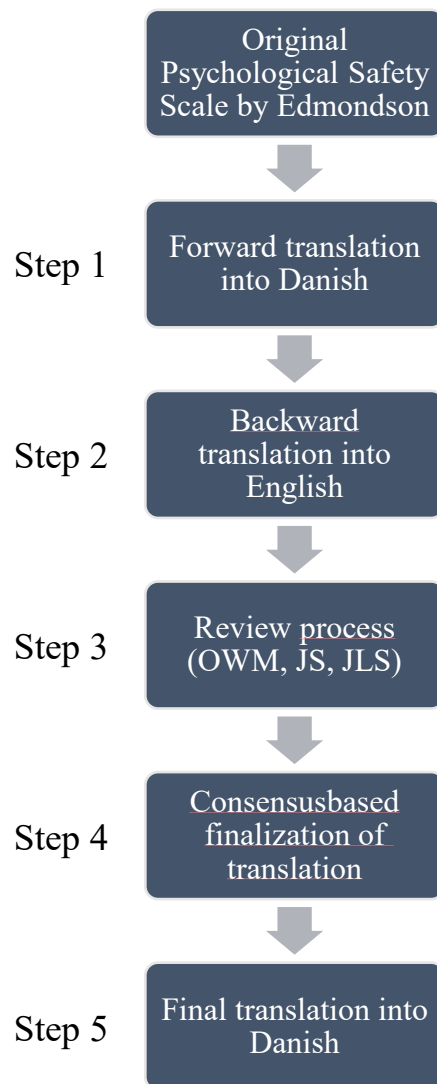


1 **Supplementary material**

2 Translation of Psychological Safety Scale

3 Our study “Healthcare professionals’ perception of the World Health Organization Surgical Safety
4 Checklist and psychological safety: a cross-sectional survey”, used a Danish translation (Table S1) of
5 Edmondsons¹ Psychological Safety Scale (PSS), which was originally developed and validated in
6 English. In a five-step process, we translated PSS into Danish using WHO translation guidelines² to
7 ensure the validity of the outcome data. A professional bilingual Danish-English translator did the
8 forward translation, and a professional native English-speaking translator did a blind backward
9 translation into English. In step 3, three researchers met to reach consensus on the Danish translation,
10 a process that resulted in the final translation (Figure S1).

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14 **Figure S1:** Overview of the five-step translation into Danish.

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16

17 **Table S1:** Danish translation of Edmondson's Psychological Safety Scale.

18

	Meget uenig	Uenig	Delvis enig	Enig	Meget Enig
1. Hvis man begår en fejl i dette team, bliver man ofte bebrejdet for det	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. Deltagerne i dette team er i stand til at tage problemer og svære emner op	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. I dette team afviser man nogle gange andre fordi de er anderledes.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. Man kan trygt tage en risiko i dette team	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. Det er vanskeligt at bede andre deltagere i dette team om hjælp	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6. Ingen i dette team ville med vilje handle på en måde, der underminerer min indsats	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7. Når jeg arbejder sammen med deltagere i dette team, bliver mine færdigheder og evner værdsat og udnyttet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

19

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21 **Additional results**

22 The distribution of items score for perceptions of the Surgical Safety Checklist (Table S2) and
 23 Psychological Safety Scale (Table S3) is based on a 5-point Likert scale.

24

25 **Table S2:** Distribution and frequency of scores for Surgical Safety Checklist

