The S	The STROCSS Guideline		
ltem no.	Item description	Page No.	
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	
	<ul> <li>Key elements of study design are stated (e.g. retrospective or prospective)</li> </ul>	title page	
ABST			
2a	Introduction: the following points are briefly described		
	- Background	1	
	- Scientific Rationale for this study	1	
2b	Methods: the following areas are briefly described		
	- Study design (cohort, retro-/prospective, single/multi-centred)	1	
	- Patient populations and/or groups, including control group, if applicable	1	
	<ul> <li>Interventions (type, operators, recipients, timeframes)</li> </ul>	1	
	- Outcome measures	1	
2c	Results: the following areas are briefly described		
	- Summary data (with statistical relevance) with qualitative descriptions,	1	
	where appropriate	1	
2d	Conclusion: the following areas are briefly described		
	- Key conclusions	2	
	- Implications to practice	2	
	<ul> <li>Direction of and need for future research</li> </ul>	2	
INTRO	DUCTION		
3	Introduction: the following areas are described in full		
	<ul> <li>Relevant background and scientific rationale</li> </ul>	2	
	- Aims and objectives	2-3	
	- Research question and hypotheses, where appropriate	2	
METH	ODS		
4a	Registration and ethics		
	<ul> <li>Research Registry number is stated, in accordance with the declaration of Helsinki*</li> </ul>	-	
	- All studies (including retrospective) should be registered before	-	
	submission		
	*"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		
	- Necessity for ethical approval	3	
	- Ethical approval, with relevant judgement reference from ethics	3	
	committees	ĭ	
	- Where ethics was unnecessary, reasons are provided		
4c	Protocol: the following areas are described comprehensively	+	
	- Protocol ( <i>a priori</i> or otherwise) details, with access directions	3-4	
	<ul> <li>If published, journal mentioned with the reference provided</li> </ul>		
		1	

4d	Patient involvement in Research	
	- 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.	
5a	Study Design: the following areas are described comprehensively	
	- 'Cohort' study is mentioned	3
	- Design (e.g. retro-/prospective, single/multi-centred)	3
5b	Setting: the following areas are described comprehensively	
	- Geographical location	3
	- Nature of institution (e.g. academic/community, public/private)	3
	- Dates (recruitment, exposure, follow-up, data collection)	3-4
5c	Cohort Groups: the following areas are described in full	
	- Number of groups	3-4
	- Division of intervention between groups	-
5d	Subgroup Analysis: the following areas are described comprehensively	
	- Planned subgroup analyses	-
	- Methods used to examine subgroups and their interactions	-
6a	Participants: the following areas are described comprehensively	
	- Eligibility criteria	3
	- Recruitment sources	3
	- Length and methods of follow-up	-
6b	Recruitment: the following areas are described comprehensively	
•••	- Methods of recruitment to each patient group	3
	- Period of recruitment	-
6c	Sample Size: the following areas are described comprehensively	3
	- Margin of error calculation	U
	<ul> <li>Analysis to determine study population</li> </ul>	
	- Power calculations, where appropriate	
Interv	ention and Considerations	
7a	Pre-intervention Considerations: the following areas are described	
	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	_
	- Type of intervention and reasoning (e.g. pharmacological, surgical,	
	physiotherapy, psychological)	
	- Aim of intervention (preventative/therapeutic)	
	- Concurrent treatments (antibiotics, analgaesia, anti-emetics, NBM,	
	VTE prophylaxis)	
	- Manufacturer and model details where applicable	
7c	Intra-Intervention Considerations: the following areas are described	_
	comprehensively	
	- Administration of intervention (location, surgical details, anaesthetic,	
	positioning, equipment needed, preparation, devices, sutures,	
	operative time)	
	- Pharmacological therapies include formulation, dosages, routes and	
	durations	

7d	Operator Details: the following areas are described comprehensively	-
	- Training needed	
	- Learning curve for technique	
	- Specialisation and relevant training	
7e	Quality Control: the following areas are described comprehensively	-
	- Measures taken to reduce variation	
	- Measures taken to ensure quality and consistency in intervention	
	delivery	
7f	Post-Intervention Considerations: the following areas are described	
/ 1	-	-
	comprehensively	
	- Post-operative instructions and care	
	- Follow-up measures	
_	- Future surveillance requirements (e.g. imaging, blood tests)	
8	Outcomes: the following areas are described comprehensively	4-5
	<ul> <li>Primary outcomes, including validation, where applicable</li> </ul>	
	- Definitions of outcomes	
	<ul> <li>Secondary outcomes, where appropriate</li> </ul>	
	<ul> <li>Follow-up period for outcome assessment, divided by group</li> </ul>	
9	Statistics: the following areas are described comprehensively	4-5
	- Statistical tests, packages/software used, and interpretation of	
	significance	
	- Confounders and their control, if known	
	·	
	- Analysis approach (e.g. intention to treat/per protocol)	
DESII	<ul> <li>Analysis approach (e.g. intention to treat/per protocol)</li> <li>Sub-group analysis, if any</li> </ul>	
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	<ul> <li>Mitigation for adverse events (blood loss, wound care, revision surgery should be specified)</li> </ul>	
	*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	5-8
	<ul> <li>Key results, including relevant raw data</li> </ul>	
	<ul> <li>Statistical analyses with significance</li> </ul>	
DISCU	SSION	
13	Discussion: the following areas are described comprehensively	8-9
	<ul> <li>Conclusions and rationale</li> </ul>	
	<ul> <li>Reference to relevant literature</li> </ul>	
	<ul> <li>Implications to clinical practice</li> </ul>	
	<ul> <li>Comparison to current gold standard of care</li> </ul>	
	<ul> <li>Relevant hypothesis generation</li> </ul>	
14	Strengths and Limitations: the following areas are described comprehensively	9
	<ul> <li>Strengths of the study</li> </ul>	
	<ul> <li>Limitations and potential impact on results</li> </ul>	
	<ul> <li>Assessment of bias and management</li> </ul>	
15	Implications and Relevance: the following areas are described	10
	comprehensively	
	- Relevance of findings and potential implications to clinical practice are	
	detailed	
	<ul> <li>Future research that is needed is described, with study designs</li> </ul>	
	detailed	
	LUSION	
16	Conclusions:	10
	<ul> <li>Key conclusions are summarised</li> </ul>	
	<ul> <li>Key directions for future research are summarised</li> </ul>	
	ARATIONS	
17a	Conflicts of interest	
	<ul> <li>Conflicts of interest, if any, are described</li> </ul>	10
17b	Funding	
	<ul> <li>Sources of funding (e.g. grant details), if any, are clearly stated</li> </ul>	title page