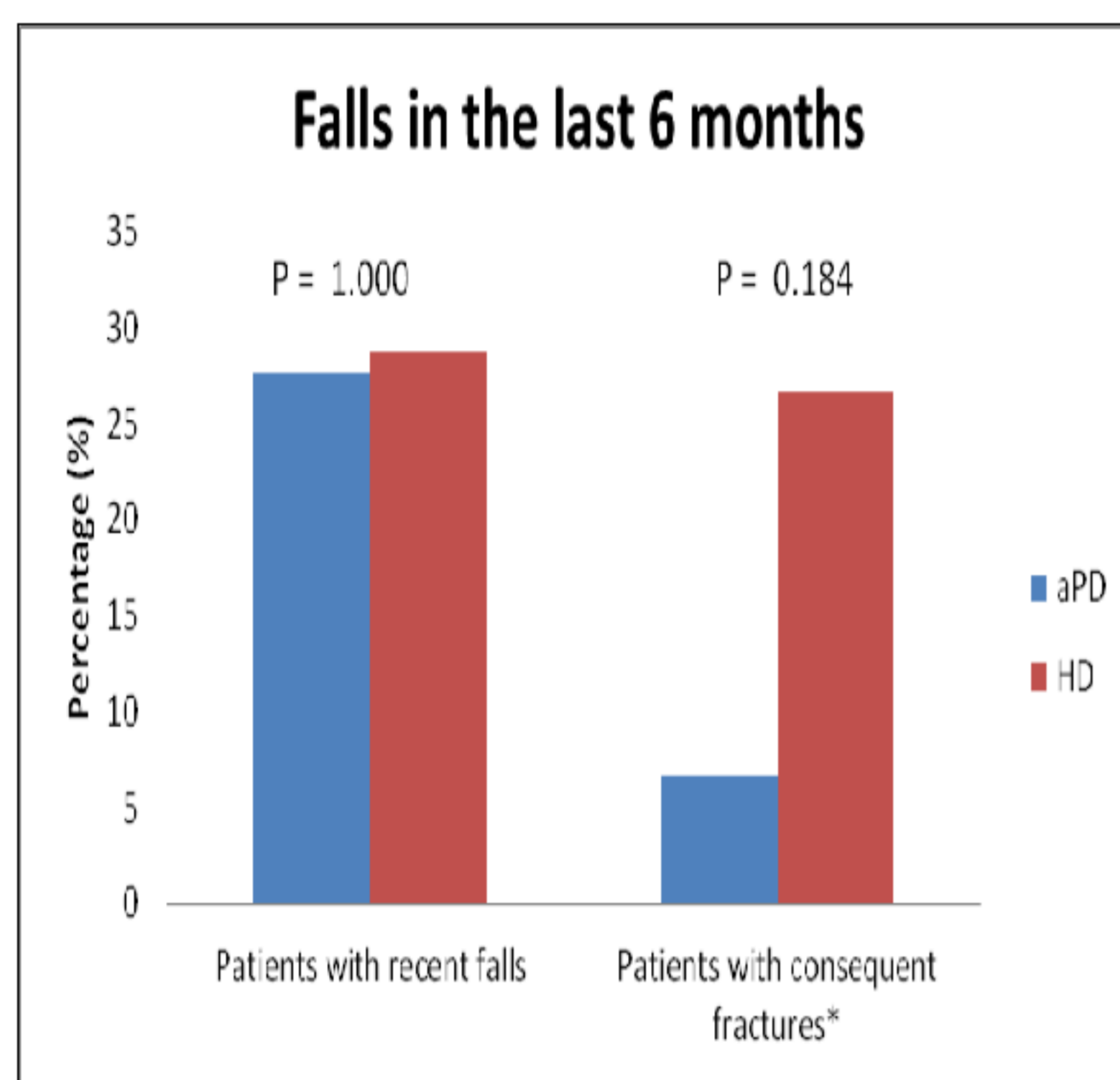
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OBJECTIVES

• Assisted peritoneal dialysis (aPD) with the aid of a paid carer or family member allows such patients to dialyse at home and is increasingly available in the UK. But the lack of comparative data has limited its expansion.

• Primary outcomes of study were quality of life, physical function and depression

• The secondary outcomes include falls, cognitive function, hospital admissions, satisfaction score and symptom burdens

METHODS

• Assisted PD defined as unable to do PD unless assisted by family or paid healthcare worker

• Assisted HD defined as hospital HD requiring hospital-supplied transport

• Assisted PD patients matched to assisted HD patients by gender, age, diabetes status, time on dialysis, ethnicity, index of deprivation by postcode

Baseline Characteristics	HD (n = 52)	aPD (n = 54)	P value
Mean Age in years (SD)	74.1 (7.85)	74.1 (7.62)	0.958
Female (% of n)	38.5%	40.7%	0.810
Ethnicity (% of n)			0.129
Caucasian	71.7%	69.8%	
Afro-Caribbean	15.1%	11.3%	
Asian	7.5%	18.9%	
Other	6.7%	0.0%	
Diabetes	51.9%	50.0%	0.843
Median Stoke Comorbidity Score(IQR)	2 (1)	2 (2)	0.414
Median Frailty Score (IQR)	4 (2)	5 (2)	0.024
Frailty score ≥ 5 (mild to severe frailty)	41.5%	58.5%	0.078
Median Dialysis Vintage (months) (IQR)	18 (21)	22 (23)	0.055
Median Index of Deprivation*	16.78(21.7)	19.74 (23.15)	0.748
Social support Residence			0.238
Own Home	84.6%	94.2%	
Warden controlled	13.5%	5.8%	
Nursing home	1.9%	0.0%	
Living alone	32.7%	20.4%	0.146
Help from friends /family	61.5%	62.9%	0.880
Paid help	28.8%	40.8%	0.106

Falls in the last 6 months

Falls stratified by Timed up and Go

Hospital Admissions in the last 3 months

PREVALENCE OF COGNITIVE IMPAIRMENT

Symptom Burden and Satisfaction Score

Outcome	HD	aPD	P value
Symptoms			
Median Symptom score (IQR)	9(4)	10(6)	0.163
Median Symptom Count (IQR)	12.5(12)	16.5(13)	0.166
Most concerning symptom	Lethargy Poor mobility Pain	Lethargy Pain Poor mobility	
Mean Renal Treatment Satisfaction score (SD)	49.6 (8.9)	50.3 (9.7)	0.722
"I would recommend this treatment"	88.2%	94.3%	0.321

CONCLUSIONS

• There is a high prevalence of falls, symptom, executive function and hospital stay in frail older patients on dialysis regardless of modality.

• These should be highlighted when discussing management options for ESRD in these group of patients.

• FEPOD part 2 – a 2 year longitudinal prospective study - will provide data on the trajectory of these outcomes over time.

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