Liver Transplant PostOp OR to ICU [2093]

General

Common Present on Admission Diagnosis

[ ]	Acidosis	Post-op
[ ]	Acute Post-Hemorrhagic Anemia	Post-op
[ ]	Acute Renal Failure	Post-op
[ ]	Acute Respiratory Failure	Post-op
[ ]	Acute Thromboembolism of Deep Veins of Lower Extremities	Post-op
[ ]	Anemia	Post-op
[ ]	Bacteremia	Post-op
[ ]	Bipolar disorder, unspecified	Post-op
[ ]	Cardiac Arrest	Post-op
[ ]	Cardiac Dysrhythmia	Post-op
[ ]	Cardiogenic Shock	Post-op
[ ]	Decubitus Ulcer	Post-op
[ ]	Dementia in Conditions Classified Elsewhere	Post-op
[ ]	Disorder of Liver	Post-op
[ ]	Electrolyte and Fluid Disorder	Post-op
[ ]	Intestinal Infection due to Clostridium Difficile	Post-op
[ ]	Methicillin Resistant Staphylococcus Aureus Infection	Post-op
[ ]	Obstructive Chronic Bronchitis with Exacerbation	Post-op
[ ]	Other Alteration of Consciousness	Post-op
[ ]	Other and Unspecified Coagulation Defects	Post-op
[ ]	Other Pulmonary Embolism and Infarction	Post-op
[ ]	Phlebitis and Thrombophlebitis	Post-op
[ ]	Protein-calorie Malnutrition	Post-op
[ ]	Psychosis, unspecified psychosis type	Post-op
[ ]	Schizophrenia Disorder	Post-op
[ ]	Sepsis	Post-op
[ ]	Septic Shock	Post-op
[ ]	Septicemia	Post-op
[ ]	Type II or Unspecified Type Diabetes Mellitus with Mention of Complication, Not Stated as Uncontrolled	Post-op
[ ]	Urinary Tract Infection, Site Not Specified	Post-op

Elective Outpatient, Observation, or Admission (Single Response)

( )	Elective outpatient procedure: Discharge following routine recovery	Routine, Continuous, PACU & Post-op
( )	Outpatient observation services under general supervision	Admitting Physician: Patient Condition: Bed request comments: PACU & Post-op
( )	Outpatient in a bed - extended recovery	Admitting Physician: Bed request comments: PACU & Post-op
( )	Admit to Inpatient	Admitting Physician: Level of Care: Patient Condition: Bed request comments: Certification: I certify that based on my best clinical judgment and the patient's condition as documented in the HP and progress notes, I expect that the patient will need hospital services for two or more midnights. PACU & Post-op

Admission or Observation (Single Response)

Patient has active outpatient status order on file

( ) Admit to Inpatient	Admitting Physician: Level of Care: Patient Condition: Bed request comments: Certification: I certify that based on my best clinical judgment and the patient's condition as documented in the HP and progress notes, I expect that the patient will need hospital services for two or more midnights. PACU & Post-op
( ) Outpatient observation services under general supervision	Admitting Physician: Patient Condition: Bed request comments: PACU & Post-op
( ) Outpatient in a bed - extended recovery	Admitting Physician: Bed request comments: PACU & Post-op
( ) Transfer patient	Level of Care: Bed request comments: Scheduling/ADT
( ) Return to previous bed	Routine, Until discontinued, Starting S, Scheduling/ADT

Admission (Single Response)

Patient has active status order on file

( ) Admit to inpatient	Admitting Physician: Level of Care: Patient Condition: Bed request comments: Certification: I certify that based on my best clinical judgment and the patient's condition as documented in the HP and progress notes, I expect that the patient will need hospital services for two or more midnights. PACU & Post-op
( ) Transfer patient	Level of Care: Bed request comments: Scheduling/ADT
( ) Return to previous bed	Routine, Until discontinued, Starting S, Scheduling/ADT

Transfer (Single Response)

Patient has active inpatient status order on file

( ) Transfer patient	Level of Care: Bed request comments: Scheduling/ADT
( ) Return to previous bed	Routine, Until discontinued, Starting S, Scheduling/ADT

Code Status

[ ] Full Code	Code Status decision reached by: Post-op

[ ] DNR (Do Not Resuscitate) (Selection Required)

[ ] DNR (Do Not Resuscitate)	Does patient have decision-making capacity? Post-op
[ ] Consult to Palliative Care Service	Priority: Reason for Consult? Order? Name of referring provider: Enter call back number:
[ ] Consult to Social Work	Reason for Consult: Post-op

[ ] Modified Code	Does patient have decision-making capacity? Modified Code restrictions: Post-op
[ ] Treatment Restrictions	Treatment Restriction decision reached by: Specify Treatment Restrictions: Post-op

Isolation

[ ] Airborne isolation status	
[ ] Airborne isolation status	Details
[ ] Mycobacterium tuberculosis by PCR - If you suspect Tuberculosis, please order this test for rapid diagnostics.	Once, Sputum, Post-op
[ ] Contact isolation status	Details
[ ] Droplet isolation status	Details
[ ] Enteric isolation status	Details

Precautions

[ ] Aspiration precautions	Post-op
[ ] Fall precautions	Increased observation level needed: Post-op
[ ] Latex precautions	Post-op
[ ] Seizure precautions	Increased observation level needed: Post-op

Nursing

Vitals

[X] Vital signs - T/P/R/BP	Routine, Per unit protocol, Starting S per ICU postanesthesia protocol then unit protocol

Activity

[ ] Activity as tolerated	Routine, Until discontinued, Starting S Specify: Activity as tolerated Post-op

Nursing

[X] Nursing communication	All orders to be cleared through Liver Attending or SICU Intensivist, Post-op
[ ] Hemodynamic Monitoring	Routine, Every 4 hours Measure: If pulmonary arterial catheter in place, continuous pressure measurements per protocol: CO, SVR, PCWP, Post-op
[X] Apply warming blanket	Routine, As needed as needed to raise body temperature to 98.6°F, Post-op
[X] Intake and output	Routine, Per unit protocol per ICU postanesthesia protocol then unit protocol, Post-op
[X] Weigh patient	Routine, Daily, Post-op
[X] Drain care	Routine, Every 6 hours Drain 1: Jackson Pratt Specify location: Abdomen Drainage/Suction: To Compression (Bulb) Suction Flush drain with: Drain 2: Drain 3: Drain 4: Every 6 hours and as needed. Label drains 1, 2, 3, etc., Post-op

[X] Drain care	Routine, Every shift Drain 1: T-Tube Specify location: Abdomen Drainage/Suction: To Gravity Flush drain with: Drain 2: Drain 3: Drain 4: record output every shift, Post-op
[ ] Drain care	Routine, Every 12 hours PRN Drain 1: Drain 2: Drain 3: Drain 4: All Drains: Post-op
[X] Wound care instructions (free text)	Routine, Every 12 hours Every 12 hours and as needed. Remove surgical dressing on the morning of post operative day 2
[ ] Nasogastric tube maintenance	Routine, Continuous Tube Care Orders: To Low Intermittent Suction to low intermittent wall suction, Post-op
[ ] Foley catheter care	Routine, Until discontinued, Starting S Orders: Maintain,to gravity to straight drainage with standard Foley care, Post-op
[X] Head of bed 30 degrees	Routine, Until discontinued, Starting S Head of bed: 30 degrees Post-op
[ ] Patient position: elevate LUE	Routine, Until discontinued, Starting S Position: Additional instructions: elevate extremity Extremity: LUE If bypass used, elevate for 24 hours. No blood pressure cuff on left upper extremity., Post-op

Notify

[X] Physician communication order	STAT, Once For 1 Occurrences Transplant Liver Surgery Service upon patient arrival to DSICU
[X] Physician communication order	STAT, Once For 1 Occurrences Transplant Hepatology Service upon patient arrival to DSICU
[X] Notify Liver team for vitals:	Routine, Until discontinued, Starting S Temperature greater than: 100.5 Temperature less than: Systolic BP greater than: 160 Systolic BP less than: 90 Diastolic BP greater than: Diastolic BP less than: MAP less than: Heart rate greater than (BPM): 110 Heart rate less than (BPM): 60 Respiratory rate greater than: Respiratory rate less than: SpO2 less than:

Diet

[X] NPO	Diet effective now, Starting S NPO: Except meds Pre-Operative fasting options: Give only specifically ordered medications, Post-op
[ ] Patient may have tube feeding	Routine, Until discontinued, Starting S Initiate, Post-op

IV Fluids

Peripheral IV Access

[X] Initiate and maintain IV	
[X] Insert peripheral IV	Routine, Once
[X] sodium chloride 0.9 % flush	10 mL, intravenous, every 12 hours scheduled
[X] sodium chloride 0.9 % flush	10 mL, intravenous, PRN, line care

IV Fluids (Single Response)

( ) dextrose 5%-0.45% sodium chloride infusion	75 mL/hr, intravenous, continuous, Post-op
( ) sodium chloride 0.45 % infusion	75 mL/hr, intravenous, continuous, Post-op
( ) sodium chloride 0.9 % infusion	75 mL/hr, intravenous, continuous, Post-op

IV Fluids - Select ONLY for liver-kidney recipients (Single Response)

( ) sodium chloride 0.45 % infusion	75 mL/hr, intravenous, continuous, Post-op Replace urine output with continuous IV 0.45% sodium chloride mL per mL. Replacement fluids not to exceed a maximum of 250 mL per hour and a minimum of 75 mL per hour.
( ) sodium chloride 0.45 % 1,000 mL with sodium bicarbonate 75 mEq/L infusion	75 mL/hr, intravenous, continuous, Post-op Replace urine output with continuous IV 0.45% sodium chloride with 75 mEq sodium bicarbonate mL per mL. Replacement fluids not to exceed a maximum of 250 mL per hour and a minimum of 75 mL per hour

Medications

Hepatitis B Prophylaxis - Select ONLY for hepatitis B virus positive recipients (HBsAg+)