Surgical safety checklist item	1 Strongly disagree n (%)	2 Disagree n (%)	3 Partly agree n (%)	4 Agree n (%)	5 Strongly agree n (%)
1. I have received training in the clinical use of SSC	3 (3)	10 (10)	29 (29)	35 (35)	23 (23)
2. I am familiar with other staff groups' important items on the SSC	1 (1)	14 (14)	30 (30)	43 (43)	12 (12)
3. My colleagues listen when I review SSC items	0 (0)	10 (10)	39 (39)	39 (39)	12 (12)
4. SSC works best when only one person reviews all items on the checklist throughout all three phases (sign in, timeout, and sign out)	1 (1)	9 (9)	26 (26)	40 (40)	24 (24)
5. A visualization of SSC (e.g. poster) would help me review SSC items	0 (0)	24 (24)	22 (22)	31 (31)	23 (23)
6. SSC increases patient safety in the operating room	1 (1)	0 (0)	10 (10)	31 (31)	58 (58)
7. SSC provides the opportunity to reflect on the operation	1 (1)	4 (4)	18 (18)	34 (34)	43 (43)
8. SSC provides structure in the operating room	3 (3)	4 (4)	19 (19)	37 (37)	37 (37)
9. SSC enhances interdisciplinary team-work in the operating room	3 (3)	3 (3)	29 (29)	28 (28)	37 (37)
10. SSC is unnecessarily time-consuming	46 (46)	43 (43)	8 (8)	3 (3)	0 (0)
11. It would be a good idea to add a couple of minutes to reflect on the operation that	1 (1)	4 (4)	18 (18)	34 (34)	43 (43)

just took place in continuation of the 'timeout phase'					
12. I think that there is a need to implement a project on training to use SSC correctly	5 (5)	32 (32)	20 (20)	26 (26)	17 (17)

26 SSC, Surgical Safety Checklist

27

28 **Table S3:** Distribution and frequency of scores for Psychological Safety Scale.

Psychological Safety Scale items	1 Strongly disagree n (%)	2 Disagree n (%)	3 Partly agree n (%)	4 Agree n (%)	5 Strongly agree n (%)
I. If you make a mistake on this team, it is often held against you (R)	0 (0)	2 (2)	11 (11)	65 (65)	22 (22)
II. Members of this team are able to bring up problems and tough issues	0 (0)	5 (5)	44 (44)	44 (44)	7 (7)
III. People on this team sometimes reject others for being different (R)	1 (1)	4 (4)	13 (13)	61 (61)	21 (21)
IV. It is safe to take a risk on this team	2 (2)	9 (9)	42 (42)	41 (41)	6 (6)
V. It is difficult to ask other members of this team for help (R)	1 (1)	5 (5)	8 (8)	55 (55)	31 (31)
VI. No one on this team would deliberately act in a way that undermines my efforts	2 (2)	6 (6)	15 (15)	49 (49)	28 (28)
VII. Working with members of this team, my unique skills and talents are valued and utilized	0 (0)	2 (2)	28 (28)	53 (53)	17 (17)

29 R = Reversed scored.

30

31 **Table S4:** Statistical analysis of perceptions of Surgical Safety Checklist and Psychological Safety
32 Scale.

Outcome	Professions	Difference, (CI 95%)	p-value
Surgical Safety Checklist			
	Residents-Gynecologists	0.07 (-0.72 to 0.85)	1
	Anesthesiologists-Gynecologists	0.37 (-0.5 to 1.25)	0.76

