

ORTHO TOTAL KNEE REPLACEMENT POST-OP PLAN
- Phase: When Pt. Arrives to Room

PHYSICIAN ORDERS

Place an "X" in the Orders column to designate orders of choice AND an "x" in the specific order detail box(es) where applicable.

ORDER	ORDER DETAILS
Patient Care	
	Vital Signs <input type="checkbox"/> Per Unit Standards, Post-Op with SaO2 <input type="checkbox"/> Per Unit Standards
	Perform Neurovascular Checks <input type="checkbox"/> To: Operative Extremity, Check every 30 minutes x 2 then with Vital Signs q30min
	Strict Intake and Output <input type="checkbox"/> Per Unit Standards <input type="checkbox"/> q1h <input type="checkbox"/> q2h <input type="checkbox"/> q4h <input type="checkbox"/> q12h
Urinary Catheter Care	
	Patient Activity <input type="checkbox"/> Assist as Needed, Daily Foot Pumping exercises x 10 every 30 minutes until night time <input type="checkbox"/> Patient out of bed 2-3 times on post-op day 0
Set Up for Overhead Trapeze and Frame	
	Activity Precautions <input type="checkbox"/> Knee Immobilizer when out of bed, for support with femoral nerve block <input type="checkbox"/> Bed pillow between knees <input type="checkbox"/> Abduction pillow between knees
	Wound Care by Bedside Nursing <input type="checkbox"/> T;N, Located: Operative knee, ABD Pad, Hypafix Tape, PRN, Reinforce dressing <input type="checkbox"/> T;N, Located: Operative knee, ABD Pad, Hypafix Tape, PRN, Reinforce dressing. Monitor drain output every shift.
	LLE Weight Bearing Activity <input type="checkbox"/> Weight Bearing as Tolerated <input type="checkbox"/> Partial Weight Bearing <input type="checkbox"/> Touch Down Weight Bearing <input type="checkbox"/> Non Weight Bearing
	RLE Weight Bearing Activity <input type="checkbox"/> Weight Bearing as Tolerated <input type="checkbox"/> Partial Weight Bearing <input type="checkbox"/> Touch Down Weight Bearing <input type="checkbox"/> Non Weight Bearing
	Elevate Extremity <input type="checkbox"/> Other, Elevate legs while out of bed <input type="checkbox"/> Keep knees extended in bed with pillow under calf <input type="checkbox"/> Left Lower Extremity (LLE) <input type="checkbox"/> Right Lower Extremity (RLE)
	Convert IV to INT <input type="checkbox"/> When tolerating PO
	Apply Cold Therapy Device <input type="checkbox"/> Apply to Left Knee <input type="checkbox"/> Apply to Right Knee <input type="checkbox"/> Apply to Bilateral Knees
Communication	
	Notify Provider/Primary Team of Pt Admit <input type="checkbox"/> Notify: PCP, Upon Arrival to Unit
	Notify Provider of VS Parameters
	Notify Provider (Misc)
	Notify Nurse (DO NOT USE FOR MEDS)

TO Read Back

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Order Taken by Signature: _____ Date _____ Time _____

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Dietary

Oral Diet

- Clear Liquid Diet, Advance as tolerated to Regular
- Clear Liquid Diet, Advance as tolerated to Carbohydrate Controlled (1600 calories)
- Clear Liquid Diet, Advance as tolerated to Carbohydrate Controlled (2000 calories)
- Clear Liquid Diet, Advance as tolerated to Heart Healthy Regular Diet
- Full Liquid Diet Heart Healthy Diet
- Carbohydrate Controlled (1600 calories) Diet Carbohydrate Controlled (2000 calories) Diet

Laboratory

CBC

- Next Day in AM, T+1;0300

CBC with Differential

- Next Day in AM, T+1;0300

Prothrombin Time with INR

- Next Day in AM, T+1;0300

PTT

- Next Day in AM, T+1;0300

Basic Metabolic Panel

- Next Day in AM, T+1;0300

Comprehensive Metabolic Panel

- Next Day in AM, T+1;0300

Respiratory

IS Instruct

Oxygen (O2) Therapy

- Via: Nasal cannula, Keep sats greater than: 92%

Physical Medicine and Rehab

Consult PT Mobility for Eval & Treat

Consult Occ Therapy for Eval & Treat

- T+1;N, ADL's

Consults/Referrals

Social Services for Assessment and Eval (Discharge Planning Evaluation by Social Services)

- Discharge Planning

Social Services for DME for Home

- Bedside Commode | Shower Chair | CPM for Home Use, Walker for home use

Social Services for Home Health Care

- Home Physical Therapy | Home Care Nurse

...Additional Orders

TO Read Back

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Order Taken by Signature: _____ Date _____ Time _____

Physician Signature: _____ Date _____ Time _____



ORTHO TOTAL KNEE REPLACEMENT POST-OP PLAN
 - Phase: ORTHO POST-OP MEDICATION PLAN FOR
 PATIENTS 40 KG OR GREATER

PHYSICIAN ORDERS

Place an "X" in the Orders column to designate orders of choice AND an "x" in the specific order detail box(es) where applicable.

