



Ref.	Hazard.	Related part /	Sev	Like	Risk.	Solution.	Document referenced.	Sev	Like	Risk.
		Component posing risk.	of Haz.	of Haz.				of Haz.	0f Haz.	
D.2	Energy hazards and con	1.7	Huzi	11uz.				Huz	Huzi	
D.2.1	Electricity	None	1	1	1	Battery powered	IEC601/1	1	1	1
	Line voltage	None	1	1	1	Non required	ISO9000:2000	1	1	1
	Leakage enclosure	None	1	1	1	Non required	ISO14971:2009	1	1	1
	Leakage earth	None	1	1	1	Non required	ISO13471:2009	1	1	1
	Patient Leakage	None	1	1	1	Non required	Y1 Design History	1	1	1
	Electric Fields	None	1	1	1	Non required		1	1	1
D.2.2	Heat	None	1	1	1	Battery powerd	Y Design Files	1	1	1
	High Temperature	None	1	1	1	Non required	IEC601/1 PtII	1	1	1
	Low Temperature	None	1	1	1	Non required		1	1	1
D.2.3	Mechanical force	Instrument	1	1	1	Medical clamp	Y1 Design History	1	1	1
	Gravity : Falling	Instrument	1	1	1	Medical clamp	Y1 Design History	1	1	1
	Suspended masses	None	1	1	1	Non required		1	1	1
	Stored energy	None	1	1	1	Non required		1	1	1
	Torsion, Shear & Tensile	None	1	1	1	Non required		1	1	1
	High Pressure Fluid	None	1	1	1	Non required		1	1	1
	injection									
D.2.4	Ionising radiation	None	1	1	1	Non required	Z12 No Ionisation	1	1	1
D.2.5	Non ionising radiation	None	1	1	1	Non required		1	1	1
D.2.6	Moving parts	None	1	1	1	Non required	D2 Device description	1	1	1
	Moving & positioning	None	1	1	1	Non required	D2 Device description	1	1	1
	patient									
D.2.7	Unintended motion	None	1	1	1	Non required	D2 Device description	1	1	1
D.2.8	Suspended masses	None	1	1	1	Non required	D2 Device description	1	1	1
D.2.9	Patient support failure	None	1	1	1	Non required	D2 Device description	1	1	1
D.2.10	Pressure (vessel rupture)	None	1	1	1	Non required	D2 Device description	1	1	1

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Ref.	Hazard.	Related part /	Sev	Like	Risk.	Solution.	Document referenced.	Sev	Like	Risk.
		Component posing		of				of	0f	
		risk.	Haz.	Haz.				Haz.	Haz.	
D.2.11	Acoustic pressure	None	1	1	1	Non required	D2 Device description	1	1	1
	Ultrasonic energy	None	1	1	1	Non required		1	1	1
	Infrasound energy	None	1	1	1	Non required	D2 Device descriptionD2	1	1	1
	Sound	None	1	1	1	Non required		1	1	1
D.2.12	Vibration	None	1	1	1	Non required		1	1	1
D.2.13	Magnetic fields (eg. MRI)	None	1	1	1	Non required	D2 Device description	1	1	1
D.3	,			•		None		•	'	
D.3.1	Bio-contamination	None	2	2	4	Easy to clean	Z6 Bio-compatibility F5 Instruction Manual	1	1	1
	Bacteria	None	1	1	1	Non required	13 mstruction Manual	1	1	1
			1	1	1	Non required		1	1	1
	Viruses	None	1	1	1	Non required		1	1	1
D 0 0	Other agents (prions)	None	1	1	1	Non required	767	1	1	1
D.3.2	Bio-incompatibility	None	l	l	1	Non required	Z6 Bio-compatibility	1	1	<u>l</u>
D.3.3	Incorrect formulation (chemical composition)	None	1	1	1	Non required		1	1	1
D.3.4	Toxicity	None	1	1	1	Non required		1	1	1
D.3.5	Allergenicity/ irritancy	None	1	1	1	Non required		1	1	1
D.3.6	Mutagenicity	None	1	1	1	Non required		1	1	1
D.3.7	Oncogenicity	None	1	1	1	Non required		1	1	1
D.3.8	Carcinogenicity	None	1	1	1	Non required	Z11 Carcinogenic	1	1	1
						-	substances			
D.3.9	Re and/or cross infection	Instrument	1	1	1	Easy to clean	O1 Sterilisation	1	1	1
						_	F6 Cleaning instructions			
							F5 Instructions for use			
D.3.10	Pyrogenicity	None	1	1	1	Non required		1	1	1