[ ] hepatitis B immune globulin (HEPAGAM B) + premeds	**"And" Linked Panel**
[ ] diphenhydrAMINE (BENADRYL) tablet	25 mg, oral, every 24 hours, For 6 Doses, Post-op To be given 60 minutes prior to hepatitis B immune globulin (HEPAGAM B).
[ ] acetaminophen (TYLENOL) tablet	650 mg, oral, every 24 hours, For 6 Doses, Post-op To be given 60 minutes prior to hepatitis B immune globulin (HEPAGAM B).
[ ] hepatitis B immune globulin (HEPAGAM B) in sodium chloride 0.9 % 250 mL IVPB	10,000 Units, intravenous, for 3 Hours, every 24 hours, Starting H+60 Minutes, For 6 Doses, Post-op
[ ] entacavir (BARACLUDE) or tenofovir (VIREAD) tablet doses (Single Response)	
( ) entecavir (BARACLUDE) tablet - POD #7	0.5 mg, oral, daily, Starting S+7, Post-op Start dose on POD#7. Type of Therapy: New Anti-Infective Order Reason for Therapy: Surgical Prophylaxis
( ) tenofovir disoproxil fumarate (VIREAD) tablet - POD #7	300 mg, oral, daily, Starting S+7, Post-op Start dose on POD#7. Type of Therapy: New Anti-Infective Order Reason for Therapy: Surgical Prophylaxis

Steroids POD #1 (Single Response)

( ) methylprednisolone IV (Solu-MEDROL) and prednisone oral taper	**"Followed by" Linked Panel**
[ ] methylPREDNISolone sodium succinate (Solu-MEDROL) injection	200 mg, intravenous, daily at 0600, S+1 at 6:00 AM, For 1 Doses, Post-op On POD #1
[ ] methylPREDNISolone sodium succinate (Solu-MEDROL) injection	160 mg, intravenous, daily at 0600, Starting S+2, For 1 Doses, Post-op On POD #2
[ ] methylPREDNISolone sodium succinate (Solu-MEDROL) injection	120 mg, intravenous, daily at 0600, Starting S+3, For 1 Doses, Post-op On POD #3
[ ] methylPREDNISolone sodium succinate (Solu-MEDROL) injection	80 mg, intravenous, daily at 0600, Starting S+4, For 1 Doses, Post-op On POD #4

[ ]	methylPREDNISolone sodium succinate (Solu-MEDROL) injection	40 mg, intravenous, daily at 0600, Starting S+5, For 1 Doses, Post-op On POD #5
[ ]	predniSONE (DELTASONE) tablet	20 mg, oral, daily, S+6 at 9:00 AM, Post-op On POD #6

Immunosuppressants

[ ] Immunosuppression Therapy: Option 1 - tacrolimus NG Tube and cyclosporine NG Tube (Single Response)

( )	tacrolimus (PROGRAF) 0.5 mg/ml oral suspension	Nasogastric, 2 times daily at 0600, 1800 (TIME CRITICAL), Post-op Clamp Nasogastric tube times 1 hour. To be switched to oral when NG tube removed.
( )	cycloSPORINE (NEORAL) solution	Nasogastric, 2 times daily at 0600, 1800, Post-op Clamp Nasogastric tube times 1 hour. To be switched to oral when NG tube removed.

[ ] Immunosuppression Therapy: Option 2 - mycophenolate (CELLCEPT) NG Oral Solution (Single Response)

( )	mycophenolate (CELLCEPT) suspension	500 mg, Nasogastric, 2 times daily at 0600, 1800 To be switched to oral when NG tube removed.
( )	mycophenolate (CELLCEPT) suspension	1,000 mg, Nasogastric, 2 times daily at 0600, 1800 To be switched to oral when NG tube removed.

Anti-Viral Prophylaxis (Single Response)

( ) ganciclovir (CYTOGENE) Options (Single Response)

( )	For CrCL GREATER than 50 mL/min - ganciclovir (CYTOVENE) IVPB	5 mg/kg, intravenous, nightly, Post-op Type of Therapy: New Anti-Infective Order Reason for Therapy: Surgical Prophylaxis
( )	For CrCL between 30 - 50 mL/min - ganciclovir (CYTOVENE) IVPB	2.5 mg/kg, intravenous, nightly, Post-op Type of Therapy: New Anti-Infective Order Reason for Therapy: Surgical Prophylaxis
( )	For CrCL between 15 - 30 mL/min - ganciclovir (CYTOVENE) IVPB	0.625 mg/kg, intravenous, nightly, Post-op Type of Therapy: New Anti-Infective Order Reason for Therapy: Surgical Prophylaxis
( )	For CrCL LESS than 15 mL/min or HD - ganciclovir (CYTOVENE) IVPB	0.625 mg/kg, intravenous, every 48 hours, Post-op Type of Therapy: New Anti-Infective Order Reason for Therapy: Surgical Prophylaxis
( )	For CRRT - ganciclovir (CYTOVENE) IVPB	2.5 mg/kg, intravenous, nightly, Post-op Type of Therapy: New Anti-Infective Order Reason for Therapy: Surgical Prophylaxis

( )	valGANciclovir (VALCYTE) 50 mg/mL oral solution - Start POD #1	450 mg, oral, daily, Starting S+1, Post-op Reason for Therapy:

Pneumocystis Prophylaxis (Single Response)

( )	sulfamethoxazole-trimethoprim (BACTRIM) 200-40 mg/5 mL suspension	20 mL, Nasogastric, 3 times weekly, S+3 at 9:00 AM, Post-op Type of Therapy: New Anti-Infective Order Reason for Therapy: Surgical Prophylaxis
( )	If Sulfa Allergic: pentamidine nebulizer solution and albuterol nebulizer solution	**"And" Linked Panel**
[ ]	albuterol (PROVENTIL) nebulizer solution	2.5 mg, nebulization, Respiratory Therapy - Daily, Starting S+3, For 1 Doses Give as premedication for pentamidine dose. Aerosol Delivery Device: Hand-Held Nebulizer
[ ]	pentamidine (PENTAM) 300 mg in water for injection, sterile (PF) 6 mL inhalation solution	300 mg, nebulization, Respiratory Therapy - Daily, Starting S+3, For 1 Doses Administer on POD #3

PostOp Antibiotic Prophylaxis - Select ONLY for patients NOT on antimicrobial therapy pre-transplant (Single Response)

( )	piperacillin-tazobactam (ZOSYN) IV	intravenous, Post-op Reason for Therapy:

( )	If Beta Lactam Allergic: clindamycin (CLEOCIN) IV plus aztreonam (AZACTAM) IV	**"And" Linked Panel**
[ ]	clindamycin (CLEOCIN) IV	600 mg, intravenous, for 30 Minutes, Post-op Reason for Therapy: Surgical Prophylaxis
[ ]	aztreonam (AZACTAM) IV	intravenous, Post-op Reason for Therapy: Surgical Prophylaxis
( )	If Beta Lactam Allergic: levofloxacin (LEVAQUIN) IV	**"And" Linked Panel**
[ ]	levofloxacin (LEVAQUIN) IV solution	500 mg, intravenous, Post-op Reason for Therapy: Surgical Prophylaxis

Anti-Fungal Prophylaxis (Single Response)

Select one medication based on the following criteria:

If patient has Lab MELD LESS THAN or EQUAL to 21 select nystatin (MYCOSTATIN).
If patient is in hospital GREATER THAN 48 hours or Lab MELD GREATER THAN 21 select fluconazole (DIFLUCAN).
If patient is in ICU or Lab MELD GREATER THAN or EQUAL to 30 select voriconazole (VFEND).

( )	nystatin (MYCOSTATIN) 100,000 unit/mL suspension	5 mL, oral, 4 times daily, Post-op Swish and swallow. Reason of Therapy:
( )	fluconazole (DIFLUCAN) tablet	400 mg, oral, daily, Post-op Reason for Therapy:
( )	voriconazole (VFEND) tablet	200 mg, oral, every 12 hours, Post-op Reason for Therapy:

Stress Ulcer Prophylaxis (Single Response)

( )	pantoprazole (PROTONIX) 40 mg in sodium chloride 0.9 % 10 mL injection	40 mg, intravenous, daily, Post-op If nasogastric tube is placed. Indication(s) for Proton Pump Inhibitor (PPI) Therapy:
( )	omeprazole (PRILOSEC) suspension	20 mg, oral, daily, Post-op Indication(s) for Proton Pump Inhibitor (PPI) Therapy:

Other Medications

[ ]	ursodiol (ACTIGALL) 60 mg/ml oral suspension	300 mg, Nasogastric, 2 times daily, Post-op
[ ]	aspirin chewable tablet	81 mg, oral, daily, Post-op
[ ]	aspirin tablet	325 mg, oral, daily, Post-op
[X]	bacitracin ointment	Topical, daily, Post-op Apply to ALL Stapled Wounds

PCA Medications - HMH, HMWB, HMSJ, HMTW Only (Single Response)

( )	hydromorPHONE PCA (DILAUDID) 15 mg/30 mL	
[ ]	hydromorPHONE (DILAUDID) 15 mg/30 mL PCA	Loading Dose (optional): Not Ordered PCA Dose: 0.2 mg Lockout: Not Ordered Continuous Dose: 0 mg/hr MAX (Four hour dose limit): 3 mg intravenous, continuous, Post-op Management of breakthrough pain. Administer only if respiratory rate 12 per minute or more and POSS level of 2 or less. If more than 2 bolus doses in 12 hours or if pain persists after increase in demand dose, call ordering prescriber. For breakthrough pain in patients ages 19-59 years old with normal renal function, may bolus {Bolus Dose:26662::"0.2"} mg every {Bolus Frequency:26663::"3"} hours as needed. If pain persists, may increase PCA demand dose by {PCA Dose:26664::"0.1"} mg ONCE. Adjust doses for age, renal function or other factors. Turn Off PCA Continuous Dose (Basal Rate) On Date: Turn Off PCA Continuous Dose (Basal Rate) At Time:

