Appendix:

Survey for the surgeons:

Q1	What is your age	1	20-30
		2	31-40
		3	41-50
		4	51-60
		5	61-70
		6	>70
Q2	What is your gender	1	female
		2	male
Q3	In which surgical specialty are you working	1	General Surgery
		2	Colorectal Surgery
		3	Upper GI Surgery
		4	Bariatric/Endocrine
		5	Surgery Orthopedic/Trauma
		J	Surgery
		6	Other Surgical Specialty (ENT, Urology, Gynaecology,
		7	Ophtalmology) Other non surgical
			specialty
		8	Not a medical professional
Q4	What type of hospital do you work at	1	General
	Think type of noophia ac you work at	2	District
		3	Specialised
Q5	At what Level of institutional/hospital hirarchy are you currently working	1	Senior or Chief
Ψ.	The state of the		Consultant
		2	Junior Consultant
		3	Doctor in Training
		4	Nurse
		5	Self employed/Private Practice
		6	Others
Q6.1	Improvement in surgical treatment quality is needed in the following categories:	1	strongly disagree
	Structure (Context in which care is delivered: Utilities, Financing, Staff)	2	disagree
		3	not decided
		4	
			agree
000		5	strongly agree
Q6.2	Improvement in surgical treatment quality is needed in the following categories: Process (Transaction between patients and providers)	1	strongly disagree
		2	disagree
		3	not decided
		4	agree
		5	strongly agree
Q6.3	Improvement in surgical treatment quality is needed in the following categories: Outcome Measurement (Effects of healthcare on the health status of patients)	1	strongly disagree
		2	disagree
		3	not decided
		4	agree
		5	strongly agree
		1	no Comment given
		2	Comment given
Q7.1	Please rank the following categories according to their capability to improve overall quality (1 biggest impact, 3 lowest impact) Structure (Context in which care is delivered: Utilities, Financing, Staff)	1	highest impact
		2	
		3	lowest impact
Q7.2	Please rank the following categories according to their capability to improve overall quality (1 biggest impact, 3 lowest impact) Structure (Context in which care is delivered: Utilities, Financing, Staff)	1	highest impact

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		4	agree
		5	strongly agree
Q9.4	Which of the following steps can improve overall quality AND need further investigation	1	strongly disagree
	IIIVESugation	2	disagree
		3	not decided
		4	agree
		5	strongly agree
Q9.5	Which of the following steps can improve overall quality AND need further investigation	1	strongly disagree
		2	disagree
		3	not decided
		4	agree
		5	strongly agree
		1	no Comment given
		2	Comment given
Q10.1	Looking at specific elements of the intraoperative phase of care the following element will have a big impact on overall quality	1	strongly disagree
		2	disagree
		3	not decided
		4	agree
		5	strongly agree
Q10.2	Looking at specific elements of the intraoperative phase of care the following element will have a big impact on overall quality	1	strongly disagree
		2	disagree
		3	not decided
		4	agree
		5	strongly agree
Q10.3	Looking at specific elements of the intraoperative phase of care the following element will have a big impact on overall quality	1	strongly disagree
		2	disagree
		3	not decided
		4	agree
		5	strongly agree
Q10.4	Looking at specific elements of the intraoperative phase of care the following element will have a big impact on overall quality	1	strongly disagree
		2	disagree
		3	not decided
		4	agree
		5	strongly agree
		1	no Comment given
		2	Comment given
Q11.1	What is your experience with intraoperative processes at your institution?	1	strongly disagree
		2	disagree
		3	not decided
		4	agree
-		5	strongly agree
Q11.2	What is your experience with intraoperative processes at your institution?	1	strongly disagree
		2	disagree
		3	not decided
		4	agree
		5	strongly agree
		1	no Comment given
		2	Comment given
Q12.1	Concerning the team members and preoperative readiness	1	strongly disagree
		2	disagree
		3	not decided
		4	agree
		5	strongly agree
Q12.2	Concerning the team members and preoperative readiness	1	strongly disagree
_		2	disagree
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	not decided

