

| | Orders Phase | | | | |
|--|--|--|--|--|--|
| | ets/Protocols/PowerPlans | | | | |
| ☑ | Initiate Powerplan Phase Phase: Liver and Kidney Transp Postop Phase, When to Initiate: | | | | |
| | Initiate Powerplan Phase | | | | |
| l iver a | Phase: Mechanically Ventilated Patients (Vent Bundle) Phase, When to Initiate:nd Kidney Transp Post Op Phase | | | | |
| | ntegorized | | | | |
| | | | | | |
| | Add To Problem List Problem: S/P kidney transplant | | | | |
| Add To Problem List Problem: S/P liver transplant | | | | | |
| | Add To Problem List | | | | |
| Vital Si | | | | | |
| $\overline{\mathbf{Q}}$ | Vital Signs | | | | |
| _ | q15minutes x 4, q30minutes x 2, then q1h | | | | |
| $\overline{\Box}$ | Pulmonary Capillary Wedge Pressure Monitoring q4h(std) | | | | |
| Activity | | | | | |
| | Bedrest | | | | |
| _ | Routine | | | | |
| Food/N | lutrition | | | | |
| ☑ | NPO | | | | |
| _ | Instructions: NPO except for medications | | | | |
| Patient | | | | | |
| | VTE Other SURGICAL Prophylaxis Plan(SUB)* | | | | |
| $\overline{\square}$ | | | | | |
| | Daily Weights gam | | | | |
| $\overline{\mathbf{v}}$ | • | | | | |
| | Intake and Output Routine, q1h(std) | | | | |
| $\overline{\mathbf{v}}$ | | | | | |
| | Turn Cough Deep Breathe | | | | |
| $\overline{\mathbf{v}}$ | Routine, q1h-Awake | | | | |
| Ľ | Incentive Spirometry NSG | | | | |
| | Routine, q1h-Awake | | | | |
| ☑ | O2 Sat Monitoring NSG | | | | |
| | Routine | | | | |
| $\overline{\mathbf{C}}$ | Nasogastric Tube | | | | |
| | Suction Strength: Low Intermittent, Clamp for medications as tolerated | | | | |
| $\overline{\mathbf{C}}$ | Dressing Care | | | | |
| | Routine, Action: Change, Location: Central Line, Wednesday, and PRN for soiled, loosened and moist dressings | | | | |
| ☑ | Indwelling Urinary Catheter Care q-shift, PRN | | | | |
| $\overline{\mathbf{A}}$ | Continue Foley Per Protocol | | | | |
| _ | Reason: s/p Organ Transplant | | | | |
| | SCD Apply | | | | |
| | Apply To Lower Extremities | | | | |
| $\overline{\mathbf{v}}$ | Whole Blood Glucose Nsg | | | | |
| _ | q4h(std) | | | | |
| | | | | | |





| | Ordering Physician MUST complete order details of Date and Time below:(NOTE)* | | | | | | |
|-------------------------|--|--|--|--|--|--|--|
| $\overline{\mathbf{A}}$ | · · · · · · · · · · · · · · · · · · · | | | | | | |
| | rsing Communication | | | | | | |
| | Nursing Communication Notify Transplant Research Coordinator of patient arrival to ICU | | | | | | |
| Respira | atory Care | | | | | | |
| 2 | ISTAT Blood Gases (RT Collect) T;N Stat once | | | | | | |
| | NOTE: If a mechanical ventilator is needed please order the Mechanically Ventilated Patient Phase (Vent Bundle Phase) in this Plan.(NOTE)* | | | | | | |
| $\overline{\checkmark}$ | RT Communication | | | | | | |
| | once, Special Instructions: Once patient is extubated, discontinue ABG order | | | | | | |
| | uous Infusion . | | | | | | |
| | D5 1/2NS | | | | | | |
| Donloo | 1,000 mL, IV, 30 mL/hr | | | | | | |
| керіас | rement Fluids 1/2 NS replacement fluid order below is active for 24 hours. If a longer duration is necessary, modify the duration details.(NOTE)* | | | | | | |
| | 1/2NS | | | | | | |