[ ] Vital signs - T/P/R/BP	Routine, Per unit protocol - Initially and every 30 minutes for 1 hour after PCA started, bolus administration or dose change; then - Every hour x 2 starting second hour after PCA started, bolus administered or dose change; then - Every 4 hours until PCA therapy is discontinued. - Immediately following PCA administration tubing change, Post-op
[ ] Richmond agitation sedation scale	Routine, Once Hold infusion daily at: Target RASS: BIS Monitoring (Target BIS: 40-60): 60 minutes after administration of pain medication AND every 4 hours. Assess and document side effects of at least every 4 hours for duration of therapy and when patient complains of pain and/or side effects., Post-op
[ ] Notify Physician (Specify)	Routine, Until discontinued, Starting S, - PCA pump infusion discontinued for any reason - Inadequate analgesia - Prior to administration of any other narcotics, antiemetics, or sedatives other than those ordered by the prescriber responsible for IV PCA therapy - PCA pump discontinued by any service other than the prescriber responsible for IV PCA therapy, Post-op
[ ] Stop the PCA pump and call ordering physician and/or CERT team for any of the following:	Routine, Until discontinued, Starting S, - Respiratory rate 10 per minute or less - Severe and/or recent confusion or disorientation - POSS sedation level 4: Somnolent and difficult to arouse - Sustained hypotension (SBP less than 90) - Excessive nausea or vomiting - Urinary retention, Post-op
[ ] naloxone (NARCAN) 0.4 mg/mL injection 0.2 mg	0.2 mg, intravenous, once PRN, respiratory depression, as needed for respiratory rate 8 per minute or less OR patient somnolent and difficult to arouse (POSS GREATER than 3)., Post-op Repeat Naloxone 0.2 mg once in 2 minutes if necessary (MAXIMUM 0.4 mg). If naloxone is needed, please call the ordering physician and/or CERT team. Monitor vital signs (pulse oximetry, P/R/BP) every 15 minutes for 3 times.

( ) fentaNYL PCA (SUBLIMAZE) 1500 mcg/30 mL

[ ] fentaNYL (SUBLIMAZE) 1500 mcg/30 mL PCA	Loading Dose (optional): Not Ordered PCA Dose: 10 mcg Lockout (recommended 6-8 min): Not Ordered Continuous Dose: 0 mcg/hr MAX (Four hour dose limit): 150 mcg intravenous, continuous, Post-op **Due to fentaNYL 600 mcg/30 mL shortages, the new standard for all facilities will be fentaNYL 1500 mcg/30 mL. This concentration is 2.5 x more concentrated.** Management of breakthrough pain. Administer only if respiratory rate 12 per minute or more and POSS level of 2 or less. If more than 2 bolus doses in 12 hours or if pain persists after increase in demand dose, call ordering prescriber. For breakthrough pain in patient 19-59 years old, may bolus {Bolus Dose:26656::"25"} mcg every {Bolus Frequency:26655::"2"} hours as needed. If pain persists, may increase PCA demand dose by {PCA Dose:26654::"10"} mcg ONCE. Adjust doses for age, renal function or other factors. Turn Off PCA Continuous Dose (Basal Rate) On Date: Turn Off PCA Continuous Dose (Basal Rate) At Time:
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[ ] Richmond agitation sedation scale	Routine, Once Hold infusion daily at: Target RASS: BIS Monitoring (Target BIS: 40-60): 60 minutes after administration of pain medication AND every 4 hours. Assess and document side effects of at least every 4 hours for duration of therapy and when patient complains of pain and/or side effects., Post-op
[ ] Notify Physician (Specify)	Routine, Until discontinued, Starting S, - PCA pump infusion discontinued for any reason - Inadequate analgesia - Prior to administration of any other narcotics, antiemetics, or sedatives other than those ordered by the prescriber responsible for IV PCA therapy - PCA pump discontinued by any service other than the prescriber responsible for IV PCA therapy, Post-op
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[ ] naloxone (NARCAN) 0.4 mg/mL injection 0.2 mg	0.2 mg, intravenous, once PRN, respiratory depression, as needed for respiratory rate 8 per minute or less OR patient somnolent and difficult to arouse (POSS GREATER than 3)., Post-op Repeat Naloxone 0.2 mg once in 2 minutes if necessary (MAXIMUM 0.4 mg). If naloxone is needed, please call the ordering physician and/or CERT team. Monitor vital signs (pulse oximetry, P/R/BP) every 15 minutes for 3 times.

PCA Medications - HMSL, HMW, HMSTC, HMSTJ Only (Single Response)

( ) hydromorPHONE PCA (DILAUDID) 15 mg/30 mL

[ ] hydromorPHONE (DILAUDID) 15 mg/30 mL PCA	Loading Dose (optional): Not Ordered PCA Dose: 0.2 mg Lockout: Not Ordered Continuous Dose: 0 mg/hr MAX (Four hour dose limit): 3 mg intravenous, continuous, Post-op Management of breakthrough pain. Administer only if respiratory rate 12 per minute or more and POSS level of 2 or less. If more than 2 bolus doses in 12 hours or if pain persists after increase in demand dose, call ordering prescriber. For breakthrough pain in patients ages 19-59 years old with normal renal function, may bolus {Bolus Dose:26662::"0.2"} mg every {Bolus Frequency:26663::"3"} hours as needed. If pain persists, may increase PCA demand dose by {PCA Dose:26664::"0.1"} mg ONCE. Adjust doses for age, renal function or other factors. Turn Off PCA Continuous Dose (Basal Rate) On Date: Turn Off PCA Continuous Dose (Basal Rate) At Time:
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( ) fentaNYL PCA (SUBLIMAZE) 600 mcg/30 mL

[ ] fentaNYL (SUBLIMAZE) 600 mcg/30 mL PCA	Nurse Loading Dose: Not Ordered PCA Dose: 10 mcg Lockout Interval: Not Ordered Continuous Dose: 0 mcg/hr MAX (Four hour dose limit): 150 mcg intravenous, continuous, Post-op Management of breakthrough pain. Administer only if respiratory rate 12 per minute or more and POSS level of 2 or less. If more than 2 bolus doses in 12 hours or if pain persists after increase in demand dose, call ordering prescriber. For breakthrough pain in patient 19-59 years old, may bolus {Bolus Dose:26656::"25"} mcg every {Bolus Frequency:26655::"2"} hours as needed. If pain persists, may increase PCA demand dose by {PCA Dose:26654::"10"} mcg ONCE. Adjust doses for age, renal function or other factors. Turn Off PCA Continuous Dose (Basal Rate) On Date: Turn Off PCA Continuous Dose (Basal Rate) At Time:
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[ ]	naloxone (NARCAN) 0.4 mg/mL injection 0.2 mg	0.2 mg, intravenous, once PRN, respiratory depression, as needed for respiratory rate 8 per minute or less OR patient somnolent and difficult to arouse (POSS GREATER than 3)., Post-op Repeat Naloxone 0.2 mg once in 2 minutes if necessary (MAXIMUM 0.4 mg). If naloxone is needed, please call the ordering physician and/or CERT team. Monitor vital signs (pulse oximetry, P/R/BP) every 15 minutes for 3 times.

PRN Oral for Moderate Pain (Pain Score 4-6): For Patients LESS than 65 years old (Single Response)
(adjust dose for renal/liver function and age)

( ) acetaminophen-codeine (TYLENOL #3) tablet OR elixir **"Or" Linked Panel**

Maximum of 3 grams of acetaminophen per day from all sources. (Cirrhosis patients maximum: 2 grams per day from all sources)

[ ]	acetaminophen-codeine (TYLENOL #3) 300-30 mg per tablet	1 tablet, oral, every 6 hours PRN, moderate pain (score 4-6), Post-op Maximum of 3 grams of acetaminophen per day from all sources. (Cirrhosis patients maximum: 2 grams per day from all sources). Give if patient is able to tolerate oral medication.
[ ]	acetaminophen-codeine 300 mg-30 mg /12.5 mL solution	12.5 mL, oral, every 6 hours PRN, moderate pain (score 4-6), Post-op Maximum of 3 grams of acetaminophen per day from all sources. (Cirrhosis patients maximum: 2 grams per day from all sources) Use if patient cannot swallow tablet.

( ) HYDROcodone-acetaminophen 5/325 (NORCO) tablet OR elixir **"Or" Linked Panel**

Maximum of 3 grams of acetaminophen per day from all sources. (Cirrhosis patients maximum: 2 grams per day from all sources)

[ ]	HYDROcodone-acetaminophen (NORCO) 5-325 mg per tablet	1 tablet, oral, every 6 hours PRN, moderate pain (score 4-6)
[ ]	HYDROcodone-acetaminophen (HYCET) 2.5-108.3 mg/5 mL solution	10 mL, oral, every 6 hours PRN, moderate pain (score 4-6)

( ) HYDROcodone-acetaminophen 7.5/325 (NORCO) tablet OR elixir **"Or" Linked Panel**

Maximum of 3 grams of acetaminophen per day from all sources. (Cirrhosis patients maximum: 2 grams per day from all sources)

[ ]	HYDROcodone-acetaminophen (NORCO) 7.5-325 mg per tablet	1 tablet, oral, every 6 hours PRN, moderate pain (score 4-6), Post-op Maximum of 3 grams of acetaminophen per day from all sources. (Cirrhosis patients maximum: 2 grams per day from all sources). Give if patient is able to tolerate oral medication.
[ ]	HYDROcodone-acetaminophen (HYCET) 7.5-325 mg/15 mL solution	15 mL, oral, every 6 hours PRN, moderate pain (score 4-6), Post-op Maximum of 3 grams of acetaminophen per day from all sources. (Cirrhosis patients maximum: 2 grams per day from all sources) Use if patient cannot swallow tablet.

( ) HYDROcodone-acetaminophen 10/325 (NORCO) tablet OR elixir **"Or" Linked Panel**

Maximum of 3 grams of acetaminophen per day from all sources. (Cirrhosis patients maximum: 2 grams per day from all sources)

[ ]	HYDROcodone-acetaminophen (NORCO 10-325) 10-325 mg per tablet	1 tablet, oral, every 6 hours PRN, moderate pain (score 4-6), Post-op Maximum of 3 grams of acetaminophen per day from all sources. (Cirrhosis patients maximum: 2 grams per day from all sources). Give if patient is able to tolerate oral medication.