		1	ograc
		4	agree
040.0		5	strongly agree
Q12.3	Concerning the team members and preoperative readiness	1	strongly disagree
		2	disagree
		3	not decided
		4	agree
		5	strongly agree
		1	no Comment given
		2	Comment given
Q13.1	The following team members of the operating team are informed about the indication for, the type of and the milestones of the procedure?	1	strongly disagree
		2	disagree
		3	not decided
		4	agree
		5	strongly agree
Q13.2	The following team members of the operating team are informed about the indication for, the type of and the milestones of the procedure?	1	strongly disagree
		2	disagree
		3	not decided
		4	agree
		5	strongly agree
Q13.3	The following team members of the operating team are informed about the indication for, the type of and the milestones of the procedure?	1	strongly disagree
		2	disagree
		3	not decided
		4	agree
		5	strongly agree
Q13.4	The following team members of the operating team are informed about the indication for, the type of and the milestones of the procedure?	1	strongly disagree
		2	disagree
		3	not decided
		4	agree
		5	strongly agree
		1	no Comment given
		2	Comment given
Q14.1	Please rank the following aspects in their capability to affect outcome	1	highest impact
		2	
		3	lowest impact
Q14.2	Please rank the following aspects in their capability to affect outcome	1	highest impact
		2	
		3	lowest impact
Q14.3	Please rank the following aspects in their capability to affect outcome	1	highest impact
		2	
		3	lowest impact
Q15.1	Addressing the improvement of intraoperative processes the following intervention will most likely be effective in avoiding intraoperative delays/variability of operation times	1	strongly disagree
		2	disagree
		3	not decided
		4	agree
		5	strongly agree
Q15.2	Addressing the improvement of intraoperative processes the following intervention will most likely be effective in avoiding intraoperative delays/variability of operation times	1	strongly disagree
	, , , , , , , , , , , , , , , , , , , ,	2	disagree
		3	not decided
		4	agree
		5	strongly agree
Q15.3	Addressing the improvement of intraoperative processes the following	1	strongly disagree
	intervention will most likely be effective in avoiding intraoperative delays/variability of operation times		
		2	disagree
		3	not decided

