

Form Title Hip Fracture, Adult Post-Op Order Set

Form Number 21171Bond

© 2018, Alberta Health Services, CKCM



This work is licensed under the Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International License. The license does not apply to content for which the Alberta Health Services is not the copyright owner.

To view a copy of this license, visit

https://creativecommons.org/licenses/by-nc-nd/4.0/

**Disclaimer:** This material is intended for use by clinicians only and is provided on an "as is", "where is" basis. Although reasonable efforts were made to confirm the accuracy of the information, Alberta Health Services does not make any representation or warranty, express, implied or statutory, as to the accuracy, reliability, completeness, applicability or fitness for a particular purpose of such information. This material is not a substitute for the advice of a qualified health professional. Alberta Health Services expressly disclaims all liability for the use of these materials, and for any claims, actions, demands or suits arising from such use.



	Last Name (Legal)         Preferred Name          Last         District		First Name (Legal)			
			DOB(dd-Mon-yyyy		(dd-Mon-yyyy)	
	PHN	ULI 🗆 Sa	ame a	s PHN	MRN	
d box <b>Pathway</b>	Administrative Geno				<ul><li>□ Female</li><li>□ Unknown</li></ul>	
quired						
lip Care F	Pathway					

Select orders by placing a ( $\checkmark$ ) in the associated box For more information, see *Fractured Hip Care Pathway* 

# **Goals of Care Designation**

Reassess Goals of Care Designation (GCD) post-op if required

### Discharge

Anticipated Date of Discharge:

□ Date (dd-Mon-yyyy):

Choose ONE:

- □ Greater than 5 days
- □ Less than 5 days
- Unknown

☑ Clinical Communication: Follow *Fractured Hip Care Pathway* 

### Diet

Consult Dietitian if Renal Diet selected

☑ High Protein High Calorie Diet: start POD 0

- □ Regular Diet: start POD 0
- Diabetic Diet: start POD 0

□ Renal Diet: start POD 0

□ Other

Oral Nutrition Supplement

Appropriate when patient is on any type of oral diet including Gluten Free and Diabetic – Adult.

Suitable for lactose intolerance but NOT appropriate for dairy allergy. Start on POD 0 and continue until discharge.

☑ Ensure Protein Max 90 mL orally three times daily (e.g. 0800, 1400, 2000)

- □ TwoCal HN 60 mL orally three times daily (e.g. 0800, 1400, 2000)
- ☑ Malnutrition Screening: Complete The Canadian Nutrition Screening Tool (CNST) by POD 1. Consult Dietician if criteria met for nutrition risk - 2 "yes" answers on screening

# **Patient Care**

### Activity

- ☑ Weight bearing: as tolerated
- □ Weight bearing, restricted;

(Type of weight bearing) x

weeks.

Reason for restrictions:

Ambulate on post-op day (POD) 1

### Vital Signs

- ☑ Vital Signs: temperature (T), pulse rate (P) respiratory rate (RR), blood pressure (BP), oxygen saturation (SpO2), sedation level, and pain scale. As per postoperative routine
- ☑ Neurovascular Assessment. As per postoperative routine

### **Patient Care Assessments**

- ☑ Confusion Assessment Method (CAM): every 8 hours x 14 days and PRN if change in patient's clinical status. If CAM is positive, contact physician.
- Confusion Assessment Method (CAM): daily and PRN if change in patient's clinical status, start on POD 15. If CAM is positive, contact physician.

# If CAM is positive, please see **Delirium Investigation and Management Orders**

If CAM is negative, please see **Delirium Prevention Orders** 

☑ Pressure Injury/Ulcer Prevention: Use pressure injury/ulcer prevention strategies if Braden Score is 18 or less. Refer to local institutional practices until provincial orders available.

### If Braden score is 18 or less, please see *Pressure Injury/Ulcer Prevention Order Set*

Prescriber Name	Prescriber Signature	Date (dd-Mon-yyyy)	Time (hh mm)



Last Name (Legal)			First Name (Legal)			
Preferred Name  Last  First			DOB(dd-Mon-yyyy)			
PHN	ULI □ Same as PHN		s PHN	MRN		
Administrative Gender			se (X)	<ul><li>Female</li><li>Unknown</li></ul>		

### Patient Care Continued

### Intake and Output

- ☑ Intake and Output: every shift
- ☑ Indwelling catheter Remove: by early morning POD 1
- ☑ Toileting/Elimination: timed toileting 4 times per day
- ☑ Bladder Scan: if patient unable to void within 6 hours of indwelling catheter removal and every 6 hours until post void residual volume is less than 200 mL
- In and out catheter: if bladder scan volume is greater than 300 mL
- Clinical communication: discontinue bladder scan when post void residual volume is less than 200 mL

