

Supplemental Table S1. Summary of categories definition

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Categories	Sub-categories	Definition	
Clarity of operative field	Totally bloodless	A bloodless operative field equal to that achieved by pneumatic tourniquet use	
	Minimal bleeding	Slight bleeding that does not affect the clarity of the operative field and the recognition of the anatomical structures	
	Acceptable bleeding	Bleeding that needs more gauze sweeping in order to keep the anatomical structure recognizable without rendering difficulties to the surgeon performing the procedures	
	Bloody	Bleeding that disturbs the recognition of anatomical structures and needs additional use of pneumatic tourniquet	
Scar thickness	Thin	Scar which thickness is less than 2 mm	
	Moderate	Scar which has a thickness of 2–5 mm	
	Thick	Scar which thickness is more than 5 mm	
Scar density	Pliable	Scar that yields with minimal resistance	
	Moderate	A yielding scar with moderate resistance but does not form a solid mass	
	High	A firm scar that moves as a solid inflexible unit	
Functional outcome	Overall function (finger extension, elbow extension, and axilla abduction)	Excellent	Full extension (0 degree) of all fingers, full to 170 degrees of elbow extension, and full to 170 degrees of axilla abduction
		Good	Finger flexion of 5 degrees at active extension, evidence of webbing, 130 to 170 degrees of elbow extension, and 130 to 170 degrees of axilla abduction.
		Fair	Finger flexion from 5 to 30 degrees at active extension, 90 to 130 degrees of elbow extension, and 90 to 130 degrees of axilla abduction
		Poor	Finger flexion over 30 degrees, less than 90 degrees of elbow extensions, and less than 90 degrees of axilla abduction
	Abduction-hyperextension (thumb abduction and finger hyperextension)	Nice	Thumb abduction > 50 degrees and/ or no finger hyperextension
		Mediocre	Thumb abduction < 50 degrees and/ or any degree of finger hyperextension