

Table S1. Hospital background information.

Facility Name	A	B	C	D	E	F	G	H	I
Number of beds	868	740	740	592	500	464	464	415	376
Number of ICU beds	20	26	8	12	6	24	8	8	10
ICU system	Closed	Mandatory	Mandatory	Closed	Closed	Open	Elective	Open	Mandatory
Patient-to-nurse ratio	2:1	2:1	2:1	1:1	2:1	2:1	2:1	2:1	2:1
Dedicated physiotherapist	Yes	Yes	Yes	No	No	No	Yes	Yes	No
Mobilization protocol	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sedation protocol	No	Yes	No	No	No	No	Yes	No	No
Agitation protocol	No	Yes	No	No	No	No	No	No	No
SAT/SBT protocol	Yes	Yes	Yes	No	No	No	Yes	No	Yes

Closed: intensivist decides therapeutic policy; Mandatory: intensivist is involved in deciding treatment policy; Elective: intensivist is mainly involved as a consultant; Open: physicians in each department decide therapeutic policy [1].

Table S2. Mobilization protocol [2].

<b>Level 1</b> 	<b>Respiratory</b>	Criteria for proceeding to the next step
	<input type="checkbox"/> Turning <input type="checkbox"/> RHOB $\leq$ 45 degrees <input type="checkbox"/> Passive ROM exercise <input type="checkbox"/> Respiratory physical therapy	<input type="checkbox"/> Oxygenation/hemodynamic stability <input type="checkbox"/> Can withstand posture change <input type="checkbox"/> Can withstand RHOB $\leq$ 45 degrees
<b>Level 2</b> 	<b>Raise Head of Bed</b>	Criteria for proceeding to the next step
	<input type="checkbox"/> Turning <input type="checkbox"/> RHOB $\leq$ 60 degrees <input type="checkbox"/> Passive ROM exercise <input type="checkbox"/> Active ROM exercise <input type="checkbox"/> Respiratory physical therapy <input type="checkbox"/> Bed mobility exercise	<input type="checkbox"/> All Level 1 exercises can be carried out <input type="checkbox"/> Can withstand RHOB $\leq$ 60 degrees <input type="checkbox"/> Anti-gravity movement possible
<b>Level 3</b> 	<b>Sitting</b>	Criteria for proceeding to the next step
	<input type="checkbox"/> Turning <input type="checkbox"/> RHOB $\leq$ 60 degrees <input type="checkbox"/> Passive ROM exercise <input type="checkbox"/> Active ROM exercise <input type="checkbox"/> Bed mobility exercise <input type="checkbox"/> Sitting on the edge of the bed	<input type="checkbox"/> All Level 2 exercises can be carried out <input type="checkbox"/> Can withstand sitting on the edge of the bed
<b>Level 4</b> 	<b>Standing</b>	Criteria for proceeding to the next step
	<input type="checkbox"/> Turning <input type="checkbox"/> RHOB $\leq$ 60 degrees <input type="checkbox"/> Passive ROM exercise <input type="checkbox"/> Active ROM exercise <input type="checkbox"/> Standing at the side of the bed <input type="checkbox"/> Stand and transfer to a chair	<input type="checkbox"/> All Level 3 exercises can be carried out <input type="checkbox"/> Can withstand partial weight standing
<b>Level 5</b> 	<b>Walking</b>	Criteria for proceeding to the next step
	<input type="checkbox"/> Turning <input type="checkbox"/> RHOB $\leq$ 60 degrees <input type="checkbox"/> Passive ROM exercise <input type="checkbox"/> Active ROM exercise <input type="checkbox"/> Walking with assistance <input type="checkbox"/> Walking without assistance	<input type="checkbox"/> Increase walking distance gradually

Table S3. The study management committee.

## The Study Management Committee

### ◆ Fukuyama City Hospital

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- Yoshiyuki Teranobu
- Shuhei Ikeguchi

### ◆ Hiroshima University Hospital

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- Shunsuke Taito

### ◆ Japanese Red Cross Ishinomaki Hospital

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- Shuntaro Suzuki

### ◆ Japanese Red Cross Maebashi Hospital

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- Kenji Fujizuka
- Takeshi Mizuno
- Kei Tsunoda
- Emi Abe

### ◆ Japanese Red Cross Nagaoka Hospital

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- Tomoaki Terasawa

### ◆ Japanese Society for Early Mobilization

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- Sho Iida
- Tomoya Kuroda

### ◆ Nagasaki University

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- Tsubasa Watanabe

### ◆ Naha City Hospital

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- Takuya Tonaki
- Shinya Kawabata
- Yoshifumi Heshiki
- Yousuke Sato
- Hiroshi Tomiyama
- Yuji Miyata

### ◆ National Hospital Organization Nagoya Medical Center

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- Mika Ohno
- Yayoi Honjyo

### ◆ Showa University School of Medicine

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- Fumihito Kasai
- Maiko Mori
- Hiroko Kato
- Kota Kubodera
- Kaori Tsuruta

### ◆ Tokyo Women's Medical University

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- Tetsuo Ikai
- Tatsuya Horibe
- Gen Kudo
- Masako Shimada
- Syouhei Yokota
- Naoko Shima

### ◆ Yao Tokushukai General Hospital

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- Hiromasa Harada
- Yasuko Muranaka

### ◆ Yuuai Medical Center

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- Masahiro Tamashiro
- Shohei Miyazato
- Shogo Sakihama
- Ryo Nagato

## Reference

1. Pronovost, P.J.; Angus, D.C.; Dorman, T.; Robinson, K.A.; Dremiszov, T.T.; Young, T.L. Physician staffing patterns and clinical outcomes in critically ill patients: A systematic review. *JAMA* **2002**, *288*, 2151–2162.
2. Watanabe, S.; Kotani, T.; Taito, S.; Ota, K.; Ishii, K.; Ono, M.; Katsukawa, H.; Kozu, R.; Morita, Y.; Arakawa, R.; et al. Determinants of gait independence after mechanical ventilation in the intensive care unit: A Japanese multicenter retrospective exploratory cohort study. *J. Intensive Care* **2019**, *7*, 53.