FALL RISK ASSESSMENT AND MANAGEMENT

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Objectives

Be able to:

- Identify appropriate fall risk <u>screening and assessments</u> that can be used in the elderly population.
- Describe ways to intervene to allow older adults to move safely in order to maintain function & participation in <u>what matters</u> to them.
- List the <u>benefits</u> of promoting fall prevention with the older individual.





- Falls are the leading cause of injury & injury related deaths in adults 65+ (CDC, 2019)
 - Between 2007–2016, fall death rates increased 31% (Burns, 2018)
 - 30 million falls/year (Florence, 2018); a fall death every 20 min
- Economic impact of falls = \$50 billion medical costs/yr
- Falls can lead to decrease in health, social interactions & mobility. Falls -> Fear of Falling -> decrease Mobility









Mrs. Parker – Medical History

- Type 2 diabetes
- Coronary artery disease/MI
- Paroxysmal atrial fibrillation
- Congestive heart failure
- Hypertension
- Hypertriglyceridemia
- Depression
- Osteoarthritis of hips/knees

- Macular degeneration
- Rotator cuff syndrome
- Sciatica
- Diverticulosis
- Osteopenia
- Gastroesophageal reflux di
- Cognitive disorders (not Dx)

What are your concerns regarding Mrs. Brown's medical history in relation to her recent fall?

Fall-Risk Screening What would be an appropriate question to ask to screen for fall-risk? Identify a self-assessment screening tool you might incorporate into her wellness visit to screen for fall risk?







	Check Y	our Risk	for Falling	
		Circle "	es" or "No" for each statement below	Why it matters
	Yes (2)	No (0)	I have fallen in the past year.	People who have fallen once are likely to fall again.
Mrs.	Yes (2)	No (0)	I use or have been advised to use a cane or walker to get around safely.	People who have been advised to use a cane or walker may already be more likely to fall.
Parker's	Yes (1)	No (0)	Sometimes I feel unsteady when I am walking.	Unsteadiness or needing support while walking are signs of poor balance.
Fall Dick	Yes (1)	No (0)	I steady myself by holding onto furniture when walking at home.	This is also a sign of poor balance.
	Yes (1)	No (0)	I am worried about falling.	People who are worried about falling are more likely to fall.
Score = 9	Yes (1)	No (0)	I need to push with my hands to stand up from a chair.	This is a sign of weak leg muscles, a major reason for falling.
	Yes (1)	No (0)	I have some trouble stepping up onto a curb.	This is also a sign of weak leg muscles.
	Yes (1)	No (0)	I often have to rush to the toilet.	Rushing to the bathroom, especially at night, increases your chance of falling.
	Yes (1)	No (0)	I have lost some feeling in my feet.	Numbness in your feet can cause stumbles and lead to fails.
	Yes (1)	No (0)	I take medicine that sometimes makes me feel light-headed or more tired than usual.	Side effects from medicines can sometimes increase your chance of falling.
	Yes (1)	No (0)	I take medicine to help me sleep or improve my mood.	These medicines can sometimes increase your chance of falling.
	Yes (1)	No (0)	l often feel sad or depressed.	Symptoms of depression, such as not feeling well or feeling slowed down, are linked to falls.
	Total		Add up the number of points for each "yes" answer.	If you scored 4 points or more, you may be at risk for falling.
	This checklist w 2011: 42(6)493-	as developed by 1 499). Adapted wi	he Greater Los Angeles VA Geriatric Research Education Clinical Cente th permission of the authors.	r and affiliates and is a validated fall risk self-assessment tool (Rubenstein et al. J Safety Re













Mrs. Parker's Medications

MEDICATION	DOSE	TIMING				
Novolog	3 units subcutaneously	before meals and at bedtime				
antus	20 units subcutaneously	at bedtime				
isinopril	20 mg	daily				
Metoprolol Succinate ER	200 mg	daily				
Spironolactone	12.5 mg	daily				
Furosemide	20 mg	daily				
Potassium Chloride	20 mEq	daily				
Digoxin	125 mcg	daily				
luoxetine	40 mg	daily				
Clonazepam	1 mg	at bedtime as needed for sleep				
Atorvastatin	10 mg	at bedtime				
Aspirin	81 mg	daily				
Nhat are your concerns with these mods?						

























10MWT Norms for Healthy Older Adults (Bohannon, 2011)									
	Decade	Men	Women						
	60s	1.34	1.24						
	70s	1.26	1.13						
	80's/90s	0.97	0.94						
	00 3/ 703	0.77	0.74						



Evidence-based Findings:

Lusardi (2017) – Systematic Review/Meta-Analysis of community-dwellers 65 and older, found <u>no single test predicted falls</u>, but use of history questions, self-reported measures; TUG >, Sit to Stand test and <u>Berg Balance Scale</u> score <50 pts were the most evidenced supported measures to determine risk of future falls.









What are the <u>benefits</u> of encouraging mobility and educating fall prevention to Mrs. Parker?

What are the potential effects of <u>not</u> addressing Mrs. Parker's mobility and fall risk?

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Benefits of Encouraging & Promoting Mobility in the Older Population

- Decrease risk of falls
- Improve cardiovascular condition
- Weight control
- Mental health benefits
- Increase social engagement
- Improve flexibility
- Bone density improved
- Improved overall function (i.e., self-care & independence)
- EBP interventions (i.e., exercise), reduced medications & improve home safety. (Syst Rev -Gillespie, 2012/Tricco, 2017)





