The ST	ROCSS 2019 Guideline	
Item	Item description	Page
no.		ı ugo
TITLE		
1	Title:	
	- The word cohort or cross-sectional or case-controlled is included	-Title Page
	 The area of focus is described (e.g. disease, exposure/intervention, outcome) 	-Title Page
	Key elements of study design are stated (e.g. retrospective or prospective) ABSTRACT	-Title Page
2a	Introduction: the following points are briefly described	
24	- Background	Abstract pg.1
	- Scientific Rationale for this study	pg. i
2b	Methods: the following areas are briefly described	Abstract
	- Study design (cohort, retro-/prospective, single/multi-centred)	pg.1
	- Patient populations and/or groups, including control group, if applicable	
	- Interventions (type, operators, recipients, timeframes)	
	- Outcome measures	
2c	Results: the following areas are briefly described	Abstract
	 Summary data (with statistical relevance) with qualitative descriptions, 	pg.1
	where appropriate	
2d	Conclusion: the following areas are briefly described	Abstract pg.1
	- Key conclusions	μ9
	- Implications to practice	
	- Direction of and need for future research	
3	Introduction: the following areas are described in full	Sec 1
3	- Relevant background and scientific rationale	pg.2
	- Aims and objectives	Sec 2
	- Research question and hypotheses, where appropriate	pg. 2
	METHODS	
4a	Registration and ethics	Sec 2 pg.2
	 Research Registry number is stated, in accordance with the 	
	declaration of Helsinki*	Clinical Trials.
	 All studies (including retrospective) should be registered before 	gov (NCT
	submission	0196 1687)
	*"Every research study involving human subjects must be registered in a	
	publicly accessible database before recruitment of the first subject" (this can	
	be obtained from: ResearchRegistry.com or ClinicalTrials.gov or ISRCTN)	
4b	Ethical Approval: the following areas are described in full	Sec 2
	- Necessity for ethical approval	pg.3
	- Ethical approval, with relevant judgement reference from ethics	
	committees	
	 Where ethics was unnecessary, reasons are provided 	

4c	Protocol: the following areas are described comprehensively	Sec 2
40	Protocol: the following areas are described comprehensively	pg. 2-4
	- Protocol (a priori or otherwise) details, with access directions	
1 al	- If published, journal mentioned with the reference provided	n/a
4d	Patient Involvement in Research	II/a
	- Describe how, if at all, patients were involved in study design e.g. were	
	they involved on the study steering committee, did they provide input	
	on outcome selection, etc.	Sec 2.1
5a	Study Design: the following areas are described comprehensively	pg. 2
	- 'Cohort' study is mentioned	
	- Design (e.g. retro-/prospective, single/multi-centred)	
5b	Setting: the following areas are described comprehensively	Sec 2.1 pg. 3
	- Geographical location	
	- Nature of institution (e.g. academic/community, public/private)	See Title page for
	- Dates (recruitment, exposure, follow-up, data collection)	institution names,
		locations, and types.
		Sec 2.2
		pg. 3
		Sec 2.4
		pg. 4
5c	Cohort Groups: the following areas are described in full	Sec 2.2 pg. 3
	- Number of groups	Incl and
	- Division of intervention between groups	Excl criteria
5d	Subgroup Analysis: the following areas are described comprehensively	Sec 2.6
ou	- Planned subgroup analyses	pg. 4
	- Methods used to examine subgroups and their interactions	
6a	Participants: the following areas are described comprehensively	Sec 2.2
ou.	- Eligibility criteria	pg. 3 Incl and
	- Recruitment sources	Excl
	- Length and methods of follow-up	criteria
	Longar and monodo or rollow up	Sec
		2.4-2.5 pg. 4
6b	Recruitment: the following areas are described comprehensively	Sec 2.2
	- Methods of recruitment to each patient group	pg. 3
	- Period of recruitment	
6c	Sample Size: the following areas are described comprehensively	Sec 2.1
00	- Margin of error calculation	pg. 3
	- Analysis to determine study population	
	- Power calculations, where appropriate	
	INTERVENTION AND CONSIDERATIONS	
7a	Pre-intervention Considerations: the following areas are described	n/a
<i>,</i> a	comprehensively	
	- Patient optimisation (pre-surgical measures)	
	- Pre-intervention treatment (hypothermia/-volaemia/-tension; ICU care;	
	bleeding problems; medications)	
7b	Intervention: the following areas are described comprehensively	Sec
7.0	- Type of intervention and reasoning (e.g. pharmacological, surgical,	2.1-2.3
	physiotherapy, psychological)	pg. 2-4
	- Aim of intervention (preventative/therapeutic)	
	- Concurrent treatments (antibiotics, analgaesia, anti-emetics, NBM,	
	VTE prophylaxis)	