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Ref.	Hazard.	Related part /	Sev	Like	Risk.	Solution.	Document referenced.	Sev	Like	Risk.
		Component posing		of				of	0f	
D 2 11	T 1 111	risk.	Haz.	Haz.		T	0.1.0	Haz.	Haz.	
D.3.11	Inability to maintain	Instrument	2	2	4	Easy to clean	O1 Sterilisation	1	1	
	hygienic standards						F6 Cleaning instructions			
							F5 Instructions for use			
D.3.12	Degradation	None	1	1	1	Non required		1	1	1
	Chemical	None	1	1	1	Non required		1	1	1
	Acids or Alkalis	None	1	1	1	Non required		1	1	1
	Contaminates	None	1	1	1	Non required		1	1	1
	Processing aids	None	1	1	1	Non required		1	1	1
	Cleaning, disinfection	Instrument	2	2	4	East to clean	O1 Sterilisation	1	1	1
	_						F6 Cleaning instructions			
							F5 Instructions for use			
	Testing aids	None	1	1	1	Non required		1	1	1
	Medical gases	None	1	1	1	Non required		1	1	1
	Anaesthetic products	None	1	1	1	Non required		1	1	1
D.4						None				
D.4.1	Electromagnetic fields	None	1	1	1	Non required		1	1	1
D.4.2	Susceptibility to	None	1	1	1	Non required	D4 EMC	1	1	1
	electromagnetic					-				
	interference									
D.4.3	Emissions of	None	1	1	1	Non required	D4 EMC	1	1	1
	electromagnetic					-				
	interference									
D.4.4	Inadequate supply of	None	1	1	1	Non required		1	1	1
	power					1				
D.4.5	Inadequate supply of	None	1	1	1	Non required		1	1	1
	coolant									

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Ref.	Hazard.	Related part / Component posing	Sev of	Like of	Risk.	Solution.	Document referenced.	Sev of	Like 0f	Risk.
		risk.	Haz.	Haz.				Haz.	Haz.	
D.4.6	Storage / operation outside prescribed environmental conditions	Instrument Battery may leak if allowed to go flat	2	1	2	No specific environmental storage/operating conditions imposed. Battery indicator when on	F5 Instructions for use	1	1	1
D.4.7	Incompatibility with other devices with which the product is intended to be used	None	1	1	1	Non required. Stand alone		1	1	1
D.4.8	Accidental mechanical damage	Instrument	1	1	1	May be damaged if dropped	F5 Instructions for use	1	1	1
D.4.9	Contamination due to waste products and/or device disposal	None	1	1	1	Non required	Electronic waste disposal required RoHS F6 labels	1	1	1
D.5	•			•	•	None		•		
D.5.1	Electricity	None	1	1	1	Non required		1	1	1
D.5.2	Radiation	None	1	1	1	Non required		1	1	1
D.5.3	Volume	None	1	1	1	Non required		1	1	1
D.5.4	Pressure	None	1	1	1	Non required		1	1	1
D.5.5	Supply of medical gases	None	1	1	1	Non required		1	1	1
D.5.6	Supply of anaesthetic agents	None	1	1	1	Non required		1	1	1
D.6	Hazards related to the u	se of the medical dev	ice and	l contri	butory	factors				
D.6.1	Inadequate labelling	None	1	1	1		F7 Labels	1	1	1
D.6.2	Inadequate operating instructions	None	2	1	2	Instructions for use comprehensively cover the product. For use by trained		1	1	1

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Risk Assessment iaw EN ISO 14971:2000 Annex D: Possible hazards with medical devices. Ammended to match EN14971:2009

Ref.	Hazard.	Related part / Component posing risk.	Sev of Haz.	Like of Haz.	Risk.	Solution.	Document referenced.	Sev of Haz.	Like 0f Haz.	Risk.
						qualified personnel				
	Inadequate description of performance	None	1	1	1	Non required	M3 SpecificationF5 User Instructions	1	1	1
	Inadequate specification of intended use	None	1	1	1	Non required	F5 User Instructions	1	1	1
	Inadequate disclosure of limitations	None	1	1	1	Non required	F5 User Instructions	1	1	1
D.6.3	Inadequate specification of accessories	None	1	1	1	Non required	F5 User Instructions	1	1	1
D.6.4	Inadequate specification of pre-use checks	Instructions	2	2	4	Instrument must be prechecked.	F5 User Instructions F9 Training	2	1	2
D.6.5	Over-complicated operating instructions	None	1	1	1	Non required	F5 User Instructions	1	1	1
D.6.6	Inadequate specification of service and maintenance	Instrument	2	1	2	No service or maintenance except batteries	G2 Service Manual G1 maintenance G3 Service Procedures	1	1	1
D.6.7	Use by unskilled / untrained personnel	Instrument	2	2		Instructions for use comprehensively cover the product. For use by trained qualified personnel		2	1	2
D.6.8	Reasonable foreseeable misuse	Instrument	2	1	2	Batteries removed for long periods of non-use		2	1	2
D.6.9	Insufficient warning of side effects	None	1	1	1	Non required		1	1	1
D.6.10	Inadequate warnings of hazards likely with re-	None	1	1	1	Non required		1	1	1