[ ]	HYDROcodone-acetaminophen (HYCET) 7.5-325 mg/15 mL solution	20 mL, oral, every 6 hours PRN, moderate pain (score 4-6), Post-op Maximum of 3 grams of acetaminophen per day from all sources. (Cirrhosis patients maximum: 2 grams per day from all sources) Use if patient can not swallow tablet.

( )	traMADol (ULTRAM) tablet - For eGFR LESS than 30 mL/min, change frequency to every 12 hours)	50 mg, oral, every 6 hours PRN, moderate pain (score 4-6), Post-op (Max Daily dose not to exceed 200 mg/day)

PRN Oral for Moderate Pain (Pain Score 4-6): For Patients GREATER than 65 years old (Single Response)
(adjust dose for renal/liver function and age)

( )	acetaminophen-codeine (TYLENOL #3) tablet OR elixir	**"Or" Linked Panel**

Maximum of 3 grams of acetaminophen per day from all sources. (Cirrhosis patients maximum: 2 grams per day from all sources)

[ ]	acetaminophen-codeine (TYLENOL #3) 300-30 mg per tablet	1 tablet, oral, every 6 hours PRN, moderate pain (score 4-6), Post-op Maximum of 3 grams of acetaminophen per day from all sources. (Cirrhosis patients maximum: 2 grams per day from all sources). Give if patient is able to tolerate oral medication.
[ ]	acetaminophen-codeine 300 mg-30 mg /12.5 mL solution	12.5 mL, oral, every 6 hours PRN, moderate pain (score 4-6), Post-op Maximum of 3 grams of acetaminophen per day from all sources. (Cirrhosis patients maximum: 2 grams per day from all sources) Use if patient cannot swallow tablet.

( )	HYDROcodone-acetaminophen 5/325 (NORCO) tablet OR elixir	**"Or" Linked Panel**

Maximum of 3 grams of acetaminophen per day from all sources. (Cirrhosis patients maximum: 2 grams per day from all sources)

[ ]	HYDROcodone-acetaminophen (NORCO) 5-325 mg per tablet	1 tablet, oral, every 6 hours PRN, moderate pain (score 4-6)
[ ]	HYDROcodone-acetaminophen (HYCET) 2.5-108.3 mg/5 mL solution	10 mL, oral, every 6 hours PRN, moderate pain (score 4-6)

( )	traMADol (ULTRAM) tablet - For eGFR LESS than 30 mL/min, change frequency to every 12 hours)	25 mg, oral, every 6 hours PRN, moderate pain (score 4-6), Post-op (Max Daily dose not to exceed 200 mg/day)

PRN Oral for Severe Pain (Pain Score 7-10): For Patients LESS than 65 years old (Single Response)
(adjust dose for renal/liver function and age)

( )	HYDROmorphone (DILAUDID) tablet	2 mg, oral, every 6 hours PRN, severe pain (score 7-10), Post-op
( )	morphine (MSIR) tablet	15 mg, oral, every 6 hours PRN, severe pain (score 7-10), Post-op
( )	oxyCODONE (ROXICODONE) immediate release tablet	10 mg, oral, every 6 hours PRN, severe pain (score 7-10), Post-op

PRN Oral for Severe Pain (Pain Score 7-10): For Patients GREATER than 65 years old (Single Response)
(adjust dose for renal/liver function and age)

( )	HYDROcodone-acetaminophen (NORCO) 7.5-325 mg per tablet	1 tablet, oral, every 6 hours PRN, severe pain (score 7-10), Post-op
( )	HYDROcodone-acetaminophen (NORCO 10-325) 10-325 mg per tablet	1 tablet, oral, every 6 hours PRN, severe pain (score 7-10), Post-op
( )	HYDROmorphone (DILAUDID) tablet	2 mg, oral, every 6 hours PRN, severe pain (score 7-10), Post-op
( )	morphine (MSIR) tablet	15 mg, oral, every 6 hours PRN, severe pain (score 7-10), Post-op
( )	oxyCODONE (ROXICODONE) immediate release tablet	5 mg, oral, every 6 hours PRN, severe pain (score 7-10), Post-op

Antiemetics (Selection Required)

[X] ondansetron ODT (ZOFRAN-ODT) disintegrating tablet	4 mg, oral, every 8 hours PRN, nausea, vomiting, Post-op Give if patient is able to tolerate oral medication.
[X] ondansetron (ZOFRAN) 4 mg/2 mL injection	4 mg, intravenous, every 8 hours PRN, nausea, vomiting, Post-op Give if patient is UNable to tolerate oral medication OR if a faster onset of action is required.

Bowel Care

[ ] sennosides-docusate sodium (SENOKOT-S) 8.6-50 mg per tablet	2 tablet, oral, nightly PRN, constipation, Post-op
[ ] simethicone (MYLICON) chewable tablet	160 mg, oral, 4 times daily PRN, flatulence, Post-op
[ ] docusate sodium (COLACE) Liquid (NG) or Capsule (Oral) (Single Response)	
( ) docusate (COLACE) liquid	100 mg, Nasogastric, 2 times daily PRN, constipation, Post-op
( ) docusate sodium (COLACE) capsule	100 mg, oral, 2 times daily PRN, constipation, Post-op
[ ] bisacodyl (DULCOLAX) suppository	10 mg, rectal, daily PRN, constipation, Post-op

Itching: For Patients GREATER than 77 years old (Single Response)

( ) cetirizine (ZyrTEC) tablet	5 mg, oral, daily PRN, itching, Post-op

Itching: For Patients between 70-76 years old (Single Response)

( ) cetirizine (ZyrTEC) tablet	5 mg, oral, daily PRN, itching, Post-op

Itching: For Patients LESS than 70 years old (Single Response)

( ) diphenhydrAMINE (BENADRYL) tablet	25 mg, oral, every 6 hours PRN, itching, Post-op
( ) hydrOXYzine (ATARAX) tablet	10 mg, oral, every 6 hours PRN, itching, Post-op
( ) cetirizine (ZyrTEC) tablet	5 mg, oral, daily PRN, itching, Post-op
( ) fexofenadine (ALLEGRA) tablet - For eGFR LESS than 80 mL/min, reduce frequency to once daily as needed	60 mg, oral, 2 times daily PRN, itching, Post-op

VTE

DVT Risk and Prophylaxis Tool (Single Response) (Selection Required)

URL: "\appt1.pdf"

( ) Patient currently has an active order for therapeutic anticoagulant or VTE prophylaxis	Routine, Once No pharmacologic VTE prophylaxis because: patient is already on therapeutic anticoagulation for other indication. Therapy for the following: PACU & Post-op
( ) LOW Risk of DVT (Selection Required) Low Risk Definition Age less than 60 years and NO other VTE risk factors	
[ ] Low Risk (Single Response) (Selection Required)	
( ) Low risk of VTE	Routine, Once Low risk: Due to low risk, no VTE prophylaxis is needed. Will encourgae early ambulation PACU & Post-op
( ) MODERATE Risk of DVT - Surgical (Selection Required)	

Moderate Risk Definition
Pharmacologic prophylaxis must be addressed. Mechanical prophylaxis is optional unless pharmacologic is contraindicated.
One or more of the following medical conditions:
CHF, MI, lung disease, pneumonia, active inflammation, dehydration, varicose veins, cancer, sepsis, obesity, previous stroke, rheumatologic disease, sickle cell disease, leg swelling, ulcers, venous stasis and nephrotic syndrome
Age 60 and above
Central line
History of DVT or family history of VTE
Anticipated length of stay GREATER than 48 hours
Less than fully and independently ambulatory
Estrogen therapy
Moderate or major surgery (not for cancer)
Major surgery within 3 months of admission

[ ] Moderate Risk (Selection Required)	
[ ] Moderate risk of VTE	Routine, Once, PACU & Post-op
[ ] Moderate Risk Pharmacological Prophylaxis - Surgical Patient (Single Response) (Selection Required)	
( ) Contraindications exist for pharmacologic prophylaxis BUT order Sequential compression device	**"And" Linked Panel**
[ ] Contraindications exist for pharmacologic prophylaxis	Routine, Once No pharmacologic VTE prophylaxis due to the following contraindication(s): PACU & Post-op
[ ] Place/Maintain sequential compression device continuous	Routine, Continuous, PACU & Post-op
( ) Contraindications exist for pharmacologic prophylaxis AND mechanical prophylaxis	**"And" Linked Panel**
[ ] Contraindications exist for pharmacologic prophylaxis	Routine, Once No pharmacologic VTE prophylaxis due to the following contraindication(s): PACU & Post-op
[ ] Contraindications exist for mechanical prophylaxis	Routine, Once No mechanical VTE prophylaxis due to the following contraindication(s): PACU & Post-op
( ) enoxaparin (LOVENOX) injection (Single Response) (Selection Required)	
( ) enoxaparin (LOVENOX) syringe	40 mg, subcutaneous, daily at 0600, Starting S+1
( ) patients with CrCL LESS than 30 mL/min	30 mg, subcutaneous, daily at 0600, Starting S+1 For Patients with CrCL LESS than 30 mL/min
( ) patients weight between 100-139 kg AND CrCl GREATER than 30 mL/min	30 mg, subcutaneous, 2 times daily at 0600, 1800, Starting S+1 For Patients weight between 100-139 kg and CrCl GREATER than 30 mL/min
( ) patients weight 140 kg or GREATER AND CrCl GREATER than 30 mL/min	40 mg, subcutaneous, 2 times daily at 0600, 1800 (TIME CRITICAL), Starting S+1 For Patient weight of 140 kg or GREATER and CrCl GREATER than 30 mL/min
( ) fondaparinux (ARIXTRA) injection	2.5 mg, subcutaneous, daily, Starting S+1, PACU & Post-op If the patient does not have a history of or suspected case of Heparin-Induced Thrombocytopenia (HIT) do NOT order this medication. Contraindicated in patients LESS than 50kg, prior to surgery/invasive procedure, or CrCl LESS than 30 mL/min. This patient has a history of or suspected case of Heparin-Induced Thrombocytopenia (HIT):
( ) heparin (porcine) injection	5,000 Units, subcutaneous, every 8 hours, S+1 at 6:00 AM, PACU & Post-op
( ) heparin (porcine) injection (Recommended for patients with high risk of bleeding, e.g. weight < 50kg and age > 75yrs)	5,000 Units, subcutaneous, every 12 hours, S+1 at 6:00 AM, PACU & Post-op Recommended for patients with high risk of bleeding, e.g. weight LESS than 50kg and age GREATER than 75yrs.