ORDER	ORDER DETAILS
IV Solutions	
	LR (Lactated Ringer's) <input type="checkbox"/> IV, 75 mL/hr <input type="checkbox"/> IV, 125 mL/hr <input type="checkbox"/> IV, 200 mL/hr <input type="checkbox"/> IV, 100 mL/hr <input type="checkbox"/> IV, 150 mL/hr
	D5 1/2 NS + 20 mEq KCl/L <input type="checkbox"/> IV, 75 mL/hr <input type="checkbox"/> IV, 125 mL/hr <input type="checkbox"/> IV, 200 mL/hr <input type="checkbox"/> IV, 100 mL/hr <input type="checkbox"/> IV, 150 mL/hr
	1/2 NS <input type="checkbox"/> IV, 75 mL/hr <input type="checkbox"/> IV, 125 mL/hr <input type="checkbox"/> IV, 200 mL/hr <input type="checkbox"/> IV, 100 mL/hr <input type="checkbox"/> IV, 150 mL/hr
	NS (Normal Saline) <input type="checkbox"/> IV, 75 mL/hr <input type="checkbox"/> IV, 125 mL/hr <input type="checkbox"/> IV, 200 mL/hr <input type="checkbox"/> IV, 100 mL/hr <input type="checkbox"/> IV, 150 mL/hr
	D5 1/2 NS <input type="checkbox"/> IV, 75 mL/hr <input type="checkbox"/> IV, 125 mL/hr <input type="checkbox"/> IV, 200 mL/hr <input type="checkbox"/> IV, 100 mL/hr <input type="checkbox"/> IV, 150 mL/hr
Medications	
Medication sentences are per dose. You will need to calculate a total daily dose if needed.	
	aspirin <input type="checkbox"/> 81 mg, PO, tab ec, Daily <input type="checkbox"/> 325 mg, PO, tab ec, Daily <input type="checkbox"/> 81 mg, PO, tab ec, BID
	rivaroxaban <input type="checkbox"/> 10 mg, PO, tab, In PM
Antibiotics	
	ceFAZolin <input type="checkbox"/> 1 g, IVPush, inj, q8h, x 3 dose Begin 6 hours after preoperative dose given. Reconstitute with 10 mL of Sterile Water or NS Administer IV Push over 3 minutes <input type="checkbox"/> 2 g, IVPush, inj, q8h, x 3 dose Begin 6 hours after preoperative dose given. Reconstitute each vial with 10 mL of Sterile Water or NS Administer IV Push over 3-5 minutes Continued on next page....

TO Read Back

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PHYSICIAN ORDERS

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ORDER	ORDER DETAILS
	<p>clindamycin</p> <p><input type="checkbox"/> 600 mg, IVPB, ivpb, q6h, x 3 dose, Infuse over 30 min Begin 6 hours after preoperative dose given.</p> <p><input type="checkbox"/> 900 mg, IVPB, ivpb, q6h, x 3 dose, Infuse over 30 min Begin 6 hours after preoperative dose given.</p>
	<p>vancomycin</p> <p><input type="checkbox"/> 15 mg/kg, IVPB, ivpb, q12h, x 1 dose, Infuse over 90 min Begin 12 hours after preoperative dose given.</p>
Scheduled Analgesics	
	<p>ketorolac</p> <p><input type="checkbox"/> 15 mg, IVPush, inj, q6h, x 48 hr ***May give IM if no IV access***</p>
	<p>acetaminophen</p> <p><input type="checkbox"/> 1,000 mg, IVPB, iv soln, q6h, x 2 dose, Infuse over 15 min ***Do not exceed 4,000 mg of acetaminophen from all sources in 24 hours***</p>
PRN Analgesics	
	<p>If ordering scheduled, intravenous acetaminophen for 24 hours, HYDROcodone-acetaminophen orders cannot begin until that order expires. This prevents exceeding the maximum 4000 mg/24 hours of acetaminophen.</p> <p>Select only ONE of the following for Mild Pain</p> <p>HYDROcodone-acetaminophen (HYDROcodone-acetaminophen 5 mg-325 mg oral tablet)</p> <p><input type="checkbox"/> 1 tab, PO, tab, q4h, PRN pain-mild (scale 1-3) If scheduled, intravenous acetaminophen for 24 hours ordered, HYDROcodone-acetaminophen orders cannot begin until that order expires. Do not exceed 4g/day of acetaminophen</p>
	<p>HYDROcodone-acetaminophen (HYDROcodone-acetaminophen 7.5 mg-325 mg oral tablet)</p> <p><input type="checkbox"/> 1 tab, PO, tab, q4h, PRN pain-mild (scale 1-3) If scheduled, intravenous acetaminophen for 24 hours ordered, HYDROcodone-acetaminophen orders cannot begin until that order expires. Do not exceed 4g/day of acetaminophen</p>
	<p>Select only ONE of the following for Moderate Pain</p> <p>HYDROcodone-acetaminophen (HYDROcodone-acetaminophen 5 mg-325 mg oral tablet)</p> <p><input type="checkbox"/> 2 tab, PO, tab, q4h, PRN pain-moderate (scale 4-7) If scheduled, intravenous acetaminophen for 24 hours ordered, HYDROcodone-acetaminophen orders cannot begin until that order expires. Do not exceed 4g/day of acetaminophen.</p> <p>Continued on next page....</p>

TO Read Back

Scanned Powerchart

Scanned PharmScan

Order Taken by Signature: _____ Date _____ Time _____

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ORTHO TOTAL KNEE REPLACEMENT POST-OP PLAN
 - Phase: ORTHO POST-OP MEDICATION PLAN FOR
 PATIENTS 40 KG OR GREATER

PHYSICIAN ORDERS

Place an "X" in the Orders column to designate orders of choice AND an "x" in the specific order detail box(es) where applicable.

