ONLINE SUPPLEMENT

APPENDIX 2

STATISTICAL TESTS

Appendix 2.1
Perceived risk and the incidence of intracranial hemorrhage according to center caseload and years of experience.

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of risk_VV_likert is the same across categories of HighVolume.	Independent-Samples Mann-Whitney U Test	.699	Retain the null hypothesis.
2	The distribution of risk_VA_likert is the same across categories of HighVolume.	Independent-Samples Mann-Whitney U Test	.068	Retain the null hypothesis.
3	The distribution of risk_ECPR_likert is the same across categories of HighVolume.	Independent-Samples Mann-Whitney U Test	.215	Retain the null hypothesis.
4	The distribution of ICH_Incidence_ord is the same across categories of HighVolume.	Independent-Samples Mann-Whitney U Test	.790	Retain the null hypothesis.

Asymptotic significances are displayed. The significance level is .01.

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of risk_VV_likert is the same across categories of LongEstablished.	Independent-Samples Mann-Whitney U Test	.892	Retain the null hypothesis.
2	The distribution of risk_VA_likert is the same across categories of LongEstablished.	Independent-Samples Mann-Whitney U Test	.051	Retain the null hypothesis.
3	The distribution of risk_ECPR_likert is the same across categories of LongEstablished.	Independent-Samples Mann-Whitney U Test	.029	Retain the null hypothesis.
4	The distribution of ICH_Incidence_ord is the same across categories of LongEstablished.	Independent-Samples Mann-Whitney U Test	.234	Retain the null hypothesis.

Asymptotic significances are displayed. The significance level is .01.

Appendix 2.2
Perceived risk of intracranial hemorrhage and the reported heparin bolus dose, heparin initial maintenance dose or test used to titrate.

Spearman correlation

		ICH Incidence
Heparin Bolus	Correlation Coefficient	-0.033
	Sig. (2-tailed)	0.75
	N	95
Heparin Infusion	Correlation Coefficient	0.112
	Sig. (2-tailed)	0.293
	N	90

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of ICH_Incidence_ord is the same across categories of AnticoagulationStrategy.	Independent–Samples Kruskal–Wallis Test	.669	Retain the null hypothesis.

Asymptotic significances are displayed. The significance level is .01.

Appendix 2.3
Anticoagulation management according to center caseload and years of experience.

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of HeparinBolus_ordinal is the same across categories of LongEstablished.	Independent-Samples Mann–Whitney U Test	.794	Retain the null hypothesis.
2	The distribution of HeparinInfusion_ordinal is the same across categories of LongEstablished.	Independent-Samples Mann–Whitney U Test	.651	Retain the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of HeparinBolus_ordinal is the same across categories of HighVolume.	Independent-Samples Mann–Whitney U Test	.948	Retain the null hypothesis.
2	The distribution of HeparinInfusion_ordinal is the same across categories of HighVolume.	Independent-Samples Mann–Whitney U Test	.561	Retain the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

Appendix 2.4
Perceived risk of intracranial hemorrhage according to the blood product administration thresholds.

		Perceived risk		
		VV-ECMO	VA-ECMO	ECPR
Platelet - normal	Correlation Coefficient	-0.064	-0.049	0.018
	P-value. (2-tailed)	0.482	0.596	0.851
	N	124	121	115
Platelet - ICH	Correlation Coefficient	-0.042	0.083	0.037
	P-value. (2-tailed)	0.643	0.365	0.7
	N	122	120	114
FFP - normal	Correlation Coefficient	-0.098	-0.242	-0.009
	P-value. (2-tailed)	0.496	0.094	0.954
	N	50	49	46
FFP - ICH	Correlation Coefficient	0.032	0.004	0.057
	P-value. (2-tailed)	0.799	0.972	0.662
	N	67	66	61
Cryoprecipitates - normal	Correlation Coefficient	0.009	-0.137	0.041
	P-value. (2-tailed)	0.945	0.281	0.755
	N	65	64	59
Cryoprecipitates - ICH	Correlation Coefficient	0.194	0.11	0.19
	P-value. (2-tailed)	0.086	0.336	0.102
	N	79	79	75

Appendix 2.5
Blood product administration triggers according to center caseload and years of experience.

