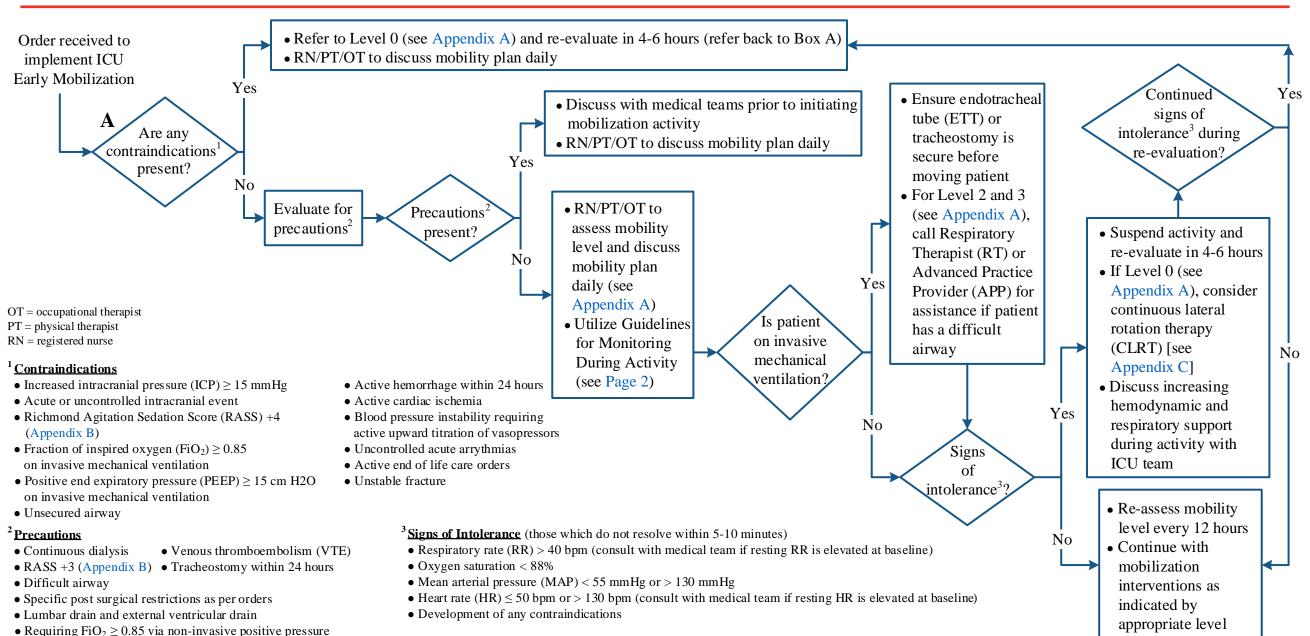


Page 1 of 7

Making Cancer History®

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Department of Clinical Effectiveness V5

Approved by the Executive Committee of the Medical Staff on 11/17/2020

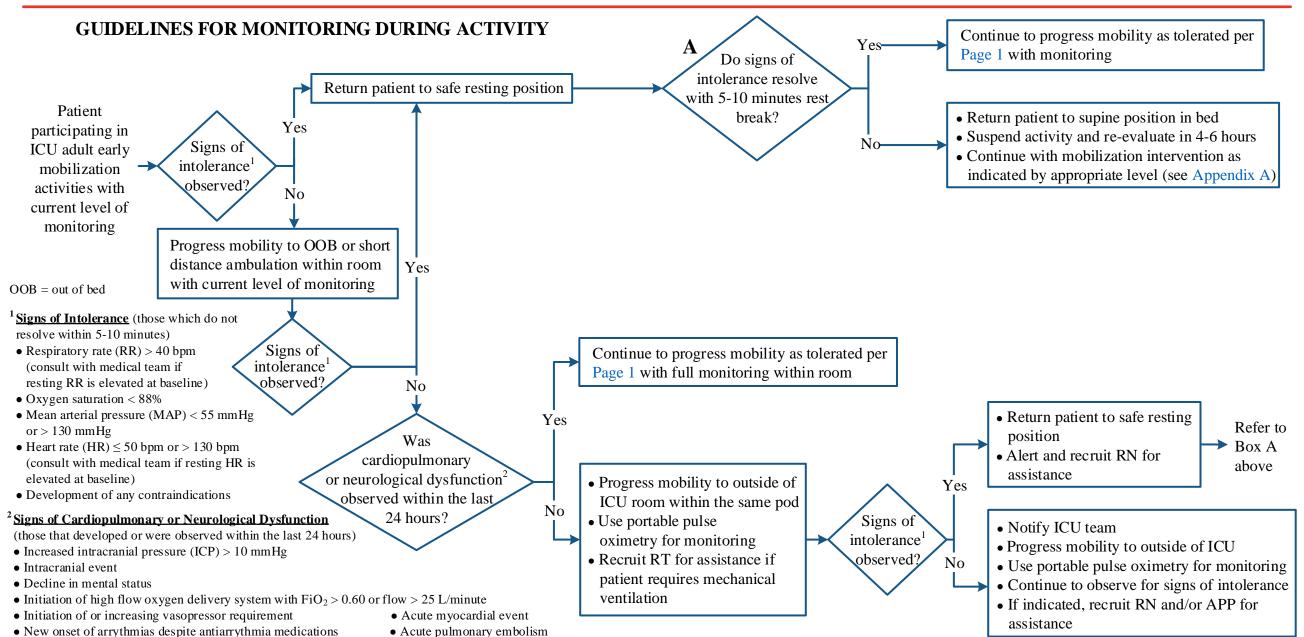
ventilation (NIPPV) or high flow oxygen

Making Cancer History®

MD Anderson ICU Adult Early Mobilization

Page 2 of 7

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Department of Clinical Effectiveness V5