1. I have received training in the clinical use of SSC	OR Nurses-Gynecologists	1.41 (0.69 to 2.13)	<0.001
	Nurse anesthetists-Gynecologists	0.7 (-0.08 to 1.48)	0.1
	Anesthesiologists-Residents	0.3 (-0.6 to 1.2)	0.88
	OR Nurses-Residents	1.34 (0.59 to 2.1)	<0.001
	Nurse anesthetists-Residents	0.63 (-0.18 to 1.44)	0.2
	OR Nurses-Anesthesiologists	1.04 (0.19 to 1.89)	0.008
	Nurse anesthetists-Anesthesiologists	0.33 (-0.57 to 1.23)	0.85
	Nurse anesthetists-OR Nurses	-0.71 (-1.46 to 0.04)	0.07
2. I am familiar with other staff groups' important items on the SSC	Residents-Gynecologists	-0.22 (-1 to 0.56)	0.93
	Anesthesiologists-Gynecologists	0.42 (-0.45 to 1.29)	0.66
	OR Nurses-Gynecologists	0.5 (-0.22 to 1.21)	0.31
	Nurse anesthetists-Gynecologists	0.52 (-0.26 to 1.29)	0.35
	Anesthesiologists-Residents	0.64 (-0.25 to 1.53)	0.28
	OR Nurses-Residents	0.72 (-0.03 to 1.46)	0.07
	Nurse anesthetists-Residents	0.74 (-0.07 to 1.54)	0.09
	OR Nurses-Anesthesiologists	0.08 (-0.76 to 0.96)	1
	Nurse anesthetists-Anesthesiologists	0.1 (-0.79 to 0.99)	1
	Nurse anesthetists-OR Nurses	0.02 (-0.73 to 0.77)	1
3. My colleagues listen when I review SSC items	Residents-Gynecologists	0.42 (-0.24 to 1.08)	0.39
	Anesthesiologists-Gynecologists	0.16 (-0.57 to 0.9)	0.97
	OR Nurses-Gynecologists	-0.49 (-1.1 to 0.12)	0.18
	Nurse anesthetists-Gynecologists	-0.63 (-1.29 to 0.03)	0.07
	Anesthesiologists-Residents	-0.26 (-1.02 to 0.5)	0.88
	OR Nurses-Residents	-0.91 (-1.55 to -0.28)	0.001
	Nurse anesthetists-Residents	-1.05 (-1.74 to -0.37)	0.002
	OR Nurses-Anesthesiologists	-0.65 (-1.37 to 0.06)	0.09
	Nurse anesthetists-Anesthesiologists	-0.79 (-1.55 to -0.04)	0.04
	Nurse anesthetists-OR Nurses	-0.14 (-0.77 to 0.5)	0.97
4. SSC works best when only one person reviews all items on the checklist throughout all three phases (sign in, timeout, and sign out)	Residents-Gynecologists	-0.1 (-0.93 to 0.74)	1
	Anesthesiologists-Gynecologists	0.12 (-0.82 to 1.05)	1
	OR Nurses-Gynecologists	0.08 (-0.69 to 0.86)	1
	Nurse anesthetists-Gynecologists	0.17 (-0.67 to 1.01)	0.98
	Anesthesiologists-Residents	0.21 (-0.75 to 1.18)	0.97
	OR Nurses-Residents	0.18 (-0.63 to 0.98)	0.97
	Nurse anesthetists-Residents	0.26 (-0.6 to 1.13)	0.92
	OR Nurses-Anesthesiologists	-0.04 (-0.95 to 0.87)	1
	Nurse anesthetists-Anesthesiologists	0.05 (-0.91 to 1.01)	1
	Nurse anesthetists-OR Nurses	0.09 (-0.72 to 0.89)	1
5. A visualization of SSC (e.g. poster) would help me review SSC items	Residents-Gynecologists	0.59 (-0.29 to 1.47)	0.34
	Anesthesiologists-Gynecologists	-0.11 (-1.09 to 0.87)	1
	OR Nurses-Gynecologists	-0.77 (-1.58 to 0.05)	0.07
	Nurse anesthetists-Gynecologists	-0.41 (-1.29 to 0.47)	0.69
	Anesthesiologists-Residents	-0.7 (-1.71 to 0.31)	0.31
	OR Nurses-Residents	-1.35 (-2.2 to -0.51)	<0.001
	Nurse anesthetists-Residents	-1 (-1.91 to -0.09)	0.02