### **Respiratory Interventions**

- ☑ O2 Therapy Titrate to Saturation (SpO2): Titrate oxygen to maintain oxygen saturation (SpO2) greater than or equal to 92% or patient baseline
- ☑ Maintain on oxygen for 24 hours postoperative
- Deep Breathing and Coughing: every 1 hour and PRN while awake

### Wound Care

☑ Dressing - Change dressing

Choose ONE:

D POD 2

□ Other

#### Laboratory Investigations

#### Hematology

☑ Complete blood count with differential (CBC) daily on POD 1, 2, 3. Notify physician if Hemoglobin is less than 80 g/L or patient is symptomatic

If patient receiving warfarin

□ PT INR daily

### Chemistry

☑ Carbon Dioxide (CO2) daily on POD 1, 2, 3

Chloride (CI) daily on POD 1, 2, 3

☑ Creatinine daily on POD 1, 2, 3

☑ Magnesium once on POD 1

Potassium (K) daily on POD 1, 2, 3

☑ Sodium (Na) daily on POD 1, 2, 3

### Diagnostic Imaging

If intraoperative fluoroscopy not completed:

□ Hip X-ray anterior-posterior and lateral	□ Femur X-ray	
(GR Hip, 1 - 2 Projections)	□ Right femur	
□ Right Hip	Left femur	
□ Left Hip		
	D POD 1	
POD 1	🗆 POD 2	
POD 2	D POD 3	
D POD 3		
Prescriber Signature	Date (dd-Mon-yyyy)	Time (hh mm)



Last Name (Legal)		First Name (Legal)		
Preferred Name  Last  First			DOB(dd-Mon-yyyy)	
PHN	ULI 🗆 Same as PHN			MRN
Administrative Geno			se (X)	<ul><li>□ Female</li><li>□ Unknown</li></ul>

IV Maintenance							
Choose ONE: □ lactated ringers infusion IV at mL/hou □ sodium chloride 0.9% infusion IV at m □ dextrose 5% – sodium chloride 0.9% infusion	nL/hour	mL/hour					
Saline Lock/Flush □ Saline Lock: when patient drinking well □ Intravenous Cannula – Discontinue: after blood work results assessed on POD 3							
VTE Prophylaxis							
<ul> <li>28 days recommended or until back on therapeutic full dos</li> <li>□ Clinical Communication: Anaesthesia confirmation</li> <li>postoperative</li> </ul>	-		hours				
Minimum 12 hours between □ tinzaparin 4500 units S	UBCUTANE	DUSLY once, 6 hours pos Y every 24 hours x first 24 hour dose.	toperatively and				
<ul> <li>Choose for patients less than 40 kg (30 to 39 kg):</li> <li><i>Recommended tinzaparin dosing is 75 units/kg (actual body weight) for patients less than 40 kg</i></li> <li>□ tinzaparin 3500 units SUBCUTANEOUSLY every 24 hours x days. Start hours postoperatively.</li> <li>Choose for patients less than 30 kg:</li> <li><i>Recommended tinzaparin dosing is 75 units/kg (actual body weight) for patients less than 30 kg</i></li> <li>□ tinzaparin 2500 units SUBCUTANEOUSLY every 24 hours x days. Start hours</li> </ul>							
<ul> <li>postoperatively.</li> <li>Choose for patients greater than 100 kg:</li> <li><i>Recommended tinzaparin dosing is 75 units/kg (actual body weight) for patients greater than 100 kg.</i></li> <li>See AHS Tinzaparin band dosing chart for VTE prophylaxis for banded dosing</li> <li>□ tinzaparin units SUBCUTANEOUSLY every 24 hours x days. Start hours postoperatively.</li> </ul>							
For patients with impaired renal function (Creatinine Cleara Choose ONE:	For patients with impaired renal function (Creatinine Clearance [CrCl] less than 20 mL/minute) Choose ONE:						
□ heparin 5,000 units SUBCUTANEOUSLY every 12 hours xdays. Start 6 to 8 hours postoperatively OR □ tinzaparin 4500 units SUBCUTANEOULY every 24 hours xdays. Starthours postoperatively.							
Patients on warfarin prior to hospital admission □ warfarin mg PO daily. Start on POD 0. Adjust daily dose to patient s	pecific target	INR range; to					
Prescriber Signature	Date (dd-Mon-yyyy) Time (hh mm)						
			I				



Last Name (Legal)			First Name (Legal)			
Preferred Name  Last  First			DOB(dd-Mon-yyyy)			
PHN	ULI 🗆 Sa	ame a	s PHN	MRN		
Administrative Gender			se (X)	<ul><li>Female</li><li>Unknown</li></ul>		