| _ | 1,000 mL, IV, (for 24 hr), replacement fluid, Replace UOP q1h, see comments for rates | | | | | | |
| | Comments: Urine output per hour IV fluid per hour1-300 mL | | | | | | |
| | replace 100% of urine output301-500 mL replace 80% of urine output greater than 500 mL replace 60% of urine output | | | | | | |
| | Nursing Communication | | | | | | |
| | Contact physician within 24 hours after initiation of 1/2 NS replacement fluid order to determine if order is necessary beyond 24 hours. | | | | | | |
| Medica | itions | | | | | | |
| lm m n | If enrolled in research study, please check for research protocol and orders.(NOTE)* | | | | | | |
| | osuppression Medications | | | | | | |
| ш | +1 Hours mycophenolate mofetil 1 g, Oral Susp, NG, bid, Routine, To be given at 0600 and 1800 | | | | | | |
| | Comments: Once extubated and tolerating PO change route to PO | | | | | | |
| Anti-in | fectives | | | | | | |
| | +1 Hours ampicillin-sulbactam | | | | | | |
| | 1.5 g, Injection, IV Piggyback, q6h, Routine, (for 2 dose) Comments: Coordinate first dose with antibiotics given in surgery. | | | | | | |
| | If allergic to Penicillin/Cephalosporins place both orders below:(NOTE)* | | | | | | |
| | +1 Hours clindamycin | | | | | | |
| | 600 mg, IV Piggyback, IV Piggyback, q8h, Routine, (for 2 dose) Comments: Coordinate first dose with antibiotics given in surgery. | | | | | | |
| | · · · · · · · · · · · · · · · · · · · | | | | | | |
| _ | +1 Hours aztreonam 1 g, IV Piggyback, IV Piggyback, q8h, Routine, (for 2 dose) | | | | | | |
| | Comments: Coordinate first dose with antibiotics given in surgery. | | | | | | |
| | +1 Days valganciclovir | | | | | | |
| | 450 mg, Oral Susp, NG, QODay, Routine | | | | | | |
| П | Comments: CMV prophylaxis | | | | | | |
| | +1 Hours nystatin 100,000 units/mL oral suspension 5 mL, Oral Susp, PO, tid | | | | | | |
| | Comments: Swish and Swallow. For fungal prophylaxis | | | | | | |
| | +3 Days sulfamethoxazole-trimethoprim SS | | | | | | |
| | | | | | | | |



| | 80 mg, Tab, PO, q48h, Routine Comments: Please give at bedtime. PCP prophylaxis If allergic to Sulfa place order below:(NOTE)* | | | | | |
|-------------------------|---|--|--|--|--|--|
| | | | | | | |
| | +3 Days dapsone 25 mg, Tab, PO, QDay | | | | | |
| | Medications | | | | | |
| | Transplant Insulin Sliding Scale Protocol Plan(SUB)* | | | | | |
| | +1 Hours famotidine 20 mg, Injection, IV Push, q12h, Routine Comments: Reduce frequency to q24h for CrCl less than 50 mL/min. | | | | | |
| | +1 Hours pantoprazole 40 mg, Injection, IV Push, QDay, Routine | | | | | |
| | phytonadione | | | | | |
| _ | 10 mg, IV Piggyback, IV Piggyback, q8h, Routine, (for 3 dose) Comments: Begin first dose immediately post-op arrival to TICU. | | | | | |
| | +1 Hours cloNIDine | | | | | |
| _ | 0.1 mg, Tab, NG, q4h, PRN Hypertension, Routine, PRN SBP greater than 180 mmHg or DBP greater than 90 mmHg | | | | | |
| | +1 Hours LORazepam | | | | | |
| | 0.5 mg, Injection, IV Push, once, PRN Agitation, Routine Comments: discontinue once patient is extubated | | | | | |
| | Place only one order below :(NOTE)* | | | | | |
| | +1 Hours morphine | | | | | |