( ) warfarin (COUMADIN) tablet	oral, daily at 1700, Starting S+1, PACU & Post-op Indication:
( ) Pharmacy consult to manage warfarin (COUMADIN)	STAT, Until discontinued, Starting S Indication:

( ) MODERATE Risk of DVT - Non-Surgical (Selection Required)

Moderate Risk Definition
Pharmacologic prophylaxis must be addressed. Mechanical prophylaxis is optional unless pharmacologic is contraindicated.
One or more of the following medical conditions:
CHF, MI, lung disease, pneumonia, active inflammation, dehydration, varicose veins, cancer, sepsis, obesity, previous stroke, rheumatologic disease, sickle cell disease, leg swelling, ulcers, venous stasis and nephrotic syndrome
Age 60 and above
Central line
History of DVT or family history of VTE
Anticipated length of stay GREATER than 48 hours
Less than fully and independently ambulatory
Estrogen therapy
Moderate or major surgery (not for cancer)
Major surgery within 3 months of admission

[ ] Moderate Risk (Selection Required)

[ ] Moderate risk of VTE	Routine, Once, PACU & Post-op

[ ] Moderate Risk Pharmacological Prophylaxis - Non-Surgical Patient (Single Response) (Selection Required)

( ) Contraindications exist for pharmacologic prophylaxis - Order Sequential compression device **"And" Linked Panel**

[ ] Contraindications exist for pharmacologic prophylaxis	Routine, Once No pharmacologic VTE prophylaxis due to the following contraindication(s): PACU & Post-op
[ ] Place/Maintain sequential compression device continuous	Routine, Continuous, PACU & Post-op

( ) Contraindications exist for pharmacologic prophylaxis AND mechanical prophylaxis **"And" Linked Panel**

[ ] Contraindications exist for pharmacologic prophylaxis	Routine, Once No pharmacologic VTE prophylaxis due to the following contraindication(s): PACU & Post-op
[ ] Contraindications exist for mechanical prophylaxis	Routine, Once No mechanical VTE prophylaxis due to the following contraindication(s): PACU & Post-op

( ) enoxaparin (LOVENOX) injection (Single Response) (Selection Required)

( ) enoxaparin (LOVENOX) syringe	40 mg, subcutaneous, daily at 1700, Starting S
( ) patients with CrCL LESS than 30 mL/min	30 mg, subcutaneous, daily at 1700, Starting S For Patients with CrCL LESS than 30 mL/min
( ) patients weight between 100-139 kg AND CrCl GREATER than 30 mL/min	30 mg, subcutaneous, 2 times daily, Starting S For Patients weight between 100-139 kg and CrCl GREATER than 30 mL/min
( ) patients weight 140 kg or GREATER AND CrCl GREATER than 30 mL/min	40 mg, subcutaneous, 2 times daily, Starting S For Patients weight 140 kg or GREATER and CrCl GREATER than 30 mL/min
( ) fondaparinux (ARIXTRA) injection	2.5 mg, subcutaneous, daily, PACU & Post-op If the patient does not have a history of or suspected case of Heparin-Induced Thrombocytopenia (HIT), do NOT order this medication. Contraindicated in patients LESS than 50kg, prior to surgery/invasive procedure, or CrCl LESS than 30 mL/min This patient has a history of or suspected case of Heparin-Induced Thrombocytopenia (HIT):

( ) heparin (porcine) injection	5,000 Units, subcutaneous, every 8 hours, PACU & Post-op
( ) heparin (porcine) injection (Recommended for patients with high risk of bleeding, e.g. weight < 50kg and age > 75yrs)	5,000 Units, subcutaneous, every 12 hours, PACU & Post-op Recommended for patients with high risk of bleeding, e.g. weight LESS than 50kg and age GREATER than 75yrs.
( ) warfarin (COUMADIN) tablet	oral, daily at 1700, PACU & Post-op Indication:
( ) Pharmacy consult to manage warfarin (COUMADIN)	STAT, Until discontinued, Starting S Indication:

( ) HIGH Risk of DVT - Surgical (Selection Required)

High Risk Definition
Both pharmacologic AND mechanical prophylaxis must be addressed.
One or more of the following medical conditions:
Thrombophilia (Factor V Leiden, prothrombin variant mutations, anticardiolipin antibody syndrome; antithrombin, protein C or protein S deficiency; hyperhomocysteinemia; myeloproliferative disorders)
Severe fracture of hip, pelvis or leg
Acute spinal cord injury with paresis
Multiple major traumas
Abdominal or pelvic surgery for CANCER
Acute ischemic stroke
History of PE

[ ] High Risk (Selection Required)

[ ] High risk of VTE	Routine, Once, PACU & Post-op

[ ] High Risk Pharmacological Prophylaxis - Surgical Patient (Single Response) (Selection Required)

( ) Contraindications exist for pharmacologic prophylaxis	Routine, Once No pharmacologic VTE prophylaxis due to the following contraindication(s): PACU & Post-op

( ) enoxaparin (LOVENOX) injection (Single Response) (Selection Required)

( ) enoxaparin (LOVENOX) syringe	40 mg, subcutaneous, daily at 0600, Starting S+1
( ) patients with CrCL LESS than 30 mL/min	30 mg, subcutaneous, daily at 0600, Starting S+1 For Patients with CrCL LESS than 30 mL/min
( ) patients weight between 100-139 kg AND CrCl GREATER than 30 mL/min	30 mg, subcutaneous, 2 times daily at 0600, 1800, Starting S+1 For Patients weight between 100-139 kg and CrCl GREATER than 30 mL/min
( ) patients weight 140 kg or GREATER AND CrCl GREATER than 30 mL/min	40 mg, subcutaneous, 2 times daily at 0600, 1800, Starting S+1 For Patients weight 140 kg or GREATER and CrCl GREATER than 30 mL/min

( ) fondaparinux (ARIXTRA) injection	2.5 mg, subcutaneous, daily, Starting S+1, PACU & Post-op If the patient does not have a history or suspected case of Heparin-Induced Thrombocytopenia (HIT) do NOT order this medication. Contraindicated in patients LESS than 50kg, prior to surgery/invasive procedure, or CrCl LESS than 30 mL/min. This patient has a history of or suspected case of Heparin-Induced Thrombocytopenia (HIT):
( ) heparin (porcine) injection	5,000 Units, subcutaneous, every 8 hours, S+1 at 6:00 AM, PACU & Post-op
( ) heparin (porcine) injection (Recommended for patients with high risk of bleeding, e.g. weight < 50kg and age > 75yrs)	5,000 Units, subcutaneous, every 12 hours, S+1 at 6:00 AM, PACU & Post-op Recommended for patients with high risk of bleeding, e.g. weight LESS than 50kg and age GREATER than 75yrs.
( ) warfarin (COUMADIN) tablet	oral, daily at 1700, Starting S+1, PACU & Post-op Indication:
( ) Pharmacy consult to manage warfarin (COUMADIN)	STAT, Until discontinued, Starting S Indication:

[ ] Mechanical Prophylaxis (Single Response) (Selection Required)

( ) Contraindications exist for mechanical prophylaxis	Routine, Once No mechanical VTE prophylaxis due to the following contraindication(s): PACU & Post-op
( ) Place/Maintain sequential compression device continuous	Routine, Continuous, PACU & Post-op

( ) HIGH Risk of DVT - Non-Surgical (Selection Required)

High Risk Definition
Both pharmacologic AND mechanical prophylaxis must be addressed.
One or more of the following medical conditions:
Thrombophilia (Factor V Leiden, prothrombin variant mutations, anticardiolipin antibody syndrome; antithrombin, protein C or protein S deficiency; hyperhomocysteinemia; myeloproliferative disorders)
Severe fracture of hip, pelvis or leg
Acute spinal cord injury with paresis
Multiple major traumas
Abdominal or pelvic surgery for CANCER
Acute ischemic stroke
History of PE

[ ] High Risk (Selection Required)

[ ] High risk of VTE	Routine, Once, PACU & Post-op

[ ] High Risk Pharmacological Prophylaxis - Non-Surgical Patient (Single Response) (Selection Required)

( ) Contraindications exist for pharmacologic prophylaxis	Routine, Once No pharmacologic VTE prophylaxis due to the following contraindication(s): PACU & Post-op

( ) enoxaparin (LOVENOX) injection (Single Response) (Selection Required)

( ) enoxaparin (LOVENOX) syringe	40 mg, subcutaneous, daily at 1700, Starting S
( ) patients with CrCL LESS than 30 mL/min	30 mg, subcutaneous, daily at 1700, Starting S For Patients with CrCL LESS than 30 mL/min
( ) patients weight between 100-139 kg AND CrCl GREATER than 30 mL/min	30 mg, subcutaneous, 2 times daily, Starting S For Patients weight between 100-139 kg and CrCl GREATER than 30 mL/min
( ) patients weight 140 kg or GREATER AND CrCl GREATER than 30 mL/min	40 mg, subcutaneous, 2 times daily, Starting S For Patients weight 140 kg or GREATER and CrCl GREATER than 30 mL/min
( ) fondaparinux (ARIXTRA) injection	2.5 mg, subcutaneous, daily If the patient does not have a history of or suspected case of Heparin-Induced Thrombocytopenia (HIT) do NOT order this medication. Contraindicated in patients LESS than 50kg, prior to surgery/invasive procedure, or CrCl LESS than 30 mL/min. This patient has a history of or suspected case of Heparin-Induced Thrombocytopenia (HIT):
( ) heparin (porcine) injection	5,000 Units, subcutaneous, every 8 hours
( ) heparin (porcine) injection (Recommended for patients with high risk of bleeding, e.g. weight < 50kg and age > 75yrs)	5,000 Units, subcutaneous, every 12 hours Recommended for patients with high risk of bleeding, e.g. weight LESS than 50kg and age GREATER than 75yrs.
( ) warfarin (COUMADIN) tablet	oral, daily at 1700 Indication:
( ) Pharmacy consult to manage warfarin (COUMADIN)	STAT, Until discontinued, Starting S Indication:

