

**APPENDIX**

Supplement 1. Non-technical skills of trauma teams (N= 22 teams) after first and second Thorax injury patient simulations in autumn 2017 according to T-NOTECHS (5 = flawless teamwork and 1 = the team failed to demonstrate teamwork).

Domain variable	After 1 <sup>st</sup> Thorax injury simulation		After 2nd Thorax injury simulation		Change (points)		P -value*	
	Mean, ± SD <sup>^</sup> , (95%CI <sup>°</sup> )		Mean, ± SD, (95%CI)		Rater 1	Rater 2	Rater 1	Rater 2
	Rater 1	Rater 2	Rater 1	Rater 2				
Leadership	3.74 ± 0.81 (3.35-4.13)	4.11 ± 0.68 (3.77-4.45)	4.28 ± 0.58 (3.99-4.56)	4.47 ± 0.51 (4.21-4.74)	0.56	0.35	<.001	.009
Cooperation and resource management	3.58 ± 0.61 (3.29–3.87)	3.94 ± 0.55 (3.68–4.21)	4.17 ± 0.38 (3.98-4.36)	4.47 ± 0.51 (4.21-4.74)	0.61	0.47	<.001	.002
Communication and interaction	3.37 ± 0.60 (3.08-3.66)	3.50 ± 0.51 (3.24-3.76)	4.00 ± 0.59 (3.70-4.30)	4.24 ± 0.56 (3.95-4.52)	0.67	0.71	<.001	<.001
Assessment and decision making	3.58 ± 0.51 (3.33-3.82)	3.83 ± 0.62 (3.53-4.14)	3.94 ± 0.54 (3.68-4.21)	4.47 ± 0.51 (4.21-4.74)	0.38	0.65	.015	<.001
Situation awareness /coping with stress	3.68 ± 0.58 (3.40-3.96)	4.22 ± 0.55 (3.95-4.49)	4.28 ± 0.67 (3.95-4.61)	4.71 ± 0.47 (4.46-4.95)	0.61	0.47	.001	.002

<sup>^</sup>Standard deviation

<sup>°</sup>95% Confidence Interval

\*p values <.05 are deemed statistically significant (paired-samples t-test).

Supplement 2. Non-technical skills of trauma teams (N= 22 teams) after first and second Car accident patient simulations in autumn 2018 according to T-NOTECHS (5 = flawless teamwork and 1 = the team failed to demonstrate teamwork).

Domain variable	After 1st Car accident simulation		After 2nd Car accident simulation		Change (points)		P -value*	
	Mean, $\pm$ SD <sup>^</sup> , (95% CI <sup>°</sup> )		Mean, $\pm$ SD, (95% CI)		Rater 1	Rater 2	Rater 1	Rater 2
	Rater 1	Rater 2	Rater 1	Rater 2				
Leadership	4.05 $\pm$ 0.72 (3.73-4.37)	3.82 $\pm$ 0.59 (3.56-4.08)	4.64 $\pm$ 0.49 (4.42-4.85)	4.73 $\pm$ 0.55 (4.48-4.97)	0.59	0.91	<.001	<.001
Cooperation and resource management	3.91 $\pm$ 0.53 (3.68-4.14)	3.91 $\pm$ 0.53 (3.68-4.14)	4.45 $\pm$ 0.60 (4.19-4.72)	4.68 $\pm$ 0.48 (4.47-4.89)	0.54	0.77	.002	<.001
Communication and interaction	3.91 $\pm$ 0.53 (3.68-4.14)	3.82 $\pm$ 0.50 (3.60-4.04)	4.50 $\pm$ 0.51 (4.27-4.73)	4.50 $\pm$ 0.51 (4.27-4.73)	0.59	0.68	<.001	<.001
Assessment and decision making	4.14 $\pm$ 0.47 (3.93-4.34)	4.05 $\pm$ 0.49 (3.83-4.26)	4.36 $\pm$ 0.49 (4.15-4.58)	4.64 $\pm$ 0.58 (4.38-4.89)	0.22	0.59	.135	<.001
Situation awareness/coping with stress	4.41 $\pm$ 0.50 (4.19-4.63)	4.18 $\pm$ 0.50 (3.96-4.40)	4.77 $\pm$ 0.43 (4.58-4.96)	4.73 $\pm$ 0.46 (4.53-4.93)	0.36	0.45	.008	<.001

<sup>^</sup>Standard deviation

<sup>°</sup>95% Confidence Interval

\*p values <.05 are deemed statistically significant (paired-samples t-test).