

Agenda Pre-Meeting tasks: Complete Outcome Measure competency checklist Complete outcome measures quiz Wednesday, June 16 @ 11:45-12:45 5 mins Welcome and introductions 5 mins Quiz video questions Review CYCLE protocol 10 mins **CYCLE RCT Progress** Enrollment update Outcome Measure Ascertainment Lessons learned (post-interim analysis) 20 mins Scenarios + Discussion (site processes and internal communication plans) 10 mins 5 mins Questions, next steps, feedback



CYCLE: Critical Care Cycling to Improve Lower Extremity Strength

Research Question:
In medical-surgical ICU patients, does 30 minutes of inbed cycling and routine PT started within the first 4 days of mechanical ventilation, compared to routine PT improve patient function at 3 days post-ICU?

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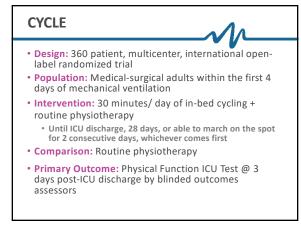
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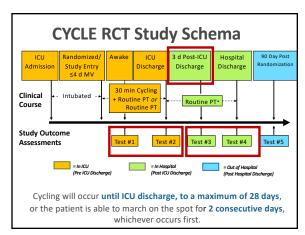
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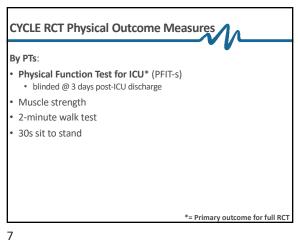
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Strength and Function Assessment Prioritization **Highest Priority** ICU Discharge, 3 Days Post-ICU Discharge and Hospital Discharge PFIT Sit to Stand Marching on the Spot Manual Muscle Testing Other Strength Components 30s Sit to Stand 2 Minute Walk Test **Lowest Priority** As of Aug 08, 2018

Key Responsibilities-Blinded Outcomes PT



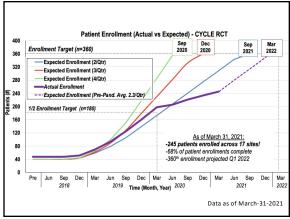
- Liaise with Research Team on patient status to plan for blinded outcomes assessments
- Complete strength and function outcome measurements at 3 days post ICU discharge and hospital discharge
- Complete assessment paperwork
- Maintain and clean equipment and report any issues to Research Coordinator
- Communicate with the Research Coordinator on:
 - o Assessment progress and completion
 - Deviations in protocol
 - o Staffing issues

ENROLLMENT UPDATES	M

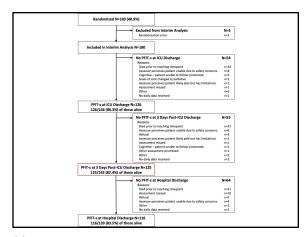
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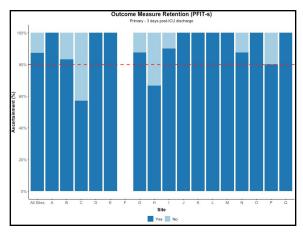
Enrollment Progress by Site – CYCLE RCT					
Site			# Enrolled		
	Vanguard	RCT	Total	Screening status	
St. Joseph's, Hamilton	11	19	30	Resumed June 15/20	
Juravinski, Hamilton	9	20	29	Resumed June 22/20	
Hamilton General	3	5	8	On Hold	
St. Michael's, Toronto	-	14	14	1st Pause (COVID)	
Mount Sinai, Toronto	-	0	0	On Hold	
Ottawa Civic	1	11	12	2nd pause (COVID)	
Ottawa General	8	4	12	Resumed Sep 8/20	
Austin Health, Australia	9	5	14	Resumed Nov 9/20	
Duke, USA	6	9	15	Resumed Oct 19/20	
University of Maryland, USA	-	10	10	1st Pause (COVID)	
Montreal Sacre Coeur, Quebec	-	8	8	Resumed May 10/21	
Sherbrooke, Quebec	-	25	25	Resumed June 22/20	
Hotel Dieu de Levis, Quebec	-	34	34	2nd pause (COVID)	
Brantford General	-	16	16	Resumed May 20/20	
Niagara Health, St. Catharines	-	11	11	Resumed Nov 23/20	
London Victoria	-	14	14	2 nd pause (COVID)	
Kingston General	-	2	2	2nd pause (COVID)	
OVERALL	47	207	254	71% total	
				As of June-15-2021	