[ ] Mechanical Prophylaxis (Single Response) (Selection Required)

( ) Contraindications exist for mechanical prophylaxis	Routine, Once No mechanical VTE prophylaxis due to the following contraindication(s): PACU & Post-op
( ) Place/Maintain sequential compression device continuous	Routine, Continuous, PACU & Post-op

( ) HIGH Risk of DVT - Surgical (Hip/Knee) (Selection Required)

High Risk Definition
Both pharmacologic AND mechanical prophylaxis must be addressed.
One or more of the following medical conditions:
Thrombophilia (Factor V Leiden, prothrombin variant mutations, anticardiolipin antibody syndrome; antithrombin, protein C or protein S deficiency; hyperhomocysteinemia; myeloproliferative disorders)
Severe fracture of hip, pelvis or leg
Acute spinal cord injury with paresis
Multiple major traumas
Abdominal or pelvic surgery for CANCER
Acute ischemic stroke
History of PE

[ ] High Risk (Selection Required)	
[ ] High risk of VTE	Routine, Once, PACU & Post-op
[ ] High Risk Pharmacological Prophylaxis - Hip or Knee (Arthroplasty) Surgical Patient (Single Response) (Selection Required)	
( ) Contraindications exist for pharmacologic prophylaxis	Routine, Once No pharmacologic VTE prophylaxis due to the following contraindication(s):
( ) apixaban (ELIQUIS) tablet	2.5 mg, oral, every 12 hours, Starting S+1 Indications:
( ) aspirin chewable tablet	162 mg, oral, daily, Starting S+1
( ) aspirin (ECOTRIN) enteric coated tablet	162 mg, oral, daily, Starting S+1
( ) enoxaparin (LOVENOX) injection (Single Response) (Selection Required)	
( ) enoxaparin (LOVENOX) syringe	40 mg, subcutaneous, daily at 0600, Starting S+1
( ) enoxaparin (LOVENOX) syringe	30 mg, subcutaneous, 2 times daily at 0600, 1800 (TIME CRITICAL), Starting S+1
( ) enoxaparin (LOVENOX) syringe - For Patients with CrCL LESS than 30 mL/min	30 mg, subcutaneous, daily at 0600, Starting S+1 For Patients with CrCL LESS than 30 mL/min.
( ) enoxaparin (LOVENOX) syringe - For Patients weight between 100-139 kg and CrCl GREATER than 30 mL/min	30 mg, subcutaneous, 2 times daily at 0600, 1800 (TIME CRITICAL), Starting S+1 For Patients weight between 100-139 kg and CrCl GREATER than 30 mL/min.
( ) enoxaparin (LOVENOX) syringe - For Patients weight between 140 kg or GREATER and CrCl GREATER than 30 mL/min	40 mg, subcutaneous, 2 times daily at 0600, 1800 (TIME CRITICAL), Starting S+1 For Patients weight 140 kg or GREATER and CrCl GREATER than 30 mL/min
( ) fondaparinux (ARIXTRA) injection	2.5 mg, subcutaneous, daily, Starting S+1 If the patient does not have a history or suspected case of Heparin-Induced Thrombocytopenia (HIT) do NOT order this medication. Contraindicated in patients LESS than 50kg, prior to surgery/invasive procedure, or CrCl LESS than 30 mL/min This patient has a history of or suspected case of Heparin-Induced Thrombocytopenia (HIT):
( ) heparin (porcine) injection	5,000 Units, subcutaneous, every 8 hours, S+1 at 6:00 AM
( ) heparin (porcine) injection (Recommended for patients with high risk of bleeding, e.g. weight < 50kg and age > 75yrs)	5,000 Units, subcutaneous, every 12 hours, S+1 at 6:00 AM Recommended for patients with high risk of bleeding, e.g. weight LESS than 50kg and age GREATER than 75yrs.
( ) rivaroxaban (XARELTO) tablet for hip or knee arthroplasty planned during this admission	10 mg, oral, daily at 0600 (TIME CRITICAL), Starting S+1 To be Given on Post Op Day 1. Indications:
( ) warfarin (COUMADIN) tablet	oral, daily at 1700, Starting S+1 Indication:
( ) Pharmacy consult to manage warfarin (COUMADIN)	STAT, Until discontinued, Starting S Indication:
[ ] Mechanical Prophylaxis (Single Response) (Selection Required)	

( ) Contraindications exist for mechanical prophylaxis	Routine, Once No mechanical VTE prophylaxis due to the following contraindication(s): PACU & Post-op
( ) Place/Maintain sequential compression device continuous	Routine, Continuous, PACU & Post-op

DVT Risk and Prophylaxis Tool (Single Response)

URL: "\appt1.pdf"

( ) Patient currently has an active order for therapeutic anticoagulant or VTE prophylaxis	Routine, Once No pharmacologic VTE prophylaxis because: patient is already on therapeutic anticoagulation for other indication. Therapy for the following: PACU & Post-op

( ) LOW Risk of DVT (Selection Required)

Low Risk Definition
Age less than 60 years and NO other VTE risk factors

[ ] Low Risk (Single Response) (Selection Required)

( ) Low risk of VTE	Routine, Once Low risk: Due to low risk, no VTE prophylaxis is needed. Will encourgae early ambulation PACU & Post-op

( ) MODERATE Risk of DVT - Surgical (Selection Required)

Moderate Risk Definition
Pharmacologic prophylaxis must be addressed. Mechanical prophylaxis is optional unless pharmacologic is contraindicated.
One or more of the following medical conditions:
CHF, MI, lung disease, pneumonia, active inflammation, dehydration, varicose veins, cancer, sepsis, obesity, previous stroke, rheumatologic disease, sickle cell disease, leg swelling, ulcers, venous stasis and nephrotic syndrome
Age 60 and above
Central line
History of DVT or family history of VTE
Anticipated length of stay GREATER than 48 hours
Less than fully and independently ambulatory
Estrogen therapy
Moderate or major surgery (not for cancer)
Major surgery within 3 months of admission

[ ] Moderate Risk (Selection Required)

[ ] Moderate risk of VTE	Routine, Once, PACU & Post-op

[ ] Moderate Risk Pharmacological Prophylaxis - Surgical Patient (Single Response) (Selection Required)

( ) Contraindications exist for pharmacologic prophylaxis BUT order Sequential compression device **"And" Linked Panel**

[ ] Contraindications exist for pharmacologic prophylaxis	Routine, Once No pharmacologic VTE prophylaxis due to the following contraindication(s): PACU & Post-op
[ ] Place/Maintain sequential compression device continuous	Routine, Continuous, PACU & Post-op

( ) Contraindications exist for pharmacologic prophylaxis AND mechanical prophylaxis **"And" Linked Panel**

[ ] Contraindications exist for pharmacologic prophylaxis	Routine, Once No pharmacologic VTE prophylaxis due to the following contraindication(s): PACU & Post-op
[ ] Contraindications exist for mechanical prophylaxis	Routine, Once No mechanical VTE prophylaxis due to the following contraindication(s): PACU & Post-op

( )	enoxaparin (LOVENOX) injection (Single Response) (Selection Required)	
( )	enoxaparin (LOVENOX) syringe	40 mg, subcutaneous, daily at 0600, Starting S+1
( )	patients with CrCL LESS than 30 mL/min	30 mg, subcutaneous, daily at 0600, Starting S+1 For Patients with CrCL LESS than 30 mL/min
( )	patients weight between 100-139 kg AND CrCl GREATER than 30 mL/min	30 mg, subcutaneous, 2 times daily at 0600, 1800, Starting S+1 For Patients weight between 100-139 kg and CrCl GREATER than 30 mL/min
( )	patients weight 140 kg or GREATER AND CrCl GREATER than 30 mL/min	40 mg, subcutaneous, 2 times daily at 0600, 1800 (TIME CRITICAL), Starting S+1 For Patient weight of 140 kg or GREATER and CrCl GREATER than 30 mL/min
( )	fondaparinux (ARIXTRA) injection	2.5 mg, subcutaneous, daily, Starting S+1, PACU & Post-op If the patient does not have a history of or suspected case of Heparin-Induced Thrombocytopenia (HIT) do NOT order this medication. Contraindicated in patients LESS than 50kg, prior to surgery/invasive procedure, or CrCl LESS than 30 mL/min. This patient has a history of or suspected case of Heparin-Induced Thrombocytopenia (HIT):
( )	heparin (porcine) injection	5,000 Units, subcutaneous, every 8 hours, S+1 at 6:00 AM, PACU & Post-op
( )	heparin (porcine) injection (Recommended for patients with high risk of bleeding, e.g. weight < 50kg and age > 75yrs)	5,000 Units, subcutaneous, every 12 hours, S+1 at 6:00 AM, PACU & Post-op Recommended for patients with high risk of bleeding, e.g. weight LESS than 50kg and age GREATER than 75yrs.
( )	warfarin (COUMADIN) tablet	oral, daily at 1700, Starting S+1, PACU & Post-op Indication:
( )	Pharmacy consult to manage warfarin (COUMADIN)	STAT, Until discontinued, Starting S Indication:

( ) MODERATE Risk of DVT - Non-Surgical (Selection Required)