ORDER	ORDER DETAILS
	<p>HYDROcodone-acetaminophen (HYDROcodone-acetaminophen 7.5 mg-325 mg oral tablet) <input type="checkbox"/> 2 tab, PO, tab, q4h, PRN pain-moderate (scale 4-7) If scheduled, intravenous acetaminophen for 24 hours ordered, HYDROcodone-acetaminophen orders cannot begin until that order expires. Do not exceed 4g/day of acetaminophen.</p>
	<p>traMADol <input type="checkbox"/> 50 mg, PO, tab, q6h, PRN pain-moderate (scale 4-7) ****IF traMADol ineffective/contraindicated, USE PRN oxyCODONE if ordered**** <input type="checkbox"/> 100 mg, PO, tab, q6h, PRN pain-moderate (scale 4-7) ****IF traMADol ineffective/contraindicated, USE PRN oxyCODONE if ordered****</p>
	<p>oxyCODONE <input type="checkbox"/> 5 mg, PO, tab, q4h, PRN pain-moderate (scale 4-7) <input type="checkbox"/> 10 mg, PO, tab, q4h, PRN pain-moderate (scale 4-7)</p>
	<p>Select only ONE of the following for Severe Pain</p> <p>morphine <input type="checkbox"/> 2 mg, Slow IVPush, inj, q2h, PRN pain-severe (scale 8-10) ****IF morphine is ineffective/contraindicated, USE HYDROmorphine if ordered**** <input type="checkbox"/> 4 mg, Slow IVPush, inj, q2h, PRN pain-severe (scale 8-10) ****IF morphine is ineffective/contraindicated, USE HYDROmorphine if ordered****</p>
	<p>HYDROmorphine <input type="checkbox"/> 0.2 mg, Slow IVPush, inj, q4h, PRN pain-severe (scale 8-10) <input type="checkbox"/> 0.5 mg, Slow IVPush, inj, q4h, PRN pain-severe (scale 8-10) <input type="checkbox"/> 1 mg, Slow IVPush, inj, q4h, PRN pain-severe (scale 8-10)</p>
Muscle Relaxant	
	<p>Oral methocarbamol is not FDA approved in patients less than 16 years of age.</p> <p>methocarbamol <input type="checkbox"/> 500 mg, PO, tab, q6h, PRN muscle spasms <input type="checkbox"/> 750 mg, PO, tab, q6h, PRN muscle spasms <input type="checkbox"/> 500 mg, IVPush, inj, q6h, PRN muscle spasms, x 72 hr Administer IV Push over 3 minutes.</p> <p>Administer IV while in recumbent position. Maintain position for at least 10-15 minutes following infusion. <input type="checkbox"/> 750 mg, IVPush, inj, q6h, PRN muscle spasms, x 72 hr Administer IV Push over 3 minutes.</p> <p>Administer IV while in recumbent position. Maintain position for at least 10-15 minutes following infusion.</p>
Gastrointestinal Agents	
	<p>docusate <input type="checkbox"/> 100 mg, PO, cap, Nightly, PRN constipation ****IF docusate is contraindicated or ineffective after 12 hours, USE bisacodyl if ordered**** <input type="checkbox"/> 100 mg, PO, cap, BID ****IF docusate is contraindicated or ineffective after 12 hours, USE bisacodyl if ordered****</p>
	<p>bisacodyl <input type="checkbox"/> 10 mg, rectally, supp, Daily, PRN constipation</p>

TO Read Back

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Order Taken by Signature: _____ Date _____ Time _____

Physician Signature: _____ Date _____ Time _____



ORTHO TOTAL KNEE REPLACEMENT POST-OP PLAN
- Phase: PCA MED PLAN

PHYSICIAN ORDERS

Place an "X" in the Orders column to designate orders of choice AND an "x" in the specific order detail box(es) where applicable.

ORDER	ORDER DETAILS
Communication	
Notify Provider of VS Parameters (Notify Provider if VS) <input type="checkbox"/> RR Less Than 10, Patient becomes unresponsive	
Medication Management (Notify Nurse and Pharmacy) <input type="checkbox"/> Start date T;N If respirations fall below 10 breaths per minute or patient becomes unresponsive, stop PCA pump.	
IV Solutions	
<p>***CAUTION*** Ordering a continuous rate (Basal Dose), should be reserved for opioid tolerant patients who require high dose therapy.</p> <p>***DOSING NOTES***: 1. Initial doses are for opioid naive patients. Chronic pain patients may require higher doses. 2. Decrease initial starting dose by 25-30% in patients greater than 65 years of age, and/or patients with renal, hepatic, or pulmonary impairment. 3. Hydromorphone and fentanyl are recommended for patients with renal impairment and/or those who cannot tolerate morphine.</p> <p>morphine (morphine 30 mg/30 mL PCA) <input type="checkbox"/> Dose (mg) = 1, Lock-out Interval (min) = 10, 4-hour Limit (mg) = 20, Start date/time T;N <input type="checkbox"/> Dose (mg) = 2, Lock-out Interval (min) = 10, 4-hour Limit (mg) = 40, Start date/time T;N</p>	
<p>HYDROMorphone (HYDROMorphone 6 mg/30 mL PCA) <input type="checkbox"/> Dose (mg) = 0.1, Lock-out Interval (min) = 10, 4-hour Limit (mg) = 2, Start date/time T;N <input type="checkbox"/> Dose (mg) = 0.2, Lock-out Interval (min) = 10, 4-hour Limit (mg) = 4, Start date/time T;N <input type="checkbox"/> Dose (mg) = 0.3, Lock-out Interval (min) = 10, 4-hour Limit (mg) = 6, Start date/time T;N</p>	
<p>fentaNYL (fentaNYL 300 mcg/30 mL PCA) <input type="checkbox"/> Dose (mcg) = 10, Lock-out Interval (min) = 10, 4-hour Limit (mcg) = 100, Start date/time T;N <input type="checkbox"/> Dose (mcg) = 10, Lock-out Interval (min) = 10, 4-hour Limit (mcg) = 150, Start date/time T;N <input type="checkbox"/> Dose (mcg) = 10, Lock-out Interval (min) = 10, 4-hour Limit (mcg) = 200, Start date/time T;N</p>	
<p>If no IV Fluid is currently infusing, start 0.9% sodium chloride to keep vein open for duration of PCA</p> <p>NS (Normal Saline) <input type="checkbox"/> 1,000 mL final vol, IV, 20 mL/hr</p>	
Medications	
<p>Medication sentences are per dose. You will need to calculate a total daily dose if needed.</p>	
<p>ACUTE MANAGEMENT OF RESPIRATORY DEPRESSION If respiratory rate is less than 10 breaths/min or patient is unresponsive</p> <ol style="list-style-type: none"> 1. Stop PCA Pump 2. Administer naloxone (Narcan) as ordered until respiratory rate is greater than 10 breaths/min. 3. Notify Physician <p>naloxone <input type="checkbox"/> 0.1 mg, IVPush, inj, q2min, PRN bradypnea May give undiluted or dilute 0.4 mg into 9 mL of normal saline for a total volume of 10 mL to achieve a 0.04 mg/mL concentration (0.1 mg = 2.5 mL). Continued on next page....</p>	

