

4 Item tracking matrix for development of a measure of practical wound management (A5)

Table 1: Item tracking matrix of all issues identified

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Category	Issue	Identified by				Additional comments	Included in questionnaire?	
		Interviews			Literature (n=26 RCTs)		If yes, questionnaire item	Why not included
		DE (n=28)	LR (n=19)	CM (n=11)				
Wound comfort	Itchiness	✓	✓	✓	✓	CM: Described by patients as an outcome (looking at the wound to check if it is irritated, inflamed, etc) DE: Similar to inflammation ('burning')	Q1: Has the wound been itchy?	
	Pain	✓	✓	✓	✓	DE: Described as 'sore', 'hurt', 'tender', 'uncomfortable'. DE: Sometimes mentioned in the context of a numerical scale. RM: Described as 'burning pain referring to a dressing-related sensation felt under the dressing' in one study RM: Also 'tenderness' CM: 'sore', 'painful' – discussed in terms of dressing removal	Q2: Has the wound been painful?	

	Presence of pulling sensation	✓			✓	LR: Described as wound 'being able to breathe', 'stiffness'	Q3: Has the wound had a pulling sensation?	
	Tightness of wound	✓	✓		✓		Q4: Has the wound felt tight?	
	Wound comfort (overall or unspecified)				✓	RM: Also measured as 'Discomfort' in the literature RM: Includes 'Discomfort with skin problems'		Excluded as covered in Q1 – Q4
Exudate and its impact	Whether there was any exudate	✓	✓	✓	✓		Q5: Has the wound leaked?	
	Type of exudate (blood, other)	✓	✓	✓	✓	DE: Described as 'mess', 'manky', 'leaking', 'gunge', 'oozing', 'soaking', 'brown mess' LR: 'moistness', 'Ooziness', 'dampness' RM: Described as 'discharge' 'fluid' 'oozing' CM: 'Seeping'	Q5: If so, was it: clear fluid? cloudy fluid? Blood-stained fluid? thick and yellow/green fluid?	
	Whether exudate marks bedding/clothing	✓	✓	✓		DE: Described as 'stains', LR: 'manked up clothing'	Q6: Has the leakage resulted in changed bedding/ clothes?	
	Degree dressing absorbs exudate	✓	✓	✓	✓		Q7: How would you describe the wettest dressing?	
	Whether additional dressing required	✓	✓	✓	✓	RM: Includes reasons for dressing changes CM: use two dressings when oozing is important, don't want to take original dressing off	Q8: Has a dressing or glue been put on the wound (or replaced)?	

	Anxiety associated with exudate	✓	✓	✓				Excluded as captured in Q15: "Have you felt any anxiety about your wound?"
Allergic reactions to the dressing	Any allergic reactions to dressing/blistering	✓	✓	✓	✓	RM: Also include skin damage/injury	b) has the wound blistered?	
Dressing removal	Whether dressing comes off	✓	✓	✓			Q9: Has the dressing or glue come off or been removed	
	Whether dressing needs to be taken off (if so, by patient or professional)	✓	✓	✓		CM: patient or partner	Q9 Q9: Has the dressing or glue come off or been removed? If "Yes", was it taken off by a doctor/nurse/other health specialist?	
	Whether travel is required to change/remove dressing (i.e. seeing nurse or GP/post op visits)	✓	✓					Not relevant to early post-operative period
	Any discomfort during removal	✓	✓	✓	✓		Q10 Was there any discomfort when removing the dressing?	
	Any pain during removal	✓	✓	✓		DE: Causes 'pain', skin is 'tender', 'sore', pulls hairs, sticks to skin) RM: 'Pain on removal of the dressing'	Q11 Was there any pain when removing the dressing?	

Wound protection	Dressings protecting the wound				✓		Q12 Has the wound felt protected? (i.e. from catching on anything or being knocked)	
	Whether dressing/wound rubs on clothes	✓	✓	✓		LR: Awkwardness of wearing clothes over dressing		
	Whether dressing/wound catches on other things	✓	✓	✓		CM: bedsheets		
Impact on daily activities	Ability to get back to work	✓	✓				Q13: Have you been able to perform everyday tasks? (i.e. showering/ bathing, getting dressed)	
	Ability to shower/bathe	✓	✓	✓	✓	RM: Described as 'Ability to facilitate personal hygiene' in one study RM: Described as 'Appreciation of possibility to shower' in one study. Also 'satisfaction with the possibility to wash oneself'		
	Ease of movement (e.g sitting, walking, stairs)	✓	✓		✓	DE: Standing up, walking RM: Described as 'Ability to facilitate mobility' in the literature. Also 'Does the dressing limit you in movement?' DE and LR: Includes sneezing/coughing		
	Ability to perform everyday tasks (e.g self-care)	✓	✓	✓		DE: Washing/self-care, driving, walking, housework, cooking, exercise		

	Ease of getting dressed	✓						
	Going to the toilet		✓	✓				
	Self-management of wound		✓	✓	✓	RM: 'Ease of managing wound' was a PRO measured in the first 3 weeks after surgery on a 1-10 scale in one study		
	Change to usual clothing		✓	✓				
	Overall recovery				✓	RM: not a PRO (surgeon rating)		
Ease of movement	(Dis)comfort when sitting	✓	✓	✓			Q14: Have you been able to move around easily?	
	(Dis)comfort when lying	✓	✓					
	(Dis)comfort whilst sleeping/sleep quality	✓	✓					
	(Dis)comfort whilst moving	✓	✓	✓		CM: related to tightness of dressing		
Anxiety about the wound	Feeling of security/safeness (in relation to the wound?)	✓	✓	✓			Q15: Have you felt any anxiety about your wound?	