Outcome Measure Ascertainment

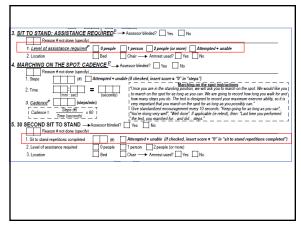


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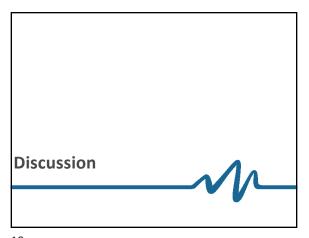




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Discussion

Pre-meeting tasks:

- Competency checklist
- Reviewing OMs
- · How was practicing OMs with patients?
- Past experiences with OM
 - Questions and clarifications
- Are there any tips that you have learned during CYCLE that you would pass on to new team members or CYCLE Methods Centre?
- State of equipment

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• Any missing or damaged items that need to be replaced?

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- Understands assessment time points and blinding status at each

- Understands how to assess eligibility for time points (e.g. awakening assessment)

- Demonstrates ability to organice assessment and prioritize components appropriately Grades strength correctly

Demonstrates understanding of testing position

Tests mucci strength in a static position (in through range)
Performs knee extension strength testing

Grades strength correctly

Demonstrates understanding of testing position

Tests mucci strength in a static position (in through range)
Assesses it to stand assistance

Cues patient for starting position

Records appropriate amount of assistance required
Assesses the cadence (marching on the spot)

Reads standardized instructions

Demonstrates invokedige of when to stop test Demonstrates knowledge of when to stop test
 Power and anneal "stems and seams time
Manual Muscle Testing
 Demonstrates understanding of grading system
 Demonstrates understanding of different testing positions for each limb/muscle/grade
 Tests muscle strength in a state position (nor through range)
 30 Second Sit to Stand
 Cues patient for starting position
 Clearly explains to patient and demonstrates how to perform test
 Correctly scores number of stands while keeping time
 2 Minute Walk Test

Minute Walk Test
 Demonstrates understanding of test contraindications, precautions, and criteria for stoppage
 Reads standardized instructions and encouragement

Practice

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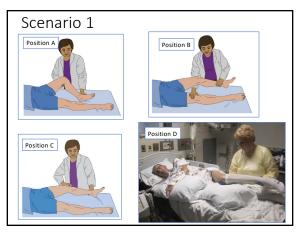
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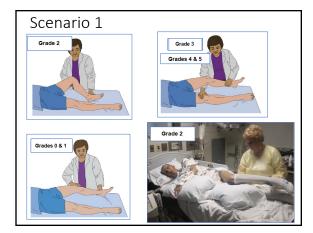


PFIT-S Scenario 1

- You are preparing to conduct the ICU awakening assessment with an ICU patient who has woken up after a month in bed.
- · Patient is very deconditioned (mechanical lift to transfer; assist x2 to roll)
- They are unable to extend knee against gravity

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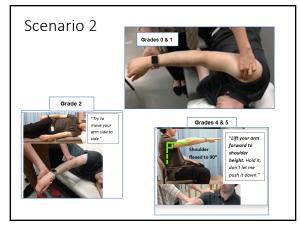
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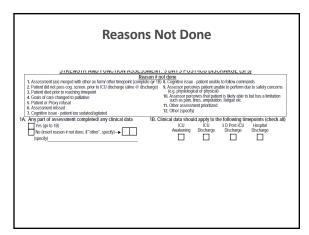
PFIT-S Scenario 2

- You are preparing to conduct the ICU awakening assessment with an ICU patient who has woken up after a month in bed.
- Patient is very deconditioned (mechanical lift to transfer; assist x2 to roll)
- They are unable to complete shoulder flexion against gravity

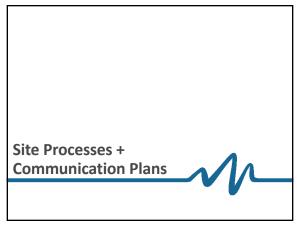


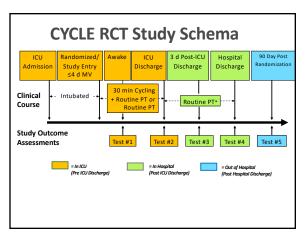
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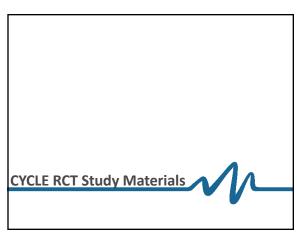
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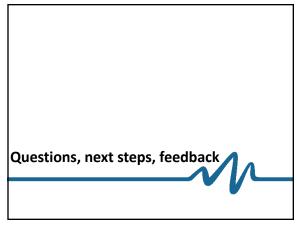
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