TO Read Back

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Order Taken by Signature: _____ Date _____ Time _____

Physician Signature: _____ Date _____ Time _____



UMC Health System

Patient Label Here

ORTHO TOTAL KNEE REPLACEMENT POST-OP PLAN
- Phase: PCA MED PLAN

PHYSICIAN ORDERS

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ORDER ORDER DETAILS

Respiratory

Continuous Pulse Oximetry

TO Read Back

Scanned Powerchart

Scanned PharmScan

Order Taken by Signature: _____ Date _____ Time _____

Physician Signature: _____ Date _____ Time _____



ORTHO TOTAL KNEE REPLACEMENT POST-OP PLAN
- Phase: SLIDING SCALE INSULIN REGULAR PLAN

PHYSICIAN ORDERS

Place an "X" in the Orders column to designate orders of choice AND an "x" in the specific order detail box(es) where applicable.

ORDER	ORDER DETAILS										
Patient Care											
<p>POC Blood Sugar Check</p> <table border="0"> <tr> <td><input type="checkbox"/> Per Sliding Scale Insulin Frequency</td> <td><input type="checkbox"/> AC & HS</td> </tr> <tr> <td><input type="checkbox"/> AC & HS 3 days</td> <td><input type="checkbox"/> TID</td> </tr> <tr> <td><input type="checkbox"/> BID</td> <td><input type="checkbox"/> q12h</td> </tr> <tr> <td><input type="checkbox"/> q6h</td> <td><input type="checkbox"/> q6h 24 hr</td> </tr> <tr> <td><input type="checkbox"/> q4h</td> <td></td> </tr> </table>		<input type="checkbox"/> Per Sliding Scale Insulin Frequency	<input type="checkbox"/> AC & HS	<input type="checkbox"/> AC & HS 3 days	<input type="checkbox"/> TID	<input type="checkbox"/> BID	<input type="checkbox"/> q12h	<input type="checkbox"/> q6h	<input type="checkbox"/> q6h 24 hr	<input type="checkbox"/> q4h	
<input type="checkbox"/> Per Sliding Scale Insulin Frequency	<input type="checkbox"/> AC & HS										
<input type="checkbox"/> AC & HS 3 days	<input type="checkbox"/> TID										
<input type="checkbox"/> BID	<input type="checkbox"/> q12h										
<input type="checkbox"/> q6h	<input type="checkbox"/> q6h 24 hr										
<input type="checkbox"/> q4h											
<p>Sliding Scale Insulin Regular Guidelines</p> <input type="checkbox"/> Follow SSI Regular Reference Text											
Medications											
<p>Medication sentences are per dose. You will need to calculate a total daily dose if needed.</p>											
<p>insulin regular (Low Dose Insulin Regular Sliding Scale)</p> <p><input type="checkbox"/> 0-10 units, subcut, inj, AC & nightly, PRN glucose levels - see parameters Low Dose Insulin Regular Sliding Scale If blood glucose is less than 70 mg/dL and patient is symptomatic, initiate hypoglycemia guidelines and notify provider.</p> <p>70-150 mg/dL - 0 units 151-200 mg/dL - 1 units subcut 201-250 mg/dL - 2 units subcut 251-300 mg/dL - 3 units subcut 301-350 mg/dL - 4 units subcut 351-400 mg/dL - 6 units subcut</p> <p>If blood glucose is greater than 400 mg/dL, administer 10 units subcut, notify provider, and repeat POC blood sugar check in 2 hours. Continue to repeat 10 units subcut and POC blood sugar checks every 2 hours until blood glucose is less than 300 mg/dL. Once the blood sugar is less than 300 mg/dL, repeat POC blood sugar in 4 hours and then resume normal POC blood sugar check and insulin regular sliding scale.</p> <p><input type="checkbox"/> 0-10 units, subcut, inj, BID, PRN glucose levels - see parameters Low Dose Insulin Regular Sliding Scale If blood glucose is less than 70 mg/dL and patient is symptomatic, initiate hypoglycemia guidelines and notify provider.</p> <p>70-150 mg/dL - 0 units 151-200 mg/dL - 1 units subcut 201-250 mg/dL - 2 units subcut 251-300 mg/dL - 3 units subcut 301-350 mg/dL - 4 units subcut 351-400 mg/dL - 6 units subcut</p> <p>If blood glucose is greater than 400 mg/dL, administer 10 units subcut, notify provider, and repeat POC blood sugar check in 2 hours. Continue to repeat 10 units subcut and POC blood sugar checks every 2 hours until blood glucose is less than 300 mg/dL. Once the blood sugar is less than 300 mg/dL, repeat POC blood sugar in 4 hours and then resume normal POC blood sugar check and insulin regular sliding scale.</p> <p>Continued on next page....</p>											