	Feeling of vulnerability		✓	✓				
	Not having to worry about wound/dressing	✓	✓	✓		DE: 'You can just forget about it, you don't have to think about		
	Feeling protected	✓	✓	✓				
	Stress levels/psychological discomfort/anxiety	✓	✓					
	Feeling constricted by dressing	✓	✓					
	Cleanliness of environment	✓	✓	✓		DE: Described as 'hygiene', 'coming into contact with bugs'		
	Fear of infection	✓	✓	✓				
	Anxiety about bodily contents spilling out/wound bursting open	✓	✓	✓		LR: Described as 'coming open', 'split apart', 'rupture'		
Satisfaction with dressing/ not	Satisfaction with (appearance of) dressing	✓	✓		✓	LR: 'Neatness', 'prominence' RM: Measured as 'How satisfied overall do you feel with your dressing?'	Q16: Have you felt satisfied with having/not having a dressing?	

having a dressing	Whether patient would prefer to see the wound	✓	✓			DE: Anxiety/reassurance/fear/discomfort RM: Described as 'how well the incision could be seen under the dressing' and 'transparency'		
	Degree dressing fits contours of the skin/clothing	✓	✓		✓	RM: Described as 'Conformability of the dressing to the wound' in one study		
	Dignity			✓		CM: Having a dressing gives more dignity		
	Confidence			✓		CM: Confidence to walk around without having to worry		
	Appreciation of absence of bandage				✓			
	How long dressing stays on	✓	✓	✓	✓	CM: 'the longer you leave a dressing on the harder it is to get off'		
	Ease of removal	✓	✓	✓	✓	RM: 'Ease of dressing application' was measured in one study but this was rated by a surgeon not patient LR: Any exudate from removal DE, CM,: Any remnants remaining after removal ('bits of glue')		
	Degree of stickiness	✓	✓	✓	✓	CM: stitches stick to legs when sitting (gynae) DE: Mostly considered to be positive, but sometimes makes removal tricky		

						<p>DE: Described as: 'It stays in place and doesn't wriggle up'</p> <p>RM: Described as 'Dressing integrity' in one study also 'How much the dressing had loosened'</p> <p>CM: dressings don't stick well because of body hair</p>		
	Awareness of dressing/wound	✓	✓	✓	✓			
	If patient reapplies, ease of reapplying dressing	✓	✓		✓			
	Whether additional support or materials provided	✓	✓	✓				
	Whether patient uses own dressing	✓	✓	✓				
	If patient reapplies, ease of reapplying dressing	✓	✓		✓			
	Overall satisfaction/satisfaction with overall experience				✓			

Wound appearance	Perceptions of healing	✓	✓	✓	✓	<p>DE: Described as ‘healing very nicely’, ‘rate of healing’</p> <p>LR: Sub-codes – ‘quality of healing’, ‘speed of healing’, ‘whether healed or not’, ‘suggested as main outcome’. Patients often discuss scab formation when talking about healing.</p> <p>RM: Measured as ‘Effectiveness (wound healing)’ in one study 1= well healed, 3=poorly healed, not a PRO. Also measured as a PRO in another study ‘Has your wound healed?’</p> <p>CM: Healing could be a standalone category (one of the outcomes): definition of healing, healing time</p>		<p>Relevant to longer term outcomes of wound healing (not relevant within first days of surgery)</p> <p>Patients’ wounds not visible if dressing applied</p>
	Bruising	✓	✓			DE: Described as ‘black and blue’		
	Colour	✓	✓	✓	✓	<p>DE: Described as ‘purple’/’pink’/’grey’/’red’ (see inflammation’)</p> <p>LR: ‘Black and bluish’ (also fit under ‘bruising’, as above)</p> <p>RM: Redness</p> <p>CM: Colour was talked about more in the context of healing, ie as an indicator (for the patients) of whether or not the wound was healing</p>		
	Cosmesis/aesthetics		✓		✓	RM: Described as ‘cosmesis’, ‘cosmetic outcome’ and ‘cosmetic result’ in the literature		

	Scars	✓	✓	✓	✓	DE: A long term measure RM: Pigmentation, scar colour, presence of inflammation, suppleness or pliability, scar height or evenness with the surrounding skin, using modified Vancouver Burn Assessment Scale		
	Size	✓	✓	✓				
	Scabbing	✓	✓	✓		DE: Associated with healing		
	Inflammation/swelling	✓	✓	✓		DE: Described as 'burning' CM: Described by patients as an outcome		
	Overall appearance of wound	✓	✓	✓		DE: Described as 'unsightly', 'neat', 'tidy', 'messy' LR: 'ugly' CM: 'Smooth'		
	Maceration of the skin				✓	RM: not a PRO		
	Satisfaction with the appearance of the wound				✓			
	Whether patient would prefer to see the wound	✓	✓					