

## Supplementary Material 6.

### A. Differences in the presence, used, and usefulness of equipment.

		Vessel model for ultrasound practice	Intubation model	Spinal and epidural anesthesia practice model	Defibrillator	Cardiopulmonary resuscitation manikin
Availability of the equipments	No. of residents per each grade	0.267	0.649	0.821	0.504	0.635
	Hospital location	0.568	0.728	0.214	0.013*	0.271
Actual usage of the equipments	No. of residents per each grade	0.767	0.657	0.464	0.911	0.833
	Length of employment	0.278	0.563	0.611	0.964	0.936
	Gender	0.050	0.130	0.922	0.206	0.825
	Hospital location	0.561	0.347	0.136	0.278	0.022*
Thoughts about equipment usefulness	No. of residents per each grade	0.828	0.583	0.486	0.623	0.149
	Length of employment	0.866	0.566	0.536	0.134	0.897
	Gender	0.108	0.402	0.031*	0.351	0.758
	Hospital location	0.190	0.595	0.239	0.924	0.403

\*: P < 0.05

B. All p-values of the relationship between the CCE feedback and each response group.

		The degree to which CCE is considered necessary for resident training	The degree to which CCE is considered important for resident training	Seven core competencies of KSA						
				Preoperative assessment	Difficult airway management	Central venous catheter insertion using ultrasound	Spinal and epidural anesthesia	Treatment of myofascial pain syndrome	Advanced Cardiovascular Life Support	Mechanical ventilator management
Chief training faculties	No. of residents per each grade	0.439	0.337	0.420	0.551	0.090	0.232	0.552	0.303	0.473
	Length of employment	0.592	0.881	0.782	0.626	0.623	0.496	0.431	0.563	0.090
	Gender	0.088	0.763	0.722	0.673	0.957	0.519	0.083	0.858	0.440
	Hospital location	0.655	0.761	0.164	0.691	0.870	0.001*	0.707	0.166	0.078
Training faculties	No. of residents per each grade	0.725	0.357	0.106	0.361	0.091	0.535	0.534	0.318	0.025*
	Length of employment	0.739	0.104	0.262	0.474	0.387	0.128	0.899	0.026*	0.135
	Gender	0.595	0.676	0.397	0.863	0.536	0.473	0.878	0.510	0.664
	Hospital location	0.159	0.397	0.750	0.993	0.845	0.356	0.346	0.590	0.775
All training faculties	No. of residents per each grade	0.877	0.129	0.187	0.604	0.078	0.691	0.424	0.390	0.031
	Length of employment	0.504	0.634	0.458	0.556	0.381	0.079	0.599	0.015*	0.203
	Gender	0.771	0.854	0.589	0.888	0.486	0.584	0.545	0.395	0.589
	Hospital location	0.512	0.663	0.001*	0.983	0.602	0.017*	0.447	0.722	0.005*
Residents	No. of residents per each grade	0.025*	0.041*	0.394	0.090	0.159	0.013*	0.135	0.170	0.011*
	Grade	0.103	0.320	0.476	0.833	0.649	0.789	0.775	0.422	0.563
	Gender	0.489	0.692	0.998	0.956	0.625	0.937	0.675	0.463	0.600
	Hospital location	0.239	0.002*	0.062	0.051	0.236	0.149	0.696	0.059	0.008*

CCE: Core competency evaluation, KSA: Korean Society of Anesthesiologists, No: Number, \*: P < 0.05

C. The resident's answer.

	I know what KSA's 7 core competencies are	I know the evaluation criteria for CCE	CCE helped me to improve my skills	I received feedback from the training faculty during the evaluation	Feedback from the training faculty has been helpful to me	The training faculty evaluated me correctly	Feedback were based on concrete observations about me	The training faculty treated me respectfully	The training faculty indicated what I am doing correctly	The training faculty discussed the areas I can improve	Formulated next-term learning objects during these reviews together with me
No.of residents per each grade	0.042*	0.056	0.934	0.106	0.647	0.032*	0.035*	0.330	0.664	0.605	0.768
Grade	0.630	0.065	0.108	0.277	0.549	0.051	0.034*	0.589	0.256	0.505	0.370
Gender	0.576	0.345	0.766	0.591	0.760	0.715	0.451	0.637	0.949	0.521	0.558
Hospital location	0.241	0.033*	0.254	0.436	0.836	0.072	0.670	0.431	0.493	0.854	0.835

All p-values indicate if there is association between the CCE feedback and each response group. CCE: Core competency evaluation, No: Number, \*: P < 0.05