Moderate Risk Definition
Pharmacologic prophylaxis must be addressed. Mechanical prophylaxis is optional unless pharmacologic is contraindicated.
One or more of the following medical conditions:
CHF, MI, lung disease, pneumonia, active inflammation, dehydration, varicose veins, cancer, sepsis, obesity, previous stroke, rheumatologic disease, sickle cell disease, leg swelling, ulcers, venous stasis and nephrotic syndrome
Age 60 and above
Central line
History of DVT or family history of VTE
Anticipated length of stay GREATER than 48 hours
Less than fully and independently ambulatory
Estrogen therapy
Moderate or major surgery (not for cancer)
Major surgery within 3 months of admission

[ ]	Moderate Risk (Selection Required)	
[ ]	Moderate risk of VTE	Routine, Once, PACU & Post-op
[ ]	Moderate Risk Pharmacological Prophylaxis - Non-Surgical Patient (Single Response) (Selection Required)	
( )	Contraindications exist for pharmacologic prophylaxis - Order Sequential compression device	**"And" Linked Panel**
[ ]	Contraindications exist for pharmacologic prophylaxis	Routine, Once No pharmacologic VTE prophylaxis due to the following contraindication(s): PACU & Post-op
[ ]	Place/Maintain sequential compression device continuous	Routine, Continuous, PACU & Post-op
( )	Contraindications exist for pharmacologic prophylaxis AND mechanical prophylaxis	**"And" Linked Panel**

[ ] Contraindications exist for pharmacologic prophylaxis	Routine, Once No pharmacologic VTE prophylaxis due to the following contraindication(s): PACU & Post-op
[ ] Contraindications exist for mechanical prophylaxis	Routine, Once No mechanical VTE prophylaxis due to the following contraindication(s): PACU & Post-op

( ) enoxaparin (LOVENOX) injection (Single Response) (Selection Required)

( ) enoxaparin (LOVENOX) syringe	40 mg, subcutaneous, daily at 1700, Starting S
( ) patients with CrCL LESS than 30 mL/min	30 mg, subcutaneous, daily at 1700, Starting S For Patients with CrCL LESS than 30 mL/min
( ) patients weight between 100-139 kg AND CrCl GREATER than 30 mL/min	30 mg, subcutaneous, 2 times daily, Starting S For Patients weight between 100-139 kg and CrCl GREATER than 30 mL/min
( ) patients weight 140 kg or GREATER AND CrCl GREATER than 30 mL/min	40 mg, subcutaneous, 2 times daily, Starting S For Patients weight 140 kg or GREATER and CrCl GREATER than 30 mL/min
( ) fondaparinux (ARIXTRA) injection	2.5 mg, subcutaneous, daily, PACU & Post-op If the patient does not have a history of or suspected case of Heparin-Induced Thrombocytopenia (HIT), do NOT order this medication. Contraindicated in patients LESS than 50kg, prior to surgery/invasive procedure, or CrCl LESS than 30 mL/min This patient has a history of or suspected case of Heparin-Induced Thrombocytopenia (HIT):
( ) heparin (porcine) injection	5,000 Units, subcutaneous, every 8 hours, PACU & Post-op
( ) heparin (porcine) injection (Recommended for patients with high risk of bleeding, e.g. weight < 50kg and age > 75yrs)	5,000 Units, subcutaneous, every 12 hours, PACU & Post-op Recommended for patients with high risk of bleeding, e.g. weight LESS than 50kg and age GREATER than 75yrs.
( ) warfarin (COUMADIN) tablet	oral, daily at 1700, PACU & Post-op Indication:
( ) Pharmacy consult to manage warfarin (COUMADIN)	STAT, Until discontinued, Starting S Indication:

( ) HIGH Risk of DVT - Surgical (Selection Required)

High Risk Definition
Both pharmacologic AND mechanical prophylaxis must be addressed.
One or more of the following medical conditions:
Thrombophilia (Factor V Leiden, prothrombin variant mutations, anticardiolipin antibody syndrome; antithrombin, protein C or protein S deficiency; hyperhomocysteinemia; myeloproliferative disorders)
Severe fracture of hip, pelvis or leg
Acute spinal cord injury with paresis
Multiple major traumas
Abdominal or pelvic surgery for CANCER
Acute ischemic stroke
History of PE

[ ] High Risk (Selection Required)

[ ] High risk of VTE	Routine, Once, PACU & Post-op

[ ] High Risk Pharmacological Prophylaxis - Surgical Patient (Single Response) (Selection Required)

( ) Contraindications exist for pharmacologic prophylaxis	Routine, Once No pharmacologic VTE prophylaxis due to the following contraindication(s): PACU & Post-op

( ) enoxaparin (LOVENOX) injection (Single Response) (Selection Required)

( ) enoxaparin (LOVENOX) syringe	40 mg, subcutaneous, daily at 0600, Starting S+1
( ) patients with CrCL LESS than 30 mL/min	30 mg, subcutaneous, daily at 0600, Starting S+1 For Patients with CrCL LESS than 30 mL/min

( ) patients weight between 100-139 kg AND CrCl GREATER than 30 mL/min	30 mg, subcutaneous, 2 times daily at 0600, 1800, Starting S+1 For Patients weight between 100-139 kg and CrCl GREATER than 30 mL/min
( ) patients weight 140 kg or GREATER AND CrCl GREATER than 30 mL/min	40 mg, subcutaneous, 2 times daily at 0600, 1800, Starting S+1 For Patients weight 140 kg or GREATER and CrCl GREATER than 30 mL/min
( ) fondaparinux (ARIXTRA) injection	2.5 mg, subcutaneous, daily, Starting S+1, PACU & Post-op If the patient does not have a history or suspected case of Heparin-Induced Thrombocytopenia (HIT) do NOT order this medication. Contraindicated in patients LESS than 50kg, prior to surgery/invasive procedure, or CrCl LESS than 30 mL/min. This patient has a history of or suspected case of Heparin-Induced Thrombocytopenia (HIT):
( ) heparin (porcine) injection	5,000 Units, subcutaneous, every 8 hours, S+1 at 6:00 AM, PACU & Post-op
( ) heparin (porcine) injection (Recommended for patients with high risk of bleeding, e.g. weight < 50kg and age > 75yrs)	5,000 Units, subcutaneous, every 12 hours, S+1 at 6:00 AM, PACU & Post-op Recommended for patients with high risk of bleeding, e.g. weight LESS than 50kg and age GREATER than 75yrs.
( ) warfarin (COUMADIN) tablet	oral, daily at 1700, Starting S+1, PACU & Post-op Indication:
( ) Pharmacy consult to manage warfarin (COUMADIN)	STAT, Until discontinued, Starting S Indication:

[ ] Mechanical Prophylaxis (Single Response) (Selection Required)

( ) Contraindications exist for mechanical prophylaxis	Routine, Once No mechanical VTE prophylaxis due to the following contraindication(s): PACU & Post-op
( ) Place/Maintain sequential compression device continuous	Routine, Continuous, PACU & Post-op

( ) HIGH Risk of DVT - Non-Surgical (Selection Required)

High Risk Definition
Both pharmacologic AND mechanical prophylaxis must be addressed.
One or more of the following medical conditions:
Thrombophilia (Factor V Leiden, prothrombin variant mutations, anticardiolipin antibody syndrome; antithrombin, protein C or protein S deficiency; hyperhomocysteinemia; myeloproliferative disorders)
Severe fracture of hip, pelvis or leg
Acute spinal cord injury with paresis
Multiple major traumas
Abdominal or pelvic surgery for CANCER
Acute ischemic stroke
History of PE

[ ] High Risk (Selection Required)

[ ] High risk of VTE	Routine, Once, PACU & Post-op

[ ] High Risk Pharmacological Prophylaxis - Non-Surgical Patient (Single Response) (Selection Required)

( ) Contraindications exist for pharmacologic prophylaxis	Routine, Once No pharmacologic VTE prophylaxis due to the following contraindication(s): PACU & Post-op

( ) enoxaparin (LOVENOX) injection (Single Response) (Selection Required)

( ) enoxaparin (LOVENOX) syringe	40 mg, subcutaneous, daily at 1700, Starting S
( ) patients with CrCL LESS than 30 mL/min	30 mg, subcutaneous, daily at 1700, Starting S For Patients with CrCL LESS than 30 mL/min
( ) patients weight between 100-139 kg AND CrCl GREATER than 30 mL/min	30 mg, subcutaneous, 2 times daily, Starting S For Patients weight between 100-139 kg and CrCl GREATER than 30 mL/min

( ) patients weight 140 kg or GREATER AND CrCl GREATER than 30 mL/min	40 mg, subcutaneous, 2 times daily, Starting S For Patients weight 140 kg or GREATER and CrCl GREATER than 30 mL/min
( ) fondaparinux (ARIXTRA) injection	2.5 mg, subcutaneous, daily If the patient does not have a history of or suspected case of Heparin-Induced Thrombocytopenia (HIT) do NOT order this medication. Contraindicated in patients LESS than 50kg, prior to surgery/invasive procedure, or CrCl LESS than 30 mL/min. This patient has a history of or suspected case of Heparin-Induced Thrombocytopenia (HIT):
( ) heparin (porcine) injection	5,000 Units, subcutaneous, every 8 hours
( ) heparin (porcine) injection (Recommended for patients with high risk of bleeding, e.g. weight < 50kg and age > 75yrs)	5,000 Units, subcutaneous, every 12 hours Recommended for patients with high risk of bleeding, e.g. weight LESS than 50kg and age GREATER than 75yrs.
( ) warfarin (COUMADIN) tablet	oral, daily at 1700 Indication:
( ) Pharmacy consult to manage warfarin (COUMADIN)	STAT, Until discontinued, Starting S Indication:

[ ] Mechanical Prophylaxis (Single Response) (Selection Required)

( ) Contraindications exist for mechanical prophylaxis	Routine, Once No mechanical VTE prophylaxis due to the following contraindication(s): PACU & Post-op
( ) Place/Maintain sequential compression device continuous	Routine, Continuous, PACU & Post-op

( ) HIGH Risk of DVT - Surgical (Hip/Knee) (Selection Required)

