

## Pilot Project Form: Screening Orthopedic Surgical Patients for Infection Risk

**GOAL:** To reduce surgical site infections among Orthopedic Surgery patients in Kootenay Boundary Regional Hospital (KBRH) **OBJECTIVES:** 1) To identify and address modifiable infection risk factors among Kootenay Boundary patients prior to referral to Orthopedic Surgeon 2) To monitor and optimize surgical infection prevention before, during, and after surgery at KBRH

**INSTRUCTIONS FOR USE:** 1) Family Medical Doctor's office: Complete the Family MD section and fax form to the Orthopedic Surgeon's office. 2) Orthopedic Surgeon's office: After the surgeon has reviewed the information in the Family MD section, fax the form to KBRH OR Booking (250-364-3492) when submitting the referral. 3) KBRH OR Booking office: Submit form to PSS. 4) KBRH PSS: Attach hard copy to patient's chart Patient Identification

Patient Identification					
Patient Name (Last, First)		PHN			
Family MD Section					
#	Question	Answer (√)			Notes to Physician
		Yes	No	Don't know	
1	Presently, does the patient smoke cigarettes either occasionally or every day?				If patient answers yes, advise him/her to stop smoking or at least 6 weeks prior. Discuss or implement smoking cessation strategy(ies).
2	Does the patient have diabetes?				If HbA1C is 8 or above, consider diabetes clinic referral.
3	Patient's BMI =				If BMI > 35, consider referral to dietician.
4	Is the patient's Hb <118 (female) or <135 (male)?				If yes, family MD to investigate.
5	Is the serum albumen less than 25 g/L or you have concerns regarding the nutritional status of the patient?				If yes, consider dietician referral.
6	Is the patient male and age over 75 years?				If yes, complete <a href="#">International Prostate Symptom Score</a> . If patient has moderate to severe symptoms, refer patient to Urology.
7	Does the patient have poor dentition?				If yes, consider referral to dentist.
8	Does the patient have significant active comorbidities? (ex: cardiac, pulmonary, renal failure, liver failure...)				If yes, consider Internal Medicine review.
9	None of the above apply to the patient?				
10	Has baseline bloodwork been obtained? (CBC, electrolytes, BUN, CR, HbA1c, albumen, PTT, INR, AST, ALT, BNP)				

#	Question	Answer (√)			Notes to Physician or Nursing Staff
		Yes	No	Don't know	
<b>Orthopedic Surgeon Office Section</b>					
11	Does the patient have any significant mobility issues or known difficulties accessing care? (ex: transportation, living situation...)				If yes, consider Community Health referral (OT, PT, social work...)
12	Has patient received "Preparing for Surgery" package?				If no, please click on either <a href="#">"Before, During and After Hip Joint Replacement Surgery"</a> or <a href="#">"Before, During and After Knee Joint Replacement Surgery"</a>
<b>Pre-surgical Screening Section</b>					
13	Is the patient's fasting blood glucose >10?				If yes, Anaesthesia to review
14	Has patient received "Preparing Your Skin for Surgery"?				If no, please provide "Preparing Your Skin for Surgery" pamphlet ( <a href="#">click here</a> )
15	Does the patient have any current infections?				If yes, refer back to Family MD and postpone surgery.
16	Does surgery need to be postponed for any reason?				If yes, list reason and Anaesthesia to dictate letter to Orthopedic surgeon and cc to Family MD
<b>Day Care Unit Section</b>					
17	Is the patient's fasting blood glucose >10?				If yes, notify Anesthesia
18	Does the patient require hair clipping?				If yes, complete clipping outside of OR. <a href="#">Click here if more information is needed.</a>
19	Is the patient's temp 36 to 38°C?				<a href="#">Click for normothermia management standard practice</a>
20	Has nasal decontamination been performed?				
21	Has pre-operative body wipe been performed?				

#	Question	Answer (√)			Notes to Physician or Nursing Staff
		Yes	No	DK	
<b>Intra-operative Section</b>					
22	Has the patient been administered antibiotic prophylaxis as per guidelines?				<a href="#">Click here for UPDATED surgical antibiotic prophylaxis guidelines</a>
23	Has the patient's skin been prepared with chlorhexidine in 70% alcohol and allowed to dry for ≥3 minutes?				<a href="#">Click here for OR skin prep options</a>
24	Has patient been give tranexamic acid?				
25	Is patient's temp between 36 and 38 °C?				<a href="#">Click for normothermia management standard practice</a>
26	Is the patient's oxygen optimized?				
27	Mepilex border dressing used?				<a href="#">Click here for Mepilex Border dressing direction and information sheet</a>
<b>PAR</b>					
28	Temperature and oxygen levels as per standards?				<a href="#">Click here for PAR standards for temperature and oxygen</a>
29	Patient's blood glucose =				If blood glucose >10, notify surgeon and begin insulin with or without IM/FMD consultation.
<b>Post-operative Inpatient Unit Section</b>					
30	Oxygenation via nasal prong?				Recommendation - minimum 6 hours post-operatively, then as required
31	Is patient in "orthopedic surgery" unit?				Recommendation - Ortho unit provides optimal post-op care
32	Is the patient's blood glucose >10?				If yes, notify MRP, institute insulin PPO, consider IM/FMD consultation
33	Wound care: Maintain dressing 24 hours minimum. Reinforce dressing in first 24-48 hours with abd pads if oozing. Is dressing saturated POD #2?				If yes, notify surgeon.
34	Are there any wound concerns?				If yes, refer to Community Health for wound check in 5 to 7 days.
35	Does the patient have a Foley catheter?				If yes, follow IH practice standard. <a href="#">Click here for Urinary Catheter in Adults, Clinical Practice Standard and Procedure.</a>
36	Is the patient incontinent?				If yes, notify MRP measures to prevent contamination of incision sites.
37	Has the patient been given wound care education sheet/form?				<a href="#">Click here for Incision Care for Orthopedic Surgery, Kootenay Boundary Regional Hospital Patient Information.</a>
38	Has the patient been given a discharge care plan?				

#	Question	Answer (√)			Notes to Physician or Nursing Staff
		Yes	No	Don't Know	
<b>Community Section</b>					
39	Was a wound check performed by day 7 for patient at risk for infection?				
<b>Cast Clinic Section</b>					
40	Was the patient's wound checked?				
<b>Orthopedic Surgeon Follow Up</b>					
41	Patient seen in follow up at 6 weeks?				
42	Patient seen at 3 months?				
43	Patient seen at 6 months?				
44	Patient seen at 1 year?				