

**Table e-1.** Japan Coma Scale for grading impaired consciousness\*

Grade	Consciousness Level
1-digit code	The patient is awake without any stimuli, and is:
1	Almost fully conscious
2	Unable to recognize time, place, and person
3	Unable to recall name or date of birth
2-digit code	The patient can be aroused (then reverts to previous state after cessation of stimulation):
10	By easily by being spoken to (or is responsive with purposeful movements, phrases, or words)†
20	With a loud voice or shaking of shoulders (or is almost always responsive to very simple words like yes or no or to movements)
30	Only by repeated mechanical stimuli
3-digit code	The patient cannot be aroused with any forceful mechanical stimuli, and:
100	Responds with movements to avoid the stimulus
200	Responds with slight movements, including decerebrate and decorticate posture
300	Does not respond at all except for changes in respiratory rhythm

\*"R" and "I" are added to the grade to indicate restlessness and incontinence of urine and feces, respectively: for example; 100-R and 30-RI.

†Criteria in parentheses are used in patients who cannot open their eyes for any reason

**Table e-2. The interaction analysis between usage of DOAC and reversal agents on ICH removal by logistic regressions.**

	OR	95% CI	P value
Usage of DOAC	0.33	0.14-0.79	0.012
Usage of reversal agents	1.95	0.4-0.53	0.409
Interaction between DOAC and reversal agents	5.02	0.92-27.28	0.062

Abbreviations: OR, odds ratio; CI, Confidence interval; DOAC, direct oral anticoagulants

**Table e-3. Hemorrhage location of DOAC and warfarin-associated ICH patients**

	DOAC n=162	Warfarin n=1,384	P value
Hemorrhage location			0.424
Supratentorial	129 (79.6%)	1040 (75.1%)	
Posterior fossa	18 (11.1%)	200 (14.5%)	
Brain stem	15 (9.3%)	144 (10.4%)	

Abbreviations: DOAC, direct oral anticoagulants; ICH, intracerebral hemorrhage

**Table e-4. Characteristics of DOAC and warfarin-associated ICH patients matched by propensity score.**

Variable	DOAC	Warfarin	P value
	n=221	n=221	
	Mean or %		
Male	76.5	74.7	0.659
Age	73.3	74.5	0.171
Charlson score	4.8	4.9	0.252
Hypertension	60.6	56.1	0.336
Diabetes mellitus	26.7	23.1	0.38
Hyperlipidemia	14.0	12.2	0.574
JCS score 2 or 3-digit code	26.7	30.8	0.345
Concurrent antiplatelet therapy	24.4	25.8	0.743
ICH removal	5.9	5.4	0.837
External CSF drainage	2.7	2.3	0.761
Vitamin_K	2.7	2.7	1
PCC	5.0	2.7	0.217
FFP	5.4	3.6	0.361

Abbreviations: DOAC, direct oral anticoagulants; ICH, intracerebral hemorrhage; CSF, cerebrospinal fluid; PCC, prothrombin complex concentrate; FFP, Fresh frozen plasma

**Table e-5. ORs of mortality within 1 day, 7 days and during hospitalization, and mRS 4-6 at discharge in warfarin-associated ICH patients compared with dabigatran-associated ICH patients after matching by propensity score.**

	OR	95% CI	P value
Mortality within 1 day	2.44	0.32-18.42	0.387
Mortality within 7 days	1.45	0.26-8.14	0.672
In-hospital mortality	2.11	0.47-9.45	0.329
Discharge mRS 4-6	1.02	0.35-3.00	0.97

Abbreviations: OR, odds ratio; CI, Confidence interval; mRS, modified Rankin Scale; DOAC, direct oral anticoagulants

**Table e-6. ORs of mortality within 1 day, 7 days and during hospitalization, and mRS 4-6 at discharge in warfarin-associated ICH patients compared with apixaban-associated ICH patients after matching by propensity score.**

	OR	95% CI	P value
Mortality within 1 day	2.65	0.37-19.04	0.334
Mortality within 7 days	1.08	0.47-3.76	0.907
In-hospital mortality	1.42	0.44-4.61	0.559
Discharge mRS 4-6	4.78	0.51-44.64	0.17

Abbreviations: OR, odds ratio; CI, Confidence interval; mRS, modified Rankin Scale

**Table e-7. ORs of mortality within 1 day, 7 days and during hospitalization, and mRS 4-6 at discharge in warfarin-associated ICH patients compared with rivaroxaban-associated ICH patients after matching by propensity score.**

	OR	95% CI	P value
Mortality within 1 day	11.22	1.40-90.27	0.023
Mortality within 7 days	2.23	0.94-5.31	0.069
In-hospital mortality	1.48	0.73-3.00	0.273
Discharge mRS 4-6	0.45	0.17-1.15	0.094

Abbreviations: OR, odds ratio; CI, Confidence interval; mRS, modified Rankin Scale