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Ref.	Hazard.	Related part / Component posing risk.	Sev of Haz.	Like of Haz.	Risk.	Solution.	Document referenced.	Sev of Haz.	Like 0f Haz.	Risk.
	use of single use devices									
D.6.11	Incorrect measurement and other metrological aspects	None	1	1	1	Non required		1	1	1
D.6.12	Misrepresentation of results	None	1	1	1	Non required		1	1	1
D.6.13	Incompatibility with consumables / accessories / other devices	None	1	1	1	Non required		1	1	1
D.6.14	Sharp edges or points	None	1	1	1	Non required		1	1	1
D.7						None				
D.7.1	Mistakes & judgement errors	Instrument	3	1	3	Instructions for use comprehensively cover the product. For use by trained qualified personnel		1	1	1
	Incorrect or inappropriate output or functionality	None	1	1	1	Non required		1	1	1
	Erroneous data transfer	None	1	1	1	Non required		1	1	1
	Loss or deterioration in function	None	3	1	3	Instructions for use comprehensively cover the product. For use by trained qualified personnel		1	1	1
D.7.2	Lapses and cognitive recall errors	Instrument	3	1	3	Check before use	F% User Instructions	1	1	1

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Risk Assessment iaw EN ISO 14971:2000 Annex D: Possible hazards with medical devices. Ammended to match EN14971:2009

Ref.	Hazard.	Related part / Component posing risk.	Sev of Haz.	Like of Haz.	Risk.	Solution.	Document referenced.	Sev of Haz.	Like Of Haz.	Risk.
D.7.3	Slips & blunders (mental or physical)	None None	3	1	3	Instructions for use comprehensively cover the product. For use by trained qualified personnel		1 1	1	1
	Rule based failure	None	1	1	1	Non required		1	1	1
	Knowledge based failure	None	1	1	1	Non required		1	1	1
	Routine violation	None	1	1	1	Non required		1	1	1
D.7.4	Violation or abbreviation of instructions, procedures etc	None	3	1	3	Instructions for use comprehensively cover the product. For use by trained qualified personnel		1	1	1
D.7.5	Complex or confusing control system	None	1	1	1	Non required		1	1	1
D.7.6	Ambiguous or unclear device state	None	1	1	1	Non required		1	1	1
D.7.7	Ambiguous or unclear presentation of settings, measurement, or other information	None	3	1	3	Instructions for use comprehensively cover the product. For use by trained qualified personnel		1	1	1
D.7.8	Misrepresentation of results	None	1	1	1	Non required		1	1	1
D.7.9	Insufficient visibility, audibility or tactility	None	1	1	1	Non required		1	1	1
D.7.10	Poor mapping of controls to action or of displayed information to actual	None	1	1	1	Non required		1	1	1

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Ref.	Hazard.	Related part / Component posing risk.	Sev of Haz.	Like of Haz.	Risk.	Solution.	Document referenced.	Sev of Haz.	Like Of Haz.	Risk.
	state									
D.7.11	Controversial modes or mappings as compared to existing equipment	None	1	1	1	Non required		1	1	1
D.8						None				
D.8.1	Erroneous data transfer	None	1	1	1	Non required		1	1	1
D.8.2	Lack of, or inadequate specification for maintenance including post maintenance functional tests	None	1	1	1	Non required		1	1	1
D.8.4	Inadequate maintenance	Instrument	1	1	1	Instrument will not pass pre-use check		1	1	1
D.8.5	Lack of adequate determination of end of device life	None	1	1	1	Non required		1	1	1
D.8.6	Loss of electrical integrity	None	1	1	1	Non required		1	1	1
D.8.7	Loss of mechanical integrity	None	1	1	1	Non required		1	1	1
D.8.8	Inadequate packaging (contamination and / or deterioration of the device)	None	1	1	1	Non required		1	1	1
D.8.9	Re-use and/or improper re-use	None	1	1	1	Non required		1	1	1

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Risk Assessment iaw EN ISO 14971:2000 Annex D: Possible hazards with medical devices. Ammended to match EN14971:2009

Ref.	Hazard.	Related part /	Sev	Like	Risk.	Solution.	Document referenced.	Sev	Like	Risk.
		Component posing	of	of				of	0f	
		risk.	Haz.	Haz.				Haz.	Haz.	
D.8.10	Deterioration in function	None	1	1	1	Non required		1	1	1
	(gradual occlusion of									
	fluid / gas path or change									
	in resistance to flow,									
	electrical conductivity)									
	as a result of repeated									
	use									
		None								

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