TO Read Back

Scanned Powerchart

Scanned PharmScan

Order Taken by Signature: _____ Date _____ Time _____

Physician Signature: _____ Date _____ Time _____



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	<p><input type="checkbox"/> 0-10 units, subcut, inj, TID, PRN glucose levels - see parameters Low Dose Insulin Regular Sliding Scale If blood glucose is less than 70 mg/dL and patient is symptomatic, initiate hypoglycemia guidelines and notify provider.</p> <p>70-150 mg/dL - 0 units 151-200 mg/dL - 1 units subcut 201-250 mg/dL - 2 units subcut 251-300 mg/dL - 3 units subcut 301-350 mg/dL - 4 units subcut 351-400 mg/dL - 6 units subcut</p> <p>If blood glucose is greater than 400 mg/dL, administer 10 units subcut, notify provider, and repeat POC blood sugar check in 2 hours. Continue to repeat 10 units subcut and POC blood sugar checks every 2 hours until blood glucose is less than 300 mg/dL. Once the blood sugar is less than 300 mg/dL, repeat POC blood sugar in 4 hours and then resume normal POC blood sugar check and insulin regular sliding scale.</p> <p><input type="checkbox"/> 0-10 units, subcut, inj, q6h, PRN glucose levels - see parameters Low Dose Insulin Regular Sliding Scale If blood glucose is less than 70 mg/dL and patient is symptomatic, initiate hypoglycemia guidelines and notify provider.</p> <p>70-150 mg/dL - 0 units 151-200 mg/dL - 1 units subcut 201-250 mg/dL - 2 units subcut 251-300 mg/dL - 3 units subcut 301-350 mg/dL - 4 units subcut 351-400 mg/dL - 6 units subcut</p> <p>If blood glucose is greater than 400 mg/dL, administer 10 units subcut, notify provider, and repeat POC blood sugar check in 2 hours. Continue to repeat 10 units subcut and POC blood sugar checks every 2 hours until blood glucose is less than 300 mg/dL. Once the blood sugar is less than 300 mg/dL, repeat POC blood sugar in 4 hours and then resume normal POC blood sugar check and insulin regular sliding scale.</p> <p><input type="checkbox"/> 0-10 units, subcut, inj, q4h, PRN glucose levels - see parameters Low Dose Insulin Regular Sliding Scale If blood glucose is less than 70 mg/dL and patient is symptomatic, initiate hypoglycemia guidelines and notify provider.</p> <p>70-150 mg/dL - 0 units 151-200 mg/dL - 1 units subcut 201-250 mg/dL - 2 units subcut 251-300 mg/dL - 3 units subcut 301-350 mg/dL - 4 units subcut 351-400 mg/dL - 6 units subcut</p> <p>If blood glucose is greater than 400 mg/dL, administer 10 units subcut, notify provider, and repeat POC blood sugar check in 2 hours. Continue to repeat 10 units subcut and POC blood sugar checks every 2 hours until blood glucose is less than 300 mg/dL. Once the blood sugar is less than 300 mg/dL, repeat POC blood sugar in 4 hours and then resume normal POC blood sugar check and insulin regular sliding scale.</p> <p>Continued on next page....</p>

TO Read Back

Scanned Powerchart

Scanned PharmScan

Order Taken by Signature: _____ Date _____ Time _____

Physician Signature: _____ Date _____ Time _____



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ORDER	ORDER DETAILS
	<p>insulin regular (Moderate Dose Insulin Regular Sliding Scale)</p> <p><input type="checkbox"/> 0-12 units, subcut, inj, AC & nightly, PRN glucose levels - see parameters Moderate Dose Insulin Regular Sliding Scale If blood glucose is less than 70 mg/dL and patient is symptomatic, initiate hypoglycemia guidelines and notify provider.</p> <p>70-150 mg/dL - 0 units 151-200 mg/dL - 2 units subcut 201-250 mg/dL - 3 units subcut 251-300 mg/dL - 5 units subcut 301-350 mg/dL - 7 units subcut 351-400 mg/dL - 10 units subcut</p> <p>If blood glucose is greater than 400 mg/dL, administer 12 units subcut, notify provider, and repeat POC blood sugar check in 2 hours. Continue to repeat 10 units subcut and POC blood sugar checks every 2 hours until blood glucose is less than 300 mg/dL. Once blood sugar is less than 300 mg/dl, repeat POC blood sugar in 4 hours and then resume normal POC blood sugar checks and insutlin regular scale.</p> <p><input type="checkbox"/> 0-12 units, subcut, inj, BID, PRN glucose levels - see parameters Moderate Dose Insulin Regular Sliding Scale If blood glucose is less than 70 mg/dL and patient is symptomatic, initiate hypoglycemia guidelines and notify provider.</p> <p>70-150 mg/dL - 0 units 151-200 mg/dL - 2 units subcut 201-250 mg/dL - 3 units subcut 251-300 mg/dL - 5 units subcut 301-350 mg/dL - 7 units subcut 351-400 mg/dL - 10 units subcut</p> <p>If blood glucose is greater than 400 mg/dL, administer 12 units subcut, notify provider, and repeat POC blood sugar check in 2 hours. Continue to repeat 10 units subcut and POC blood sugar checks every 2 hours until blood glucose is less than 300 mg/dL. Once blood sugar is less than 300 mg/dl, repeat POC blood sugar in 4 hours and then resume normal POC blood sugar checks and insutlin regular scale.</p> <p><input type="checkbox"/> 0-12 units, subcut, inj, TID, PRN glucose levels - see parameters Moderate Dose Insulin Regular Sliding Scale If blood glucose is less than 70 mg/dL and patient is symptomatic, initiate hypoglycemia guidelines and notify provider.</p> <p>70-150 mg/dL - 0 units 151-200 mg/dL - 2 units subcut 201-250 mg/dL - 3 units subcut 251-300 mg/dL - 5 units subcut 301-350 mg/dL - 7 units subcut 351-400 mg/dL - 10 units subcut</p> <p>If blood glucose is greater than 400 mg/dL, administer 12 units subcut, notify provider, and repeat POC blood sugar check in 2 hours. Continue to repeat 10 units subcut and POC blood sugar checks every 2 hours until blood glucose is less than 300 mg/dL. Once blood sugar is less than 300 mg/dl, repeat POC blood sugar in 4 hours and then resume normal POC blood sugar checks and insutlin regular scale.</p> <p>Continued on next page....</p>