Page 3 of 7

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APPENDIX A: Mobility Levels

Level 0

 $RASS^1$ -5 to +2 **Functional Level:** Typically Total Assist² and JH-HLM Score 1³

Interventions

- Evaluate for prone positioning
- Attempt manual turn to lateral position
- Pre-oxygenate
- Use slow speed of turn
- Use wedge, start with 15 degree turn, hold for 15 seconds; if tolerance criteria met, increase to 30 degrees for 15 seconds; if tolerated, increase to 45 degrees
- Weight shift patient every hour
- Reposition head, arms and legs every hour with heel elevation
- PROM twice a day x 10 repetitions by nursing staff
- Daily implementation of Morning Bundle⁴

Level 1

 $RASS^1$ -5 to +2 Functional Level: Typically Total Assist² and JH-HLM Score 2-3³

Interventions

- PROM twice daily x 10 repetitions with nursing staff
- Reposition every 2 hours by nursing staff
- Heel elevation
- Bed in chair position twice a day by nursing staff greater than 20 minutes but less than 2 hours
- Skilled therapeutic interventions by PT/OT as indicated
- Daily implementation of Morning Bundle⁴

Level 2

Functional Level: Typically Maximum to Moderate Assist² and JH-HLM Score 3-4³

 $RASS^{1} - 2 to + 2$

Interventions

- ROM exercises twice daily with family/nursing staff x 10 repetitions
- Reposition every 2 hours by nursing staff
- Heel elevation
- Bed in chair position twice a day by nursing staff greater than 20 minutes but less than 2 hours and
- OOB to neuro chair
- Skilled therapeutic interventions by PT/OT as indicated
- Participate in ADL
- Daily implementation of Morning Bundle⁴

Level 3

 $RASS^1 -1 to +2$ Functional Level:

Typically Moderate Assist to Supervision² and JH-HLM Score 4-8³

Interventions

- Complete individualized exercise program
- Reposition every 2 hours while in bed
- Heel elevation
- Progressive mobility at least twice daily by nursing and rehab staff as indicated
- o OOB to bedside chair
- o Ambulate as directed by PT/OT
- o Skilled therapeutic interventions by PT/OT as indicated
- Participate in ADL
- Daily implementation of Morning Bundle⁴

PROM = passive range of motion

ROM = range of motion

ADL = activities of daily living

¹ See Appendix B

OOB = out of bed

² Total Assist (patient performs 0-24%) Maximum Assist (patient performs 25-49%) Moderate Assist (patient performs 50-74%) Minimal Assist (patient performs 75-99%) Supervision (assist patient with set up and/or cuing) ³ Johns Hopkins Highest Level of Mobility Score (JH-HLM):

8 = Walk 250 feet of more

7 =Walk 25 feet or more

6 =Walk 10 steps or more

5 =Standing (1 or more minutes) 4 = Move to chair/commode

3 = Sit at edge of bed

2 = Bed activities/dependent transfer

1 =Lying in bed

⁴ Morning Bundle Components: Between 6 - 8 AM:

• Lights on

• Window shades up

• Head of bed (HOB) elevated

Sedation holiday

• Reorientation as indicated

By 10 AM:

• Up in chair position or OOB to chair

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APPENDIX B: Richmond Agitation Sedation Scale (RASS)

+4	Combative	Overly combative, violent, immediate danger to staff
+3	Very agitated	Pulls or removes tube(s) or catheter(s); aggressive
+2	Agitated	Frequent, non-purposeful movement, fights ventilator
+1	Restless	Anxious, but movements not aggressive or vigorous
0	Alert and calm	-
-1	Drowsy	Not fully alert, but has sustained awakening (eye-opening/eye contact) to voice (greater than or equal to 10 seconds)
-2	Light sedation	Briefly awakens with eye contact to voice (less than 10 seconds)
-3	Moderate sedation	Movement or eye openings to voice (but no eye contact)
-4	Deep sedation	No response to voice, but movement or eye opening to physical stimulation
-5	Unarousable	Unarousable



Page 5 of 7

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APPENDIX C: Continuous Lateral Rotation Therapy (CLRT)

CLRT for hemodynamically unstable patients

- Maintain head of bed (HOB) \geq 15 degrees and 15 degrees reverse Trendelenberg position (to achieve 30 degrees)
- CLRT 18 hours per day, minimum of 6 complete rotations (optimally 8-10 rotations)
- Use training mode, or if not tolerated, set rotation at 60% and pause two minutes for right/left/center (minimum settings)
- Monitor that one lung is above the other lung with a turn. If not, increase rotation percentage as tolerated.
- Increase pause to one minute as patient adjusts
- Every 2 hours, check to ensure that the patient is in optimal position to promote effective turn Shoulders should be aligned with the lung picture on the bed.
- Use custom settings to adjust for body types

ICU Adult Early Mobilization

Page 6 of 7

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Page 7 of 7

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DEVELOPMENT CREDITS

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