	OR Nurses-Anesthesiologists	-0.65 (-1.6 to 0.3)	0.32	
	Nurse anesthetists-Anesthesiologists	-0.3 (-1.31 to 0.71)	0.92	
	Nurse anesthetists-OR Nurses	0.35 (-0.49 to 1.2)	0.77	
6. SSC increases patient safety in the operating room	Residents-Gynecologists	0.47 (-0.15 to 1.09)	0.22	
	Anesthesiologists-Gynecologists	-0.32 (-1.01 to 0.37)	0.71	
	OR Nurses-Gynecologists	0.26 (-0.31 to 0.83)	0.72	
	Nurse anesthetists-Gynecologists	0.16 (-0.46 to 0.78)	0.96	
	Anesthesiologists-Residents	-0.79 (-1.5 to -0.08)	0.02	
	OR Nurses-Residents	-0.21 (-0.81 to 0.38)	0.86	
	Nurse anesthetists-Residents	-0.32 (-0.96 to 0.33)	0.65	
	OR Nurses-Anesthesiologists	0.58 (-0.1 to 1.25)	0.13	
	Nurse anesthetists-Anesthesiologists	0.47 (-0.24 to 1.19)	0.35	
	Nurse anesthetists-OR Nurses	-0.1 (-0.7 to 0.49)	0.99	
	7. SSC provides the opportunity to reflect on the operation	Residents-Gynecologists	0.73 (-0.04 to 1.5)	0.07
		Anesthesiologists-Gynecologists	-0.42 (-1.27 to 0.44)	0.66
OR Nurses-Gynecologists		0.35 (-0.36 to 1.06)	0.64	
Nurse anesthetists-Gynecologists		0.05 (-0.72 to 0.81)	1	
Anesthesiologists-Residents		-1.15 (-2.03 to -0.27)	0.008	
OR Nurses-Residents		-0.38 (-1.11 to 0.36)	0.62	
Nurse anesthetists-Residents		-0.68 (-1.48 to 0.11)	0.12	
OR Nurses-Anesthesiologists		0.77 (-0.06 to 1.6)	0.08	
Nurse anesthetists-Anesthesiologists		0.46 (-0.42 to 1.34)	0.59	
Nurse anesthetists-OR Nurses		-0.31 (-1.05 to 0.43)	0.77	
8. SSC provides structure in the operating room	Residents-Gynecologists	0.57 (-0.26 to 1.4)	0.32	
	Anesthesiologists-Gynecologists	-0.19 (-1.11 to 0.74)	0.98	
	OR Nurses-Gynecologists	-0.03 (-0.8 to 0.74)	1	
	Nurse anesthetists-Gynecologists	-0.06 (-0.89 to 0.77)	1	
	Anesthesiologists-Residents	-0.76 (-1.71 to 0.2)	0.19	
	OR Nurses-Residents	-0.6 (-1.41 to 0.2)	0.23	
	Nurse anesthetists-Residents	-0.63 (-1.49 to 0.23)	0.26	
	OR Nurses-Anesthesiologists	0.15 (-0.75 to 1.06)	0.99	
	Nurse anesthetists-Anesthesiologists	0.13 (-0.83 to 1.08)	1	
	Nurse anesthetists-OR Nurses	-0.03 (-0.83 to 0.77)	1	
9. SSC enhances interdisciplinary team-work in the operating room	Residents-Gynecologists	0.22 (-0.64 to 1.07)	0.95	
	Anesthesiologists-Gynecologists	-0.66 (-1.61 to 0.29)	0.31	
	OR Nurses-Gynecologists	-0.12 (-0.91 to 0.67)	0.99	
	Nurse anesthetists-Gynecologists	-0.15 (-1 to 0.7)	0.99	
	Anesthesiologists-Residents	-0.88 (-1.86 to 0.1)	0.1	
	OR Nurses-Residents	-0.34 (-1.16 to 0.48)	0.78	
	Nurse anesthetists-Residents	-0.37 (-1.25 to 0.52)	0.77	
	OR Nurses-Anesthesiologists	0.54 (-0.39 to 1.46)	0.49	
	Nurse anesthetists-Anesthesiologists	0.51 (-0.47 to 1.49)	0.6	
	Nurse anesthetists-OR Nurses	-0.03 (-0.85 to 0.79)	1	
10. SSC is unnecessarily time-consuming	Residents-Gynecologists	0.05 (-0.59 to 0.69)	1	
	Anesthesiologists-Gynecologists	0.44 (-0.28 to 1.16)	0.43	

