Deep dive tool for Orthopaedic SSI reviews - DRAFT

I.	Background information					
1 .	. Patient name:		1b	. Patient NH	l:	
1c.	1c. Hospital:					
2.	Brief narrative description of SSI (patient description, date and type of original procedure, indication for surgery, theatre number, admission, readmission date and discharge date, date of signs/symptoms, date SSI confirmed, type of SSI, organisms identified).					
3.	Names of surgeons (registrar, co	onsultant, etc.)	, anaesthetist and	scrub team in	volved in the surgery.	
4.	Patient attended a pre-admis	sion clinic?	Yes	☐ No	Unknown	
II.	Patient risk factors – was t	the patient ic	lentified as highe	r risk of sur	gery pre-operatively?	
1.	Revision surgery?		Yes	☐ No	Unknown	
2.	Prior infection in joint?		Yes	☐ No	Unknown	
3.	Age:					
4.	Medical comorbidities (ASA score):	1 2	3 4	<u> </u>	Not recorded	
	Other comorbidities:					
5.	Obesity (elevated BMI)?	30	30-<35	35-40	>40	
	If BMI not known, specify height and weight:					
6.	Antibiotic allergy?		Yes	☐ No	Unknown	
	If yes, list antibiotics:					
7.	Diabetes Type 1	Type 2	Type 2 on insulin	☐ No	Unknown	

8.	. Haemoglobin A1c prior to surgery:		~7%	≥7%	Unknown	
9.). Poor compliance with medical advice in past?		Yes	☐ No	Unknown	
10	Current (smoked within 1 month prior to surgery)		Past (quit > 1 Never month)		Unknown	
11	. Skin conditions:	Psoriasis	☐ De	ermatitis	Lesions	
		Boils	Und	der control	Unknown	
12	Pre-op renal function:	Normal Po	oor	nal failure post-op	Unknown	
		Test used G	FR Creatinir	ne		
13.	Duration of hospitalisation	on (LOS days)	Pre-operative:			
			Post-operative:			
14.	. Elective or acute (emerg	ent) procedure?	Elective	Acute	Unknown	
15.	Infection at distal sites at	time of surgery?	Yes	☐ No	Unknown	
	If yes, specify sit	re:				
16.	Admission from another	health care facility?	Yes	☐ No	Unknown	
17.	S aureus colonisation?	Yes, MSSA	Yes, MRSA	☐ No	Unknown	
18.	18. Other risk factors identified:					
19.	If yes, was a specific plar put in place including referral, deferment of surgery, etc.?	1				
III.	Pre-operative meas	ures				
1.	Admission day before sur	gery?	Yes	☐ No	Unknown	
2.	Hair removal:	Clipping	Shaving	Other	None	
3.	Components of Staph but	ndle:				
	Nasal decolonisation:	Yes, self-administered	Yes, supervised by HCW	☐ No	Unknown	
	Skin decolonisation:	Yes, self-administered	Yes, supervised by HCW	☐ No	Unknown	
4.	Clear pre-operative instruappropriate language?	uctions given in	Yes	☐ No	Unknown	

IV.	Operative measures			
1.	Patient's temperature abnormal (>38.0°C or ≤36.0°C) between pre-operative to recovery areas?	Yes	☐ No	Unknown
2.	Appropriate antibiotic prophylaxis compliance (dose, timing)?	Yes	☐ No	Unknown
	If no, specify non-compliance:			
	* Note: vancomycin is needed (in addition) if patient	is colonised with MRSA		
	Additional dose administered?	Yes	☐ No	Unknown
3.	Antibiotics appropriate for alert (allergies, etc.):	Yes	☐ No	Unknown
4.	Skin preparation: Alcohol-based Chlorhexidine or Alcohol-based Povidone Iodine?	Yes	☐ No	Unknown
	If no, specify product used:			
5.	Theatre attire, etc. worn according to hospital policy?	Yes	☐ No	Unknown
6.	Tissue oxygenation optimised (80% fraction of inspired oxygen (FiO2) intraoperative and 2-6 hrs postoperatively if general anaesthesia with endotracheal intubation used):	Yes	☐ No	Unknown
7.	Blood loss? None	≤1.5L	>1.5L	Unknown
8.	Tourniquet used?	Yes	No	Unknown
	If yes, was tourniquet applied after antibiotic prophylaxis?	Yes	No	Unknown
9.	Antibiotics cement used?	Yes	☐ No	Unknown
10	DVT prophylaxis administered?	Yes	☐ No	Unknown
11	. Prolonged duration of surgery (≥2 hours for hip and knee surgery)?	Yes	☐ No	Unknown
	If yes, specify reasons:			
12	. Antimicrobial (eg, triclosan) sutures used?	Yes	☐ No	Unknown
13	Orthopaedics space suits used?	Yes	☐ No	Unknown
14	Any unusual intraoperative incidents (documented variations from the norm)?			

٧.	Post-operative i	neasures			
1.	Blood glucose control checked?	Yes, <200mg/dL	Yes, ≥200mg/	dL No	Unknown
	What was patient's highest blood glucose level from preoperative to postoperative day one (if checked)?				
2.	Surgeon notified at t diagnosis?	ime of infection	Yes	☐ No	Unknown
3.	Referral process: patient referred properly (as opposed to given antibiotics by GP without wound being looked at)?		Yes	□ No	Unknown
4.	Intraoperative wound interventions (e.g. washouts leading to infection) following surgery prior to infection being identified?		Yes	□ No	Unknown
5.	Antibiotic prophylax accordance with sta practice/guidelines?	ndard	Yes	☐ No	Unknown
6.	Wound care:	a. post-op dressing.	:		
	b. time dressing left in place:				
	c. a	ny interventions needed?	Yes	☐ No	Unknown
		If yes, please specify?			
(d. discharge wound ca	are instructions provided?	Yes	☐ No	Unknown
7. Heavy post-op oozing?			Yes	☐ No	Unknown
8.	DVT prophylaxis (eg,	Tranexamic acid) used?	Yes	☐ No	Unknown
١/١	Miscellaneous				
VI.		ana idamtifia d?			
Ar	y other relevant facto	ors identified?			