

## Supplement 2

### PRISMA-categories

#### Description of categories of the Eindhoven Classification Model: PRISMA-medical Version<sup>2</sup>

Main category	Subcategory	Code	Description
<b>Technical</b>	External	T-ex	Technical failures beyond the control of the organization
	Design	TD	Failures to poor design of equipment etc
	Construction	TC	Correct design inappropriately constructed or placed
	Materials	TM	Material defects not classified under TD or TC
<b>Organizational</b>	External	O-ex	Failures at an organizational level beyond the control and responsibility of the investigating team
	Transfer of knowledge	OK	Failure resulting from inadequate measures to train or supervise new or inexperienced staff
	Protocols	OP	Failures relating to the quality or availability of appropriate protocols
	Management priorities	OM	Internal management decisions which reduce focus on patient safety when faced with conflicting priorities
	Culture	OC	Failure due to attitude and approach of the treating organization
<b>Human</b>	External	H-ex	Human failures beyond the control of the organization/department
	Knowledge-based behavior	HKK	Failure of an individual to apply their knowledge to a new clinical situation
	Qualifications	HRQ	An inappropriately trained individual performing the clinical task
	Co-ordination	HRC	A lack of fast co-ordination within the healthcare team
	Verification	HRV	Failure to correctly check and assess the situation before performing interventions
	Intervention	HRI	Failure resulting from faulty task planning or performance
	Monitoring	HRM	Failure to monitor the patient's progress or condition
	Skills-based	HSS	Failure in performance of highly developed skills
<b>Patient</b>	Patient-related	PRF	Failures related to patient characteristics or conditions, which are beyond the control of staff and influence clinical progress
<b>Disease</b>	Disease-related	DRF	Failures related to the natural progress of disease which are beyond control of patient, its carers and staff