	OR Nurses-Gynecologists	-0.06 (-0.65 to 0.53)	1
	Nurse anesthetists-Gynecologists	-0.11 (-0.75 to 0.53)	0.99
	Anesthesiologists-Residents	0.39 (-0.34 to 1.13)	0.58
	OR Nurses-Residents	-0.11 (-0.72 to 0.51)	0.99
	Nurse anesthetists-Residents	-0.16 (-0.82 to 0.51)	0.96
	OR Nurses-Anesthesiologists	-0.5 (-1.2 to 0.2)	0.27
	Nurse anesthetists-Anesthesiologists	-0.55 (-1.29 to 0.19)	0.24
	Nurse anesthetists-OR Nurses	-0.05 (-0.67 to 0.57)	1
11. It would be a good idea to add a couple of minutes to reflect on the operation that just took place in continuation of the 'timeout phase'	Residents-Gynecologists	0.52 (-0.43 to 1.47)	0.55
	Anesthesiologists-Gynecologists	0.59 (-0.47 to 1.66)	0.53
	OR Nurses-Gynecologists	0.63 (-0.25 to 1.51)	0.27
	Nurse anesthetists-Gynecologists	0.47 (-0.48 to 1.42)	0.65
	Anesthesiologists-Residents	0.07 (-1.02 to 1.17)	1
	OR Nurses-Residents	0.11 (-0.81 to 1.03)	1
	Nurse anesthetists-Residents	-0.05 (-1.04 to 0.93)	1
	OR Nurses-Anesthesiologists	0.04 (-0.99 to 1.07)	1
	Nurse anesthetists-Anesthesiologists	-0.13 (-1.22 to 0.97)	1
	Nurse anesthetists-OR Nurses	-0.16 (-1.08 to 0.75)	0.99
12. I think that there is a need to implement a project on training to use SSC correctly	Residents-Gynecologists	0.72 (-0.3 to 1.73)	0.3
	Anesthesiologists-Gynecologists	-0.17 (-1.31 to 0.97)	0.99
	OR Nurses-Gynecologists	0.67 (-0.27 to 1.62)	0.28
	Nurse anesthetists-Gynecologists	0.19 (-0.83 to 1.21)	0.99
	Anesthesiologists-Residents	-0.89 (-2.06 to 0.28)	0.23
	OR Nurses-Residents	-0.04 (-1.02 to 0.94)	1
	Nurse anesthetists-Residents	-0.53 (-1.58 to 0.53)	0.64
	OR Nurses-Anesthesiologists	0.85 (-0.26 to 1.95)	0.22
	Nurse anesthetists-Anesthesiologists	0.36 (-0.81 to 1.53)	0.91
	Nurse anesthetists-OR Nurses	-0.49 (-1.47 to 0.5)	0.64
Psychological Safety Scale			
I. If you make a mistake on this team, it is often held against you (R)	Residents-Gynecologists	0.43 (-0.13 to 0.99)	0.21
	Anesthesiologists-Gynecologists	0.12 (-0.51 to 0.74)	0.98
	OR Nurses-Gynecologists	0.23 (-0.28 to 0.75)	0.72
	Nurse anesthetists-Gynecologists	0.22 (-0.34 to 0.78)	0.81
	Anesthesiologists-Residents	-0.31 (-0.96 to 0.33)	0.66
	OR Nurses-Residents	-0.2 (-0.74 to 0.34)	0.85
	Nurse anesthetists-Residents	-0.21 (-0.79 to 0.37)	0.85
	OR Nurses-Anesthesiologists	0.12 (-0.49 to 0.72)	0.98
	Nurse anesthetists-Anesthesiologists	0.1 (-0.54 to 0.75)	0.99
	Nurse anesthetists-OR Nurses	-0.01 (-0.55 to 0.53)	1
II. Members of this team are able to bring up problems and tough issues	Residents-Gynecologists	-0.43 (-1.03 to 0.18)	0.3
	Anesthesiologists-Gynecologists	-0.1 (-0.78 to 0.58)	0.99
	OR Nurses-Gynecologists	-0.1 (-0.66 to 0.47)	0.99
	Nurse anesthetists-Gynecologists	0.05 (-0.56 to 0.66)	1
	Anesthesiologists-Residents	0.33 (-0.37 to 1.03)	0.69
	OR Nurses-Residents	0.33 (-0.26 to 0.91)	0.53