TO Read Back

Scanned Powerchart

Scanned PharmScan

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Place an "X" in the Orders column to designate orders of choice AND an "x" in the specific order detail box(es) where applicable.

ORDER	ORDER DETAILS
	<p><input type="checkbox"/> 0-12 units, subcut, inj, q6h, PRN glucose levels - see parameters Moderate Dose Insulin Regular Sliding Scale If blood glucose is less than 70 mg/dL and patient is symptomatic, initiate hypoglycemia guidelines and notify provider.</p> <p>70-150 mg/dL - 0 units 151-200 mg/dL - 2 units subcut 201-250 mg/dL - 3 units subcut 251-300 mg/dL - 5 units subcut 301-350 mg/dL - 7 units subcut 351-400 mg/dL - 10 units subcut</p> <p>If blood glucose is greater than 400 mg/dL, administer 12 units subcut, notify provider, and repeat POC blood sugar check in 2 hours. Continue to repeat 10 units subcut and POC blood sugar checks every 2 hours until blood glucose is less than 300 mg/dL. Once blood sugar is less than 300 mg/dl, repeat POC blood sugar in 4 hours and then resume normal POC blood sugar checks and insutlin regular scale.</p> <p><input type="checkbox"/> 0-12 units, subcut, inj, q4h, PRN glucose levels - see parameters Moderate Dose Insulin Regular Sliding Scale If blood glucose is less than 70 mg/dL and patient is symptomatic, initiate hypoglycemia guidelines and notify provider.</p> <p>70-150 mg/dL - 0 units 151-200 mg/dL - 2 units subcut 201-250 mg/dL - 3 units subcut 251-300 mg/dL - 5 units subcut 301-350 mg/dL - 7 units subcut 351-400 mg/dL - 10 units subcut</p> <p>If blood glucose is greater than 400 mg/dL, administer 12 units subcut, notify provider, and repeat POC blood sugar check in 2 hours. Continue to repeat 10 units subcut and POC blood sugar checks every 2 hours until blood glucose is less than 300 mg/dL. Once blood sugar is less than 300 mg/dl, repeat POC blood sugar in 4 hours and then resume normal POC blood sugar checks and insutlin regular scale.</p>
	<p>insulin regular (High Dose Insulin Regular Sliding Scale)</p> <p><input type="checkbox"/> 0-14 units, subcut, inj, AC & nightly, PRN glucose levels - see parameters High Dose Insulin Regular Sliding Scale If blood glucose is less than 70 mg/dL and patient is symptomatic, initiate hypoglycemia guidelines and notify provider.</p> <p>70-150 mg/dL - 0 units 151-200 mg/dL - 3 units subcut 201-250 mg/dL - 5 units subcut 251-300 mg/dL - 7 units subcut 301-350 mg/dL - 10 units subcut 351-400 mg/dL - 12 units subcut</p> <p>If blood glucose is greater than 400 mg/dL, administer 14 units subcut, notify provider, and repeat POC blood sugar check in 2 hours. Continue to repeat 10 units subcut and POC blood sugar checks every 2 hours until blood glucose is less than 300 mg/dL. Once blood sugar is less than 300 mg/dL, repeat POC blood sugar in 4 hours and then resume normal POC blood sugar check and insulin regular sliding scale.</p> <p>Continued on next page....</p>

TO Read Back

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Order Taken by Signature: _____ Date _____ Time _____

Physician Signature: _____ Date _____ Time _____



ORTHO TOTAL KNEE REPLACEMENT POST-OP PLAN
- Phase: SLIDING SCALE INSULIN REGULAR PLAN

PHYSICIAN ORDERS

Place an "X" in the Orders column to designate orders of choice AND an "x" in the specific order detail box(es) where applicable.