High Risk Definition
Both pharmacologic AND mechanical prophylaxis must be addressed.
One or more of the following medical conditions:
Thrombophilia (Factor V Leiden, prothrombin variant mutations, anticardiolipin antibody syndrome; antithrombin, protein C or protein S deficiency; hyperhomocysteinemia; myeloproliferative disorders)
Severe fracture of hip, pelvis or leg
Acute spinal cord injury with paresis
Multiple major traumas
Abdominal or pelvic surgery for CANCER
Acute ischemic stroke
History of PE

[ ] High Risk (Selection Required)

[ ] High risk of VTE	Routine, Once, PACU & Post-op

[ ] High Risk Pharmacological Prophylaxis - Hip or Knee (Arthroplasty) Surgical Patient (Single Response) (Selection Required)

( ) Contraindications exist for pharmacologic prophylaxis	Routine, Once No pharmacologic VTE prophylaxis due to the following contraindication(s):
( ) apixaban (ELIQUIS) tablet	2.5 mg, oral, every 12 hours, Starting S+1 Indications:
( ) aspirin chewable tablet	162 mg, oral, daily, Starting S+1
( ) aspirin (ECOTRIN) enteric coated tablet	162 mg, oral, daily, Starting S+1

( ) enoxaparin (LOVENOX) injection (Single Response) (Selection Required)

( ) enoxaparin (LOVENOX) syringe	40 mg, subcutaneous, daily at 0600, Starting S+1
( ) enoxaparin (LOVENOX) syringe	30 mg, subcutaneous, 2 times daily at 0600, 1800 (TIME CRITICAL), Starting S+1
( ) enoxaparin (LOVENOX) syringe - For Patients with CrCL LESS than 30 mL/min	30 mg, subcutaneous, daily at 0600, Starting S+1 For Patients with CrCL LESS than 30 mL/min.

( ) enoxaparin (LOVENOX) syringe - For Patients weight between 100-139 kg and CrCl GREATER than 30 mL/min	30 mg, subcutaneous, 2 times daily at 0600, 1800 (TIME CRITICAL), Starting S+1 For Patients weight between 100-139 kg and CrCl GREATER than 30 mL/min.
( ) enoxaparin (LOVENOX) syringe - For Patients weight between 140 kg or GREATER and CrCl GREATER than 30 mL/min	40 mg, subcutaneous, 2 times daily at 0600, 1800 (TIME CRITICAL), Starting S+1 For Patients weight 140 kg or GREATER and CrCl GREATER than 30 mL/min
( ) fondaparinux (ARIXTRA) injection	2.5 mg, subcutaneous, daily, Starting S+1 If the patient does not have a history or suspected case of Heparin-Induced Thrombocytopenia (HIT) do NOT order this medication. Contraindicated in patients LESS than 50kg, prior to surgery/invasive procedure, or CrCl LESS than 30 mL/min This patient has a history of or suspected case of Heparin-Induced Thrombocytopenia (HIT):
( ) heparin (porcine) injection	5,000 Units, subcutaneous, every 8 hours, S+1 at 6:00 AM
( ) heparin (porcine) injection (Recommended for patients with high risk of bleeding, e.g. weight < 50kg and age > 75yrs)	5,000 Units, subcutaneous, every 12 hours, S+1 at 6:00 AM Recommended for patients with high risk of bleeding, e.g. weight LESS than 50kg and age GREATER than 75yrs.
( ) rivaroxaban (XARELTO) tablet for hip or knee arthroplasty planned during this admission	10 mg, oral, daily at 0600 (TIME CRITICAL), Starting S+1 To be Given on Post Op Day 1. Indications:
( ) warfarin (COUMADIN) tablet	oral, daily at 1700, Starting S+1 Indication:
( ) Pharmacy consult to manage warfarin (COUMADIN)	STAT, Until discontinued, Starting S Indication:
[ ] Mechanical Prophylaxis (Single Response) (Selection Required)	
( ) Contraindications exist for mechanical prophylaxis	Routine, Once No mechanical VTE prophylaxis due to the following contraindication(s): PACU & Post-op
( ) Place/Maintain sequential compression device continuous	Routine, Continuous, PACU & Post-op

Labs

Laboratory Every Monday x 3

[X] C-reactive protein	Every Monday For 3 Occurrences, Post-op
[X] Prealbumin level	Every Monday For 3 Occurrences, Post-op
[X] Cytomegalovirus by PCR	Every Monday For 3 Occurrences Specimen Source: Post-op

Laboratory Stat Upon Arrival

[X] Basic metabolic panel	Once, Post-op
[X] Hepatic function panel	Once, Post-op
[X] Magnesium level	Once, Post-op
[X] Phosphorus level	Once, Post-op
[X] Ionized calcium	Once, Post-op
[X] CBC with platelet and differential	Once, Post-op
[X] Prothrombin time with INR	Once, Post-op
[X] Partial thromboplastin time	Once, Post-op
[X] Arterial blood gas	Once, Post-op
[X] LDH	STAT For 1 Occurrences, Post-op
[X] Fibrinogen	STAT For 1 Occurrences, Post-op

Laboratory Daily AM x 3

[X] Basic metabolic panel	AM draw repeats For 3 Days, Post-op
[X] Hepatic function panel	AM draw repeats For 3 Days, Post-op
[X] Magnesium level	AM draw repeats For 3 Days, Post-op
[X] Phosphorus level	AM draw repeats For 3 Days, Post-op

[X] Ionized calcium	AM draw repeats For 3 Days, Post-op
[X] LDH	AM draw repeats For 3 Days, Post-op
[X] CBC with platelet and differential	AM draw repeats For 3 Days, Post-op
[X] Prothrombin time with INR	AM draw repeats For 3 Days, Post-op
[X] Partial thromboplastin time	AM draw repeats For 3 Days, Post-op
[X] Arterial blood gas	AM draw repeats For 3 Days While intubated, Post-op
[X] Fibrinogen	AM draw repeats For 3 Occurrences, Post-op

Laboratory Trough Level at 05:30 x 3

[ ] FK506 Tacrolimus level, random	AM draw repeats, Starting S+1 at 5:30 AM For 3 Days Trough level
[ ] Cyclosporine level, random	AM draw repeats, Starting S+1 at 5:30 AM For 3 Days Trough level

HLA Testing

[ ] HLA antibody screen - post transplant	Once, Post-op

Microbiology

[X] Urinalysis screen and microscopy, with reflex to culture	Conditional Frequency For 1 Occurrences Specimen Source: Urine Specimen Site: If temperature greater than 100.5 deg F, Post-op
[X] Sputum culture	Conditional Frequency For 1 Occurrences, Sputum, Not otherwise specified If temperature greater than 100.5 deg F, Post-op
[X] Blood culture x 2	**"And" Linked Panel**
[X] Blood Culture (Aerobic & Anaerobic)	Once, Blood Collect before antibiotics given. Blood cultures should be ordered x2, with each set drawn from a different peripheral site. If unable to draw both sets from a peripheral site, please call the lab for assistance; an IV line should NEVER be used., Post-op
[X] Blood Culture (Aerobic & Anaerobic)	Once, Blood Collect before antibiotics given. Blood cultures should be ordered x2, with each set drawn from a different peripheral site. If unable to draw both sets from a peripheral site, please call the lab for assistance; an IV line should NEVER be used., Post-op
[X] Cytomegalovirus by PCR	Conditional Frequency For 1 Occurrences Specimen Source: Plasma For temperature GREATER than 100.5 F, Post-op
[X] Epstein Barr Virus (EBV) by PCR	STAT For 1 Occurrences Specimen Source: Plasma Post-op
[X] IKNOW Viracor	Once PostOp Day 0, Post-op
[X] IKNOW Viracor	Once, Starting S+7 PostOp Day 7, Post-op

Blood Bank

[X] Nursing communication	STAT, Once For 1 Occurrences All blood products must be irradiated and leukocyte reduced.
[ ] Nursing communication	STAT, Once For 1 Occurrences If donor and recipient are negative, blood products must be CMV negative.

Cardiology

Cardiology POD#2

[X] ECG 12 lead	Routine, Once, Starting S+2 at 6:00 AM For 1 Occurrences Clinical Indications: Post-Op Surgery Interpreting Physician: AM, Post-op

Imaging

Diagnostics X-Ray

[X] Chest 1 Vw Portable	STAT, 1 time imaging For 1 Occurrences on arrival to unit; Notify surgeon to review Chest Xray to clear Hickman for use., Post-op
[X] XR Chest 1 Vw Portable	Routine, Daily imaging, Starting S+1 For 2 Days AM x 2, Post-op
[X] XR Chest 1 Vw Portable	STAT, Conditional Frequency For 1 If temperature is greater than 100.5 degrees Fahrenheit, Post-op
[ ] XR Abdomen 1 Vw Portable	Routine, 1 time imaging For 1

Other Studies

Respiratory

Respiratory Therapy

[X] Ventilator settings: Per SICU Intensivist Team	Routine, Once For 1 Occurrences, Post-op
[X] Oxygen therapy	Routine, Continuous Device: Nasal Cannula Rate in liters per minute: Rate in tenths of a liter per minute: O2 %: Titrate to keep O2 Sat Above: 90% Indications for O2 therapy: Post-op
[X] Incentive spirometry	Routine, Every hour Start when extubated, Post-op
[X] Encourage deep breathing and coughing	Routine, Every 2 hours Start when extubated, Post-op

Rehab

Consults

For Physician Consult orders use sidebar

Consults

[X] Consult to PT eval and treat	Special Instructions: Evaluate and treat for endurance and ambulation when patient awake and following commands Weight Bearing Status: Post-op, Evaluate and treat for endurance and ambulation when patient awake and following commands
[ ] Consult to Nutrition Services	Reason For Consult? Other (Specify) Specify: Nutritional Assessment Post-op, Registered Dietitian
[ ] Consult to Transplant Social Work	Reason for Consult? Transplant Psychosocial Evaluation Organ Transplant: Liver Post-op, Phone 7134415451

Additional Orders