	Nurse anesthetists-Residents	0.47 (-0.61 to 1.1)	0.23
	OR Nurses-Anesthesiologists	0 (-0.66 to 0.66)	1
	Nurse anesthetists-Anesthesiologists	0.15 (-0.55 to 0.85)	0.98
	Nurse anesthetists-OR Nurses	0.15 (-0.44 to 0.73)	0.96
III. People on this team sometimes reject others for being different (R)	Residents-Gynecologists	0.51 (-0.16 to 1.18)	0.22
	Anesthesiologists-Gynecologists	0.09 (-0.66 to 0.84)	1
	OR Nurses-Gynecologists	0.01 (-0.61 to 0.63)	1
	Nurse anesthetists-Gynecologists	0.04 (-0.63 to 0.71)	1
	Anesthesiologists-Residents	-0.42 (-1.19 to 0.35)	0.55
	OR Nurses-Residents	-0.5 (-1.14 to 0.15)	0.21
	Nurse anesthetists-Residents	-0.47 (-1.17 to 0.22)	0.32
	OR Nurses-Anesthesiologists	-0.08 (-0.8 to 0.65)	1
	Nurse anesthetists-Anesthesiologists	-0.05 (-0.82 to 0.72)	1
	Nurse anesthetists-OR Nurses	0.02 (-0.62 to 0.67)	1
IV. It is safe to take a risk on this team	Residents-Gynecologists	-0.56 (-1.25 to 0.13)	0.17
	Anesthesiologists-Gynecologists	0.24 (-0.53 to 1.01)	0.91
	OR Nurses-Gynecologists	0.08 (-0.55 to 0.72)	1
	Nurse anesthetists-Gynecologists	0.02 (-0.67 to 0.71)	1
	Anesthesiologists-Residents	0.8 (0.01 to 1.59)	0.05
	OR Nurses-Residents	0.64 (-0.02 to 1.31)	0.06
	Nurse anesthetists-Residents	0.58 (-0.13 to 1.29)	0.17
	OR Nurses-Anesthesiologists	-0.15 (-0.9 to 0.59)	0.98
	Nurse anesthetists-Anesthesiologists	-0.22 (-1.01 to 0.57)	0.94
	Nurse anesthetists-OR Nurses	-0.06 (-0.73 to 0.6)	1
V. It is difficult to ask other members of this team for help (R)	Residents-Gynecologists	0.61 (-0.1 to 1.32)	0.12
	Anesthesiologists-Gynecologists	0.53 (-0.26 to 1.32)	0.34
	OR Nurses-Gynecologists	0.38 (-0.28 to 1.03)	0.5
	Nurse anesthetists-Gynecologists	0.4 (-0.31 to 1.11)	0.52
	Anesthesiologists-Residents	-0.08 (-0.9 to 0.73)	1
	OR Nurses-Residents	-0.23 (-0.92 to 0.45)	0.87
	Nurse anesthetists-Residents	-0.21 (-0.95 to 0.52)	0.93
	OR Nurses-Anesthesiologists	-0.15 (-0.92 to 0.62)	0.98
	Nurse anesthetists-Anesthesiologists	-0.13 (-0.95 to 0.69)	0.99
	Nurse anesthetists-OR Nurses	0.02 (-0.66 to 0.71)	1
VI. No one on this team would deliberately act in a way that undermines my efforts	Residents-Gynecologists	-0.1 (-0.92 to 0.73)	1
	Anesthesiologists-Gynecologists	-0.28 (-1.2 to 0.64)	0.92
	OR Nurses-Gynecologists	-0.12 (-0.88 to 0.64)	0.99
	Nurse anesthetists-Gynecologists	-0.1 (-0.92 to 0.73)	1
	Anesthesiologists-Residents	-0.18 (-1.12 to 0.77)	0.98
	OR Nurses-Residents	-0.02 (-0.82 to 0.77)	1
	Nurse anesthetists-Residents	0 (-0.85 to 0.85)	1
	OR Nurses-Anesthesiologists	0.15 (-0.74 to 1.05)	0.99
	Nurse anesthetists-Anesthesiologists	0.18 (-0.77 to 1.12)	0.98
	Nurse anesthetists-OR Nurses	0.02 (-0.77 to 0.82)	1
	Residents-Gynecologists	-0.46 (-1.05 to 0.13)	0.2