			4	agree
			5	strongly agree
Q15.4	Addressing the improvement of intraoperative intervention will most likely be effective in avoidelays/variability of operation times		1	strongly disagree
	delays/variability of operation times		2	disagree
			3	not decided
			4	agree
			5	strongly agree
Q15.5	Addressing the improvement of intraoperative intervention will most likely be effective in avoi delays/variability of operation times	processes the following iding intraoperative	1	strongly disagree
			2	disagree
			3	not decided
			4	agree
			5	strongly agree
Q15.6	Addressing the improvement of intraoperative intervention will most likely be effective in avoidelays/variability of operation times		1	strongly disagree
			2	disagree
			3	not decided
			4	agree
			5	strongly agree
			1	no Comment given
			2	Comment given
Q16.1	Addressing the improvement of intraoperative intervention will be effective in avoiding intraoperative		1	strongly disagree
			2	disagree
			3	not decided
			4	agree
			5	strongly agree
Q16.2	Addressing the improvement of intraoperative intervention will be effective in avoiding intraoperative		1	strongly disagree
			2	disagree
			3	not decided
			5	agree strongly agree
				⊥ strongty agree
040.0	A delegation the first section of the first section			
Q16.3	Addressing the improvement of intraoperative intervention will be effective in avoiding intrao	processes the following perative complications	1	strongly disagree
Q16.3	Addressing the improvement of intraoperative intervention will be effective in avoiding intrao	processes the following perative complications	1 2	strongly disagree disagree
Q16.3	Addressing the improvement of intraoperative intervention will be effective in avoiding intrao	processes the following perative complications	1 2 3	strongly disagree disagree not decided
Q16.3	Addressing the improvement of intraoperative intervention will be effective in avoiding intraoperative	processes the following perative complications	1 2 3 4	strongly disagree disagree not decided agree
	intervention will be effective in avoiding intrao	perative complications	1 2 3 4 5	strongly disagree disagree not decided agree strongly agree
Q16.3 Q16.4	Addressing the improvement of intraoperative intervention will be effective in avoiding intraoperative intervention will be effective in avoiding intraoperative intervention will be effective in avoiding intraoperative	processes the following	1 2 3 4 5	strongly disagree disagree not decided agree strongly agree strongly disagree
	intervention will be effective in avoiding intrao	processes the following	1 2 3 4 5 1	strongly disagree disagree not decided agree strongly agree strongly disagree disagree
	intervention will be effective in avoiding intrao	processes the following	1 2 3 4 5 1	strongly disagree disagree not decided agree strongly agree strongly disagree disagree not decided
	intervention will be effective in avoiding intrao	processes the following	1 2 3 4 5 1 2 3 4	strongly disagree disagree not decided agree strongly agree strongly disagree disagree not decided agree
	Addressing the improvement of intraoperative intervention will be effective in avoiding intraoperative intervention will be effective in avoiding intraoperative intervention will be effective in avoiding intraoperative	processes the following perative complications processes the following perative complications	1 2 3 4 5 1	strongly disagree disagree not decided agree strongly agree strongly disagree disagree not decided
Q16.4	Addressing the improvement of intraoperative intervention will be effective in avoiding intraoperative intervention will be effective in avoiding intraoperative	processes the following perative complications processes the following perative complications	1 2 3 4 5 1 2 3 4 5	strongly disagree disagree not decided agree strongly agree strongly disagree disagree not decided agree strongly agree strongly agree strongly agree
Q16.4	Addressing the improvement of intraoperative intervention will be effective in avoiding intraoperative intervention will be effective in avoiding intraoperative intervention will be effective in avoiding intraoperative	processes the following perative complications processes the following perative complications	1 2 3 4 5 1 2 3 4 5 1	strongly disagree disagree not decided agree strongly agree strongly disagree disagree not decided agree strongly agree strongly agree strongly agree strongly agree strongly disagree
Q16.4	Addressing the improvement of intraoperative intervention will be effective in avoiding intraoperative intervention will be effective in avoiding intraoperative intervention will be effective in avoiding intraoperative	processes the following perative complications processes the following perative complications	1 2 3 4 5 1 2 3 4 5 1 2 3 4 5	strongly disagree disagree not decided agree strongly agree strongly disagree disagree not decided agree strongly agree strongly agree disagree strongly agree strongly agree strongly disagree not decided agree not decided
Q16.4	Addressing the improvement of intraoperative intervention will be effective in avoiding intraoperative intervention will be effective in avoiding intraoperative intervention will be effective in avoiding intraoperative	processes the following perative complications processes the following perative complications	1 2 3 4 5 1 2 3 4 5 1 2 3 4 5	strongly disagree disagree not decided agree strongly agree strongly disagree disagree not decided agree strongly agree strongly agree disagree strongly agree strongly agree strongly agree strongly disagree not decided agree not decided agree
Q16.4	Addressing the improvement of intraoperative intervention will be effective in avoiding intraoperative.	processes the following perative complications processes the following perative complications processes the following perative complications processes the following perative complications	1 2 3 4 5 1 2 3 4 5 1 2 3 4 5	strongly disagree disagree not decided agree strongly agree strongly disagree disagree not decided agree strongly agree strongly agree disagree strongly agree strongly agree strongly disagree not decided agree not decided
Q16.4 Q16.5	Addressing the improvement of intraoperative intervention will be effective in avoiding intraoperative	processes the following perative complications processes the following perative complications processes the following perative complications processes the following perative complications	1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1	strongly disagree disagree not decided agree strongly agree strongly disagree disagree not decided agree strongly agree strongly agree strongly agree strongly agree strongly disagree disagree not decided agree strongly disagree strongly agree strongly agree strongly agree
Q16.4 Q16.5	Addressing the improvement of intraoperative intervention will be effective in avoiding intraoperative.	processes the following perative complications processes the following perative complications processes the following perative complications processes the following perative complications	1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1	strongly disagree disagree not decided agree strongly agree strongly disagree disagree not decided agree strongly agree strongly agree strongly agree strongly disagree disagree not decided agree strongly disagree disagree strongly agree strongly agree strongly agree strongly agree
Q16.4 Q16.5	Addressing the improvement of intraoperative intervention will be effective in avoiding intraoperative.	processes the following perative complications processes the following perative complications processes the following perative complications processes the following perative complications	1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1	strongly disagree disagree not decided agree strongly agree strongly disagree disagree not decided agree strongly agree strongly agree strongly disagree disagree not decided agree strongly disagree disagree not decided agree strongly agree strongly agree strongly disagree not decided agree strongly disagree not decided
Q16.4 Q16.5	Addressing the improvement of intraoperative intervention will be effective in avoiding intraoperative.	processes the following perative complications processes the following perative complications processes the following perative complications processes the following perative complications	1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1	strongly disagree disagree not decided agree strongly agree strongly disagree disagree not decided agree strongly agree strongly agree strongly disagree disagree not decided agree strongly disagree disagree not decided agree strongly agree strongly agree strongly agree strongly disagree not decided agree strongly disagree disagree not decided agree
Q16.4 Q16.5	Addressing the improvement of intraoperative intervention will be effective in avoiding intraoperative.	processes the following perative complications processes the following perative complications processes the following perative complications processes the following perative complications	1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1	strongly disagree disagree not decided agree strongly agree strongly disagree disagree not decided agree strongly agree strongly agree strongly disagree disagree not decided agree strongly disagree disagree not decided agree strongly agree strongly agree strongly disagree not decided agree strongly disagree not decided