ORDER	ORDER DETAILS
	<p><input type="checkbox"/> 0-14 units, subcut, inj, BID, PRN glucose levels - see parameters High Dose Insulin Regular Sliding Scale If blood glucose is less than 70 mg/dL and patient is symptomatic, initiate hypoglycemia guidelines and notify provider.</p> <p>70-150 mg/dL - 0 units 151-200 mg/dL - 3 units subcut 201-250 mg/dL - 5 units subcut 251-300 mg/dL - 7 units subcut 301-350 mg/dL - 10 units subcut 351-400 mg/dL - 12 units subcut</p> <p>If blood glucose is greater than 400 mg/dL, administer 14 units subcut, notify provider, and repeat POC blood sugar check in 2 hours. Continue to repeat 10 units subcut and POC blood sugar checks every 2 hours until blood glucose is less than 300 mg/dL. Once blood sugar is less than 300 mg/dL, repeat POC blood sugar in 4 hours and then resume normal POC blood sugar check and insulin regular sliding scale.</p> <p><input type="checkbox"/> 0-14 units, subcut, inj, TID, PRN glucose levels - see parameters High Dose Insulin Regular Sliding Scale If blood glucose is less than 70 mg/dL and patient is symptomatic, initiate hypoglycemia guidelines and notify provider.</p> <p>70-150 mg/dL - 0 units 151-200 mg/dL - 3 units subcut 201-250 mg/dL - 5 units subcut 251-300 mg/dL - 7 units subcut 301-350 mg/dL - 10 units subcut 351-400 mg/dL - 12 units subcut</p> <p>If blood glucose is greater than 400 mg/dL, administer 14 units subcut, notify provider, and repeat POC blood sugar check in 2 hours. Continue to repeat 10 units subcut and POC blood sugar checks every 2 hours until blood glucose is less than 300 mg/dL. Once blood sugar is less than 300 mg/dL, repeat POC blood sugar in 4 hours and then resume normal POC blood sugar check and insulin regular sliding scale.</p> <p><input type="checkbox"/> 0-14 units, subcut, inj, q6h, PRN glucose levels - see parameters High Dose Insulin Regular Sliding Scale If blood glucose is less than 70 mg/dL and patient is symptomatic, initiate hypoglycemia guidelines and notify provider.</p> <p>70-150 mg/dL - 0 units 151-200 mg/dL - 3 units subcut 201-250 mg/dL - 5 units subcut 251-300 mg/dL - 7 units subcut 301-350 mg/dL - 10 units subcut 351-400 mg/dL - 12 units subcut</p> <p>If blood glucose is greater than 400 mg/dL, administer 14 units subcut, notify provider, and repeat POC blood sugar check in 2 hours. Continue to repeat 10 units subcut and POC blood sugar checks every 2 hours until blood glucose is less than 300 mg/dL. Once blood sugar is less than 300 mg/dL, repeat POC blood sugar in 4 hours and then resume normal POC blood sugar check and insulin regular sliding scale.</p> <p>Continued on next page....</p>

TO Read Back

Scanned Powerchart

Scanned PharmScan

Order Taken by Signature: _____ Date _____ Time _____

Physician Signature: _____ Date _____ Time _____



ORTHO TOTAL KNEE REPLACEMENT POST-OP PLAN
- Phase: SLIDING SCALE INSULIN REGULAR PLAN

PHYSICIAN ORDERS

Place an "X" in the Orders column to designate orders of choice AND an "x" in the specific order detail box(es) where applicable.

ORDER	ORDER DETAILS
	<input type="checkbox"/> 0-14 units, subcut, inj, q4h, PRN glucose levels - see parameters High Dose Insulin Regular Sliding Scale If blood glucose is less than 70 mg/dL and patient is symptomatic, initiate hypoglycemia guidelines and notify provider. 70-150 mg/dL - 0 units 151-200 mg/dL - 3 units subcut 201-250 mg/dL - 5 units subcut 251-300 mg/dL - 7 units subcut 301-350 mg/dL - 10 units subcut 351-400 mg/dL - 12 units subcut If blood glucose is greater than 400 mg/dL, administer 14 units subcut, notify provider, and repeat POC blood sugar check in 2 hours. Continue to repeat 10 units subcut and POC blood sugar checks every 2 hours until blood glucose is less than 300 mg/dL. Once blood sugar is less than 300 mg/dL, repeat POC blood sugar in 4 hours and then resume normal POC blood sugar check and insulin regular sliding scale.
	<p>insulin regular (Blank Insulin Sliding Scale)</p> <input type="checkbox"/> See Comments, subcut, inj, PRN glucose levels - see parameters If blood glucose is less than ____mg/dL , initiate hypoglycemia guidelines and notify provider. 70-150 mg/dL - ____ units 151-200 mg/dL - ____ units subcut 201-250 mg/dL - ____ units subcut 251-300 mg/dL - ____ units subcut 301-350 mg/dL - ____ units subcut 351-400 mg/dL - ____ units subcut If blood glucose is greater than 400 mg/dL, administer ____ units subcut, notify provider, and repeat POC blood sugar check in 2 hours. Continue to repeat ____ units subcut and POC blood sugar checks every 2 hours until blood glucose is less than 300 mg/dL. Once blood sugar is less than 300 mg/dL, repeat POC blood sugar in 4 hours and then resume normal POC blood sugar check and insulin regular sliding scale.
HYPOglycemia Guidelines	
	<p>HYPOglycemia Guidelines</p> <input type="checkbox"/> ***See Reference Text***
	<p>glucose</p> <input type="checkbox"/> 15 g, PO, gel, as needed, PRN glucose levels - see parameters If 6 ounces of juice is not an option, may use glucose gel if blood glucose is less than 70 mg/dL and patient is symptomatic and able to swallow. See hypoglycemia Guidelines. Continued on next page....

TO Read Back

Scanned Powerchart

Scanned PharmScan

Order Taken by Signature: _____ Date _____ Time _____

Physician Signature: _____ Date _____ Time _____



ORTHO TOTAL KNEE REPLACEMENT POST-OP PLAN
- Phase: SLIDING SCALE INSULIN REGULAR PLAN

PHYSICIAN ORDERS

Place an "X" in the Orders column to designate orders of choice AND an "x" in the specific order detail box(es) where applicable.