VII. Working with members of this team, my unique skills and talents are valued and utilized	Anesthesiologists-Gynecologists	0.06 (-0.6 to 0.72)	1
	OR Nurses-Gynecologists	-0.44 (-0.98 to 0.11)	0.18
	Nurse anesthetists-Gynecologists	-0.25 (-0.84 to 0.34)	0.77
	Anesthesiologists-Residents	0.52 (-0.16 to 1.2)	0.21
	OR Nurses-Residents	0.02 (-0.55 to 0.59)	1
	Nurse anesthetists-Residents	0.21 (-0.4 to 0.82)	0.87
	OR Nurses-Anesthesiologists	-0.5 (-1.14 to 0.14)	0.2
	Nurse anesthetists-Anesthesiologists	-0.31 (-0.99 to 0.37)	0.71
	Nurse anesthetists-OR Nurses	0.19 (-0.38 to 0.76)	0.89
Psychological Safety Scale Sum Score			
Total mean sum score	Residents-Gynecologists	-3.94 (-7.4 to -0.51)	0.02
	Anesthesiologists-Gynecologists	-1.04 (-4.36 to 2.3)	0.9
	OR Nurses-Gynecologists	-1.7 (-4.6 to 1.2)	0.49
	Nurse anesthetists-Gynecologists	-0.9 (-3.8 to 2.03)	0.91
	Anesthesiologists-Residents	2.89 (-0.73 to 6.5)	0.18
	OR Nurses-Residents	2.24 (-0.68 to 5.16)	0.21
	Nurse anesthetists-Residents	3.04 (-0.53 to 6.6)	0.13
	OR Nurses-Anesthesiologists	-0.65 (-3.89 to 2.58)	0.98
	Nurse anesthetists-Anesthesiologists	0.15 (-3.28 to 3.57)	1
	Nurse anesthetists-OR Nurses	0.8 (-2.25 to 3.85)	0.95

33 All analysis are adjusted for multiple testing. CI, Confidence Interval; PSS, Psychological Safety
34 Score; SSC, Surgical Safety Checklist

35

36

37 **Table S5:** Associations between Psychological Safety Sum score and perceptions of Surgical Safety
38 Checklist, adjusted for age and profession.

Outcome	Exposure	Difference, (CI 95%)	p-value
Psychological Safety Scale sum score	1. I have received training in the clinical use of SSC	0.62 (-0.14 to 1.39)	0.11
	2. I am familiar with other staff groups' important items on the SSC	0.8 (0.04 to 1.57)	0.04*
	3. My colleagues listen when I review SSC items	1.25 (0.36 to 2.14)	0.006
	4. SSC works best when only one person reviews all items on the checklist throughout all three phases (sign in, timeout, and sign out)	0.66 (-0.06 to 1.37)	0.07
	5. A visualization of SSC (e.g. poster) would help me review SSC items	0.05 (-0.64 to 0.75)	0.88
	6. SSC increases patient safety in the operating room	0.93 (-0.04 to 1.89)	0.06
	7. SSC provides the opportunity to reflect on the operation	0.71 (-0.07 to 1.49)	0.08
	8. SSC provides structure in the operating room	0.86 (0.15 to 1.57)	0.02
	9. SSC enhances interdisciplinary teamwork in the operating room	1.1 (0.53 to 1.78)	0.002

	10. SSC is unnecessarily time-consuming	-1.37 (-2.27 to -0.46)	0.004
	11. It would be a good idea to add a couple of minutes to reflect on the operation that just took place in continuation of the 'timeout phase'	-0.05 (-0.69 to 0.59)	0.89
	12. I think that there is a need to implement a project on training to use SSC correctly	0.16 (-0.44 to 0.75)	0.61

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* When looking at this association, an observation with a low SSC item score and a low psychological safety score was seen, and when removing this one influential observation, the association did not persist (0.6, 95 % CI -0.15 to 1.43, p=0.11). We therefore did not consider this as an association.

CI, Confidence Interval; PSS, Psychological Safety Score; SSC, Surgical Safety Checklist

1. Edmondson A. Psychological Safety and Learning Behavior in Work Teams. *Administrative science quarterly* 1999;44(2):350-83. doi: 10.2307/2666999
2. <https://www.coursehero.com/file/30372721/WHO-Process-of-translation-and-adaptation-of-instrumentspdf/>. Accessed March 2024 [