VTE Prophylaxis Continued				
Patients on direct oral anticoagulants (DOAC) prior to hos These are not to be used with any other anticoagulant. Restart when hemostasis is achieved; 24 hours for low ble		-		
( <i>if applicable</i> ) postoperatively.	mg PO daily. S	art hours (24 or 48 Start hours (24 or 4 rt hours (24 or 48	48 hours)	
Medications				
Antibiotic Prophylaxis	rst dose 8 hou	rs after preoperative dose		
OR if ceFAZolin allergy or severe non-IgE mediated reaction to any β-lactam antibiotics:          Choose one (if applicable)       □ clindamycin 600 mg IV every 8 hours x 3 doses. First dose 8 hours after preoperative dose         OR       Recommended vancomycin dosing is 15 mg/kg Doses should be rounded to the nearest 250 mg increment (i.e., 500 mg, 750 mg, 1000 mg, 1250 mg, 1500 mg, etc.)         □ vancomycin IV every 12 hours x 2 doses. First dose 12 hours after preoperative dose.         (Less than or equal to 1 g over at least 60 minutes. Greater than 1 g to 1.5 g over at least 90 minutes. Greater than 1.5 g over 120 minutes.)				
□ acetaminophen 650 mg PO/rectally QID. Maximum 3000 mg acetaminophen per 24 hours from	all sources.			
<ul> <li>□ HYDROmorphone 0.5 mg PO every 2 hours PRN for pain</li> <li>□ HYDROmorphone 0.25 mg IV/SUBCUTANEOUSLY every 2 hours</li> <li>OR</li> <li>□ morphine 5 mg PO every 2 hours PRN for pain</li> <li>OR</li> <li>□ morphine 2.5 mg IV/SUBCUTANEOUSLY every 2 hours PRN for pain</li> </ul>				
PRN for pain Antiemetics Avoid dimenhyDRINATE in the elderly: □ ondansetron 4 mg PO/SL every 8 hours PRN □ ondansetron 4 mg IV every 8 hours PRN for				
Prescriber Signature	Date (dd-	Mon-yyyy)	Time (hh mm)	

Alberta Health Services		Last Name (Legal)			First Na	First Name (Legal)	
		Prefe	Preferred Name  Last  First			DOB(dd-Mon-yyyy)	
		PHN		ULI 🗆 Sa	ame as PH	in MRN	
Hip Fracture, Adult Post-Op Order Set		Adm	inistrative Gen	der $\Box$ M		□ Female	
Select orders by placing a (✓) in the associated For more information, see <i>Fractured Hip Care F</i>						X) 🗆 Unknown	
Bowel Routine							
Choose ONE if applicable:							
Polyethylene glycol NF 3350 powder (PEG 3350 powder oral solution) 17 g PO daily OR		D	<ul> <li>senna glycosides 2 tablets (8.6 daily at bedtime. Hold if stool is</li> <li>bisaCODyl 10 mg rectally daily constipation</li> <li>sodium phosphate enema 130</li> </ul>		stool is loose ly daily PRN for		
□ lactulose 30 mL PO once daily			El soulum p	nospilai	le enen	na 150 me rectany	
<ul> <li>Contraindications: esophageal stricture or impaired swallow</li> <li>alendronate 70 mg 1 tab PO weekly at least 3 least 30 minutes after medication given</li> <li>Start on POD 7</li> <li>Start on POD</li> </ul>	ving, eGFI	R less :	than 35 mL/min		nt to rer	main upright for at	
Contraindications: esophageal stricture or impaired swallow risedronate 35 mg PO weekly at least 30 min minutes after medication given Start on POD 7 Start on POD	-					pright for at least 30	
<ul> <li>Patient Specific Medications</li> <li>□ Clinical Communication – Medications &amp; IVs: is less than 100 or pulse less than 55, and no</li> <li>□ Clinical Communication – Medications &amp; IVs: pressure is less than 100 and notify physician</li> </ul>	otify phys if patient	sician		. ,	-	-	
Consults and Referrals ☑ Physiotherapy Referral – assess and treat: po ☑ Occupational Therapy Referral – assess and □ Dietitian Referral: if renal diet ordered □ Dietitian Referral: if patient identified as nutrit □ Social Work Referral □ Transition Services Referral □ Other Consult/Referral:	treat: po	ost hip	fracture sure				
<ul> <li>Discharge Planning</li> <li>☑ Discharge plan: assess daily, finalize by POD</li> <li>☑ Discharge Instructions: transfer to appropriate</li> <li>☑ Discharge Instructions: home care/transitiona</li> <li>☑ Discharge Instructions: remove staples/suture</li> </ul>	e alterna al care or	ders	as required				
Prescriber Signature							