ORDER	ORDER DETAILS
	<p>glucose (D50) <input type="checkbox"/> 25 g, IVPush, syringe, as needed, PRN glucose levels - see parameters Use if blood glucose is less than 70 mg/dL and patient is symptomatic and cannot swallow OR if patient has altered mental status AND has IV access. See hypoglycemia guidelines.</p>
	<p>glucagon <input type="checkbox"/> 1 mg, IM, inj, as needed, PRN glucose levels - see parameters Use if blood glucose is less than 70 mg/dL and patient is symptomatic and cannot swallow OR if patient has altered mental status AND has NO IV access. See hypoglycemia guidelines.</p>

TO Read Back

Scanned Powerchart

Scanned PharmScan

Order Taken by Signature: _____ Date _____ Time _____

Physician Signature: _____ Date _____ Time _____



ORTHO TOTAL KNEE REPLACEMENT POST-OP PLAN
- Phase: VTE PROPHYLAXIS PLAN

PHYSICIAN ORDERS

Place an "X" in the Orders column to designate orders of choice AND an "x" in the specific order detail box(es) where applicable.

ORDER	ORDER DETAILS
Patient Care	
	VTE Guidelines <input type="checkbox"/> See Reference Text for Guidelines
	If VTE Pharmacologic Prophylaxis not given, choose the Contraindications for VTE below and complete reason contraindicated Contraindications VTE <input type="checkbox"/> Active/high risk for bleeding <input type="checkbox"/> Patient or caregiver refused <input type="checkbox"/> Anticipated procedure within 24 hours <input type="checkbox"/> Treatment not indicated <input type="checkbox"/> Other anticoagulant ordered <input type="checkbox"/> Intolerance to all VTE chemoprophylaxis
	Apply Elastic Stockings <input type="checkbox"/> Apply to: Bilateral Lower Extremities, Length: Knee High <input type="checkbox"/> Apply to: Right Lower Extremity (RLE), Length: Knee High <input type="checkbox"/> Apply to: Left Lower Extremity (LLE), Length: Thigh High <input type="checkbox"/> Apply to: Left Lower Extremity (LLE), Length: Knee High <input type="checkbox"/> Apply to: Bilateral Lower Extremities, Length: Thigh High <input type="checkbox"/> Apply to: Right Lower Extremity (RLE), Length: Thigh High
	Apply Sequential Compression Device <input type="checkbox"/> Apply to Bilateral Lower Extremities <input type="checkbox"/> Apply to Right Lower Extremity (RLE) <input type="checkbox"/> Apply to Left Lower Extremity (LLE)
Medications	
Medication sentences are per dose. You will need to calculate a total daily dose if needed.	
	VTE Prophylaxis: Trauma Dosing. For CrCl LESS than 30 mL/min, use heparin. Pharmacy will adjust enoxaparin dose based on body weight. enoxaparin (enoxaparin for weight 40 kg or GREATER) <input type="checkbox"/> 0.5 mg/kg, subcut, syringe, q12h, Prophylaxis - Trauma Dosing, Pharmacy to Adjust Dose per Renal Function Pharmacy to use adjusted body weight if actual weight is greater than 20% of Ideal Body Weight
	heparin <input type="checkbox"/> 5,000 units, subcut, inj, q8h, Prophylaxis - Trauma Dosing
	VTE Prophylaxis: Non-Trauma Dosing enoxaparin (enoxaparin for weight 40 kg or GREATER) <input type="checkbox"/> 40 mg, subcut, syringe, q24h, Prophylaxis - Non-Trauma Dosing, Pharmacy to Adjust Dose per Renal Function <input type="checkbox"/> 30 mg, subcut, syringe, q12h, Prophylaxis - Non-Trauma Dosing, Pharmacy to Adjust Dose per Renal Function <input type="checkbox"/> 30 mg, subcut, syringe, q24h, Prophylaxis - Non-Trauma Dosing, Pharmacy to Adjust Dose per Renal Function <input type="checkbox"/> 40 mg, subcut, syringe, q12h, Prophylaxis - Non-Trauma Dosing, for BMI Greater than or Equal to 40 kg/m2, Pharmacy to Adjust Dose per Renal Function
	heparin <input type="checkbox"/> 5,000 units, subcut, inj, q12h <input type="checkbox"/> 5,000 units, subcut, inj, q8h
	rivaroxaban <input type="checkbox"/> 10 mg, PO, tab, In PM
	warfarin <input type="checkbox"/> 5 mg, PO, tab, In PM
	aspirin <input type="checkbox"/> 81 mg, PO, tab chew, Daily <input type="checkbox"/> 325 mg, PO, tab, Daily
	Fondaparinux may only be used in adults 50 kg or GREATER. Prophylactic use is contraindicated in patients LESS than 50 kg or CrCl LESS than 30 mL/min

TO Read Back

Scanned Powerchart

Scanned PharmScan

Order Taken by Signature: _____ Date _____ Time _____

Physician Signature: _____ Date _____ Time _____



UMC Health System

Patient Label Here

ORTHO TOTAL KNEE REPLACEMENT POST-OP PLAN
- Phase: VTE PROPHYLAXIS PLAN

PHYSICIAN ORDERS

Place an "X" in the Orders column to designate orders of choice AND an "x" in the specific order detail box(es) where applicable.

ORDER	ORDER DETAILS
	fondaparinux <input type="checkbox"/> 2.5 mg, subcut, syringe, q24h Prophylactic use is contraindicated in patients LESS than 50 kg or CrCl LESS than 30 mL/min

TO Read Back

Scanned Powerchart

Scanned PharmScan

Order Taken by Signature: _____ Date _____ Time _____

Physician Signature: _____ Date _____ Time _____