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of Hb_norm_ordinal is the same across categories of HighVolume.	Independent–Samples Mann–Whitney U Test	.760	Retain the null hypothesis.
2	The distribution of Hb_ICH_ordinal is the same across categories of HighVolume.	Independent–Samples Mann–Whitney U Test	.309	Retain the null hypothesis.
3	The distribution of Plt_norm_ordinal is the same across categories of HighVolume.	Independent–Samples Mann–Whitney U Test	.776	Retain the null hypothesis.
4	The distribution of Plt_ICH_ordinal is the same across categories of HighVolume.	Independent–Samples Mann–Whitney U Test	.216	Retain the null hypothesis.
5	The distribution of FFP_norm_ordinal is the same across categories of HighVolume.	Independent–Samples Mann–Whitney U Test	.902	Retain the null hypothesis.
6	The distribution of FFP_ICH_ordinal is the same across categories of HighVolume.	Independent–Samples Mann–Whitney U Test	.832	Retain the null hypothesis.
7	The distribution of Cryo_norm_ordinal is the same across categories of HighVolume.	Independent–Samples Mann–Whitney U Test	.691	Retain the null hypothesis.
8	The distribution of Cryo_ICH_ordinal is the same across categories of HighVolume.	Independent–Samples Mann–Whitney U Test	.233	Retain the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of Hb_norm_ordinal is the same across categories of LongEstablished.	Independent-Samples Mann–Whitney U Test	.398	Retain the null hypothesis.
2	The distribution of Hb_ICH_ordinal is the same across categories of LongEstablished.	Independent-Samples Mann–Whitney U Test	.139	Retain the null hypothesis.
3	The distribution of Plt_norm_ordinal is the same across categories of LongEstablished.	Independent-Samples Mann–Whitney U Test	.874	Retain the null hypothesis.
4	The distribution of Plt_ICH_ordinal is the same across categories of LongEstablished.	Independent-Samples Mann–Whitney U Test	.279	Retain the null hypothesis.
5	The distribution of FFP_norm_ordinal is the same across categories of LongEstablished.	Independent-Samples Mann–Whitney U Test	.721	Retain the null hypothesis.
6	The distribution of FFP_ICH_ordinal is the same across categories of LongEstablished.	Independent-Samples Mann–Whitney U Test	.414	Retain the null hypothesis.
7	The distribution of Cryo_norm_ordinal is the same across categories of LongEstablished.	Independent-Samples Mann–Whitney U Test	.213	Retain the null hypothesis.
8	The distribution of Cryo_ICH_ordinal is the same across categories of LongEstablished.	Independent-Samples Mann–Whitney U Test	.101	Retain the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

Appendix 2.6
Oxygenation and Decarboxylation in targets according to center caseload and years of experience.

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of PaO2_target_VV_low_ord is the same across categories of HighVolume.	Independent–Samples Mann–Whitney U Test	.939	Retain the null hypothesis.
2	The distribution of PaO2_target_VA_low_ord is the same across categories of HighVolume.	Independent–Samples Mann–Whitney U Test	.192	Retain the null hypothesis.
3	The distribution of PaO2_target_ECPR_low_ord is the same across categories of HighVolume.	Independent–Samples Mann–Whitney U Test	.255	Retain the null hypothesis.
4	The distribution of PaO2_target_VV_high_ord is the same across categories of HighVolume.	Independent–Samples Mann–Whitney U Test	.464	Retain the null hypothesis.
5	The distribution of PaO2_target_VA_high_ord is the same across categories of HighVolume.	Independent–Samples Mann–Whitney U Test	.262	Retain the null hypothesis.
6	The distribution of PaO2_target_ECPR_high_ord is the same across categories of HighVolume.	Independent–Samples Mann–Whitney U Test	.318	Retain the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of PaO2_target_VV_low_ord is the same across categories of LongEstablished.	Independent-Samples Mann–Whitney U Test	.921	Retain the null hypothesis.
2	The distribution of PaO2_target_VA_low_ord is the same across categories of LongEstablished.	Independent-Samples Mann–Whitney U Test	.859	Retain the null hypothesis.
3	The distribution of PaO2_target_ECPR_low_ord is the same across categories of LongEstablished.	Independent-Samples Mann–Whitney U Test	.567	Retain the null hypothesis.
4	The distribution of PaO2_target_VV_high_ord is the same across categories of LongEstablished.	Independent-Samples Mann–Whitney U Test	.665	Retain the null hypothesis.
5	The distribution of PaO2_target_VA_high_ord is the same across categories of LongEstablished.	Independent-Samples Mann–Whitney U Test	.497	Retain the null hypothesis.
6	The distribution of PaO2_target_ECPR_high_ord is the same across categories of LongEstablished.	Independent-Samples Mann–Whitney U Test	.424	Retain the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

Appendix 2.7
Prognostic impression according to center caseload and years of experience.

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of ICH_Incidence_ord is the same across categories of HighVolume.	Independent–Samples Mann–Whitney U Test	.790	Retain the null hypothesis.
2	The distribution of ICH_incidence_ordinal is the same across categories of HighVolume.	Independent–Samples Mann–Whitney U Test	.790	Retain the null hypothesis.
3	The distribution of ICH_global_ordinal is the same across categories of HighVolume.	Independent–Samples Mann–Whitney U Test	.222	Retain the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of ICH_Incidence_ord is the same across categories of LongEstablished.	Independent–Samples Mann–Whitney U Test	.234	Retain the null hypothesis.
2	The distribution of ICH_incidence_ordinal is the same across categories of LongEstablished.	Independent–Samples Mann–Whitney U Test	.234	Retain the null hypothesis.
3	The distribution of ICH_global_ordinal is the same across categories of LongEstablished.	Independent–Samples Mann–Whitney U Test	.706	Retain the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.