| | 2 mg, Injection, IV Push, q4h, PRN Pain, Severe (8-10), Routine (DEF)* Comments: discontinue once patient is extubated | | | | | |
| | 1 mg, Injection, IV Push, q4h, PRN Pain, Moderate (4-7), Routine Comments: discontinue once patient is extubated | | | | | |
| | If patient is allergic to morPHINE place one order below :(NOTE)* +1 Hours HYDROmorphone | | | | | |
| | 1 mg, Injection, IV Push, q4h, PRN Pain, Severe (8-10), Routine (DEF)* Comments: discontinue once patient is extubated | | | | | |
| | 0.5 mg, Injection, IV Push, q4h, PRN Pain, Moderate (4-7), Routine Comments: discontinue once patient is extubated | | | | | |
| | If Hepatitis B Prophylaxis needed for core antibody positive donor, consider placing order below:(NOTE) | | | | | |
| | +1 Hours entecavir | | | | | |
| | 0.5 mg, Tab, NG, QDay, Routine Comments: Once extubated and tolerating PO, change route to PO. | | | | | |
| _abora | · | | | | | |
| | NOTE: Labs for first 24 hours(NOTE)* | | | | | |
| ☑ | O2 Saturation Meas Oximetry | | | | | |
| $\overline{\mathbf{v}}$ | STAT, T;N, once, Type: Blood, Nurse Collect CBC | | | | | |
| $\overline{\mathbf{v}}$ | STAT, T;N, once, Type: Blood, Nurse Collect CMP | | | | | |
| $\overline{\mathbf{v}}$ | STAT, T;N, once, Type: Blood, Nurse Collect Calcium Ionized | | | | | |
| V | STAT, T;N, once, Type: Blood, Nurse Collect PT/INR | | | | | |
| | STAT, T;N, once, Type: Blood, Nurse Collect | | | | | |



| $\overline{\mathbf{Q}}$ | PTT | STAT TINI and Times Placed Nurses Callect | | | | |
|-------------------------|---|---|--|--|--|--|
| $\overline{\mathbf{Z}}$ | СВС | STAT, T;N, once, Type: Blood, Nurse Collect | | | | |
| $\overline{\mathbf{C}}$ | AST | Time Study, T;N+480, q8h x 5 occurrence, Type: Blood, Nurse Collect | | | | |
| | Time Study, T;N+480, q8h x 5 occurrence, Type: Blood, Nurse Collect Potassium Level | | | | | |
| | Time Study, T;N+480, q8h x 5 occurrence, Type: Blood, Nurse Collect | | | | | |
| | Glucose Level Time Study, T;N+480, q8h x 5 occurrence, Type: Blood, Nurse Collect | | | | | |
| ☑ | | PT/INR Time Study, T;N+480, q8h x 5 occurrence, Type: Blood, Nurse Collect | | | | |
| _ | | NOTE: AM Labs(NOTE)* | | | | |
| | Routine, T+1;N, qam, Type: Blood, Nurse Collect | | | | | |
| ☑ | CBC | Routine, T+1;N, gam x 5 day, Type: Blood, Nurse Collect | | | | |
| $\overline{\mathbf{Q}}$ | CMP | | | | | |
| $\overline{\mathbf{Q}}$ | PT/INR | Routine, T+1;N, qam x 5 day, Type: Blood, Nurse Collect | | | | |
| | F I/INK | Routine, T+1;N, qam x 3 day, Type: Blood, Nurse Collect | | | | |
| $\overline{\checkmark}$ | PTT | | | | | |
| | | Routine, T+1;N, qam, Type: Blood, Nurse Collect | | | | |
| | | If patient transplanted for Hepatitis B Virus, place order below:(NOTE)* | | | | |
| Ц | пераш | Hepatitis B Antibody Routine, T+7;N, once, Type: Blood, Nurse Collect | | | | |
| Diagno | stic Tes | | | | | |
| $\overline{\mathbf{Q}}$ | Chest 1 | | | | | |
| | | T;N, Reason for Exam: Other, Enter in Comments, Stat, Portable | | | | |
| Consu | lts/Notifi | Comments: Reason: Post Transplant ications/Referrals | | | | |
| $\overline{\mathbf{Z}}$ | | Physician For Vital Signs Of | | | | |
| | ŕ | Notify: surgical transplant resident or fellow, BP Systolic > 180, BP