	Manufacturar and model details where applicable	
7.	- Manufacturer and model details where applicable	Sec 2.3
7c	Intra-Intervention Considerations: the following areas are described	pg. 3-4
	comprehensively	
	- Administration of intervention (location, surgical details, anaesthetic,	
	positioning, equipment needed, preparation, devices, sutures,	
	operative time)	
	- Pharmacological therapies include formulation, dosages, routes and	
	durations	
	- Figures and other media are used to illustrate	
7d	Operator Details: the following areas are described comprehensively	Sec 2.3 pg. 3-4
	- Training needed	13 -
	- Learning curve for technique	
	- Specialisation and relevant training	
7e	Quality Control: the following areas are described comprehensively	Sec 2.3 pg. 3-4
	- Measures taken to reduce variation	pg. o .
	- Measures taken to ensure quality and consistency in intervention	
	delivery	
7f	Post-Intervention Considerations: the following areas are described	Sec 2.3 pg. 3-4
	comprehensively	'
	- Post-operative instructions and care	Sec 2.4 pg. 4
	- Follow-up measures	P9. ¬
	- Future surveillance requirements (e.g. imaging, blood tests)	
8	Outcomes: the following areas are described comprehensively	Sec
	- Primary outcomes, including validation, where applicable	2.4-2.5 pg. 4
	- Definitions of outcomes	P9
	- Secondary outcomes, where appropriate	
	- Follow-up period for outcome assessment, divided by group	
9	Statistics: the following areas are described comprehensively	Sec 2.6
	- Statistical tests, packages/software used, and interpretation of	pg. 4
	significance	
	- Confounders and their control, if known	
	- Analysis approach (e.g. intention to treat/per protocol)	
	- Sub-group analysis, if any	
	RESULTS	
10a	Participants: the following areas are described comprehensively	Table
	- Flow of participants (recruitment, non-participation, cross-over and	1 & 2 pg. 9
	withdrawal, with reasons)	pg. o
	- Population demographics (prognostic features, relevant socioeconomic	Sec
	features, and significant numerical differences)	3.1-3.2
	l caranas, and eighnisan manners and an eighnisan	pg. 4-5
		Sec 3.4
10h	Participant Comparison: the following areas are described comprehensively:	pg. 5 Tables
10b	Participant Comparison: the following areas are described comprehensively	2 & 3
	- Table comparing demographics included	pg. 9
	- Differences, with statistical relevance	P9. 5
10-	- Any group matching, with methods	Sec 3.3
10c	Intervention: the following areas are described comprehensively	pg. 5
	- Changes to interventions, with rationale and diagram, if appropriate	Table 4
	- Learning required for interventions	pg. 10
	- Degree of novelty for intervention	

11a	Outcomes: the following areas are described comprehensively - Clinician-assessed and patient-reported outcomes for each group - Relevant photographs and imaging are desirable - Confounders to outcomes and which are adjusted	Sec 3.4 pg. 5 Figures 1 & 2 pg. 8
11b	Tolerance: the following areas are described comprehensively	Tables 5 & 6 pg. 10 Sec 3.4 pg. 5
	 Assessment of tolerance Loss to follow up, with reasons (percentage and fraction) Cross-over with explanation 	Table 1 pg. 9
11c	Complications: the following areas are described comprehensively	Sec 3.4 pg. 5 Tables 5 & 6 pg. 10
	*Dindo D, Demartines N, Clavien P-A. Classification of Surgical Complications. A New Proposal with Evaluation in a Cohort of 6336 Patients and Results of a Survey. Ann Surg. 2004; 240(2): 205-213	
12	Key Results: the following areas are described comprehensively - Key results, including relevant raw data - Statistical analyses with significance	Sec 3.1-3.4 pg. 4-5 Figures 1 & 2 pg. 8 Tables 1-6 pg. 9-10
	DISCUSSION	pg. 9-10
13	Discussion: the following areas are described comprehensively - Conclusions and rationale - Reference to relevant literature - Implications to clinical practice - Comparison to current gold standard of care - Relevant hypothesis generation	Sec 4 pg. 5-7
14	Strengths and Limitations: the following areas are described comprehensively - Strengths of the study - Limitations and potential impact on results - Assessment of bias and management	Sec 4 pg. 5-7, especially final paragraph
15	Implications and Relevance: the following areas are described comprehensively - Relevance of findings and potential implications to clinical practice are detailed - Future research that is needed is described, with study designs detailed	Sec 4 pg. 6 Sec 4 pg. 7
	CONCLUSION	
16	Conclusions: - Key conclusions are summarised - Key directions for future research are summarised	Sec 5 pg. 7
	DECLARATIONS	

17a	Conflicts of interest - Conflicts of interest, if any, are described	Title Page & Author Declar.
17b	Funding - Sources of funding (e.g. grant details), if any, are clearly stated	Title Page & Author Declar.