Q17.1	The following element is a likely pitfall in quality improvement programs for intraoperative processes	1	strongly disagree
	intraoperative processes	2	disagree
		3	not decided
		4	agree
		5	strongly agree
Q17.2	The following element is a likely pitfall in quality improvement programs for intraoperative processes	1	strongly disagree
	Indusporative processes	2	disagree
		3	not decided
		4	agree
		5	strongly agree
Q17.3	The following element is a likely pitfall in quality improvement programs for intraoperative processes	1	strongly disagree
		2	disagree
		3	not decided
		4	agree
		5	strongly agree
Q17.4	The following element is a likely pitfall in quality improvement programs for intraoperative processes	1	strongly disagree
		2	disagree
		3	not decided
		4	agree
		5	strongly agree
Q17.5	The following element is a likely pitfall in quality improvement programs for intraoperative processes	1	strongly disagree
		2	disagree
		3	not decided
		4	agree
		5	strongly agree
		1	no Comment given
		2	Comment given
Q18.1	Standardisation of operative procedures should be lead the following team members respectively these team members should be involved	1	strongly disagree
		2	disagree
		3	not decided
		4	agree
0.40.0		5	strongly agree
Q18.2	Standardisation of operative procedures should be lead the following team members respectively these team members should be involved	1	strongly disagree
		2	disagree
		3	not decided
		4	agree
0.40.0		5	strongly agree
Q18.3	Standardisation of operative procedures should be lead the following team members respectively these team members should be involved	1	strongly disagree
		2	disagree
		3	not decided
		4	agree
040.4	Ctanderdication of energing are address about the fall with a fall	5	strongly agree
Q18.4	Standardisation of operative procedures should be lead the following team members respectively these team members should be involved	1	strongly disagree
		2	disagree
		3	not decided
		4	agree
O10 F	Standardination of anarative precedures should be lead the following the re-	5	strongly agree
Q18.5	Standardisation of operative procedures should be lead the following team members respectively these team members should be involved	1	strongly disagree
		2	disagree
		3	not decided
		4	agree
		5	strongly agree
		1	no Comment given

			2	Comment given
Q19.1	The degree of standardisation of surgical procedu following	res should involve the	1	strongly disagree
			2	disagree
			3	not decided
			4	agree
			5	strongly agree
Q19.2	The degree of standardisation of surgical procedule following	ures should involve the	1	strongly disagree
	Tollowing		2	disagree
			3	not decided
			4	agree
			5	strongly agree
Q19.3	The degree of standardisation of surgical procedu	uras abauld involve the	1	strongly disagree
Q 19.3	following	ires should involve the		
			2	disagree
			3	not decided
			4	agree
			5	strongly agree
Q19.4	The degree of standardisation of surgical procedu following	ures should involve the	1	strongly disagree
			2	disagree
			3	not decided
			4	agree
			5	strongly agree
			1	no Comment given
			2	Comment given
Q20.1	Concerning the future of surgical interventions wh	ich alamants af	1	in 95% of surgical
Q20.1	Concerning the future of surgical interventions which elements of standardisation are you expecting to see in clinical practice in the next 20 years			procedures in your specialty
			2	in 75%of surgical
				procedures in your
				specialty
			3	in 50% of surgical procedures in your
			4	specialty in 25% of surgical
			-	procedures in your specialty
			5	in less than 5% of
				surgical procedures in your specialty
Q20.2	Concerning the future of surgical interventions wh	nich elements of	1	in 95% of surgical
	standardisation are you expecting to see in clinical			procedures in your specialty
			2	in 75%of surgical
				procedures in your specialty
			3	in 50% of surgical
				procedures in your
			4	specialty in 25% of surgical
			4	procedures in your
			5	specialty in less than 5% of
				surgical procedures in
Q20.3	Concerning the future of surgical interventions wh	nich elements of	1	your specialty in 95% of surgical
Q_0.0	standardisation are you expecting to see in clinical practice in the next 20 years			procedures in your specialty
			2	in 75%of surgical
				procedures in your
			3	specialty in 50% of surgical
				procedures in your specialty
			4	in 25% of surgical
			'	procedures in your
				specialty

		5	in less than 5% of surgical procedures in your specialty
Q20.4	Concerning the future of surgical interventions which elements of standardisation are you expecting to see in clinical practice in the next 20 years		in 95% of surgical procedures in your specialty
		2	in 75%of surgical procedures in your specialty
		3	in 50% of surgical procedures in your specialty
		4	in 25% of surgical procedures in your specialty
		5	in less than 5% of surgical procedures in your specialty
Q20.5	Concerning the future of surgical interventions which elements of standardisation are you expecting to see in clinical practice in the next 20 years		in 95% of surgical procedures in your specialty
		2	in 75%of surgical procedures in your specialty
		3	in 50% of surgical procedures in your specialty
		4	in 25% of surgical procedures in your specialty
		5	in less than 5% of surgical procedures in your specialty
		1	no Comment given
		2	Comment given
Q21	Do you have any comments or questions?	1	no Comment given
		2	Comment given