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Preservation of Function in Older Adults Who Are in the Emergency Department During COVID-19

Suzanne Ryer, PT, MPT, GCS, CEEAA; Pamela Martin, RN, MSN, FNP-BC, APRN GS-C; Aaron J Malsch RN MSN GCNS-BC

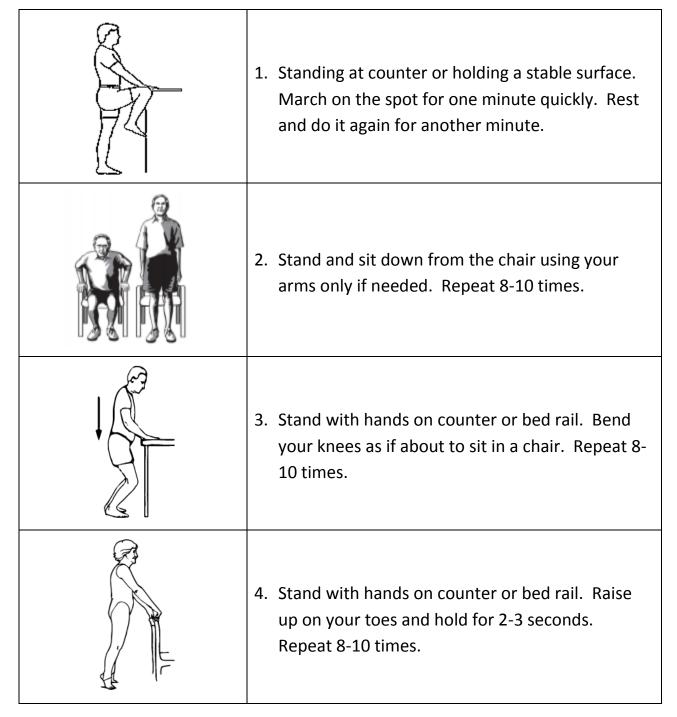
- 1. Functional status is an independent predictor of morbidity and mortality in older ED patients and physical function can be worsened by immobility, especially during extended ED stays.^{1,2}
 - a. Immobility can lead to loss of muscle mass, deconditioning, and weakness.
 - b. Decreased physical function can contribute to inpatient complications such as falls, delirium, increased length of stay, and higher rates of discharge to skilled nursing facilities.
- 2. Many of the risk factors for functional decline³, physical and mental, can be exacerbated by the response to COVID-19, such as low frequency of social contacts, low physical activity, depression, poor self-perceived health, cognitive impairment, and comorbidity.
- 3. Baseline functional status is an important part of obtaining a history, which may include home setting, caregiver support, and use of assistive or adaptive equipment.
- 4. Patient premorbid functional status has implications for health interventions, outcomes, and recovery beyond the ED.
 - a. Use common assessment tools such as the Katz ADLs, ISAR⁵, and TRST.⁵
 - b. Evaluate IADLs to ensure that patient will be able to perform these items especially if patient is going home independently. Key activities are the management of medications, meals, transportation, finances, housekeeping and communication.
- 5. Unless contraindicated, maximize and facilitate mobility at the bedside despite limitations and confinement of social distancing:
 - a. ambulate in room c. sit on side of bed with feet on floor
 - b. use bedside commode d. sit in chair for meals
- 6. The combination of aerobic and strength exercises is most effective in prevention of functional decline associated with disuse and immobility.⁴
- 7. Any activity is better than none, but patients with extended ED lengths of stay should be encouraged to perform exercises and mobility. Prescribe exercises for those boarding in the ED, as well as for those who will be discharged. See table below to select the appropriate program for your patient.

	Standing	Seated	Supine
Indications	 Steady ambulation No restrictions to activity 	 Balance problems Difficulty standing Able to sit unsupported in chair 	 Bedbound or non- ambulatory Presents via cart/ambulance
Contraindications	 Medically unstable for activity High fall risk 	 Medically unstable for activity Bedrest order 	 Medically unstable for activity Unresponsive/not alert



Standing Exercises in the ED for Preservation of Function

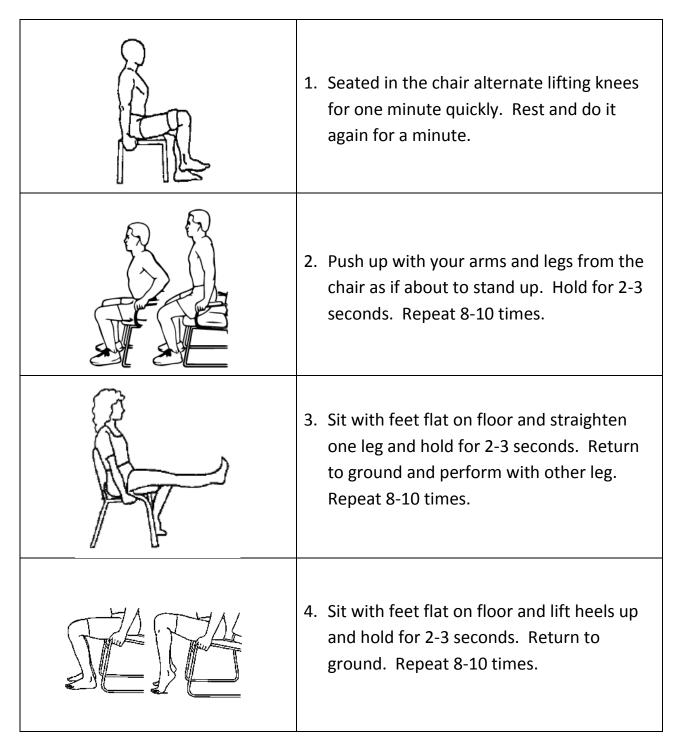
- Sit up in a chair or at the edge of bed to eat meals.
- Walk in the room (with help as needed) every 1-2 hours at a comfortable pace.
- Use hand support on a stable surface like bed rail or countertop for safety.
- Perform the circuit of exercises every 2-3 hours to increase activity and maximize function. Take rests as needed.
- If you become lightheaded, short of breath or feel pain do not continue.





Sitting Exercises in the ED for Preservation of Function

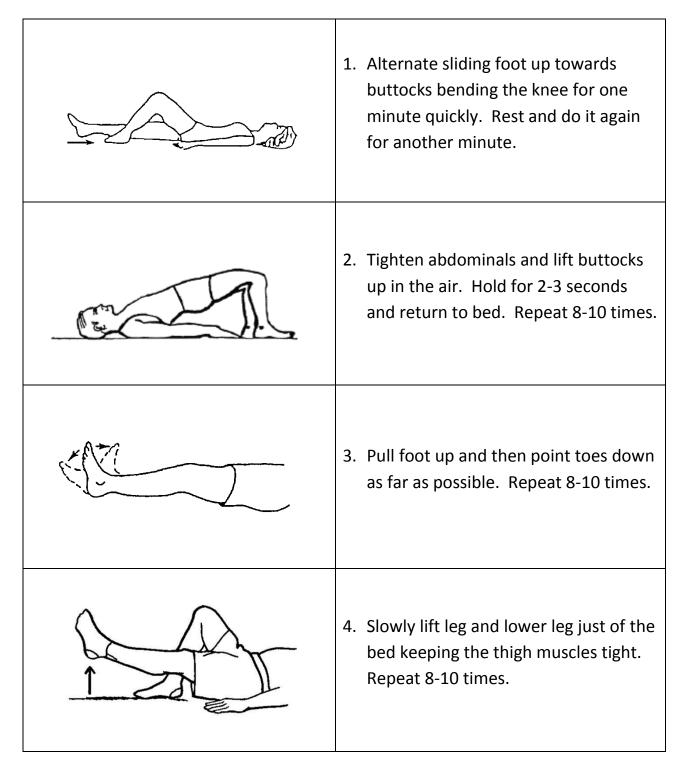
- Sit up in a chair or at the edge of bed to eat meals.
- Walk in room with help.
- Perform the circuit of exercises every 2-3 hours to increase activity and maximize function. Take rests as needed.
- If you become lightheaded, short of breath or feel pain do not continue.





Bed Exercises in the ED for Preservation of Function

- Sit up at edge of bed or raise head of bed throughout the day to improve breathing and position.
- Perform the circuit of exercises every 2-3 hours to increase activity and maximize function. Take rests as needed.
- If you become lightheaded, short of breath or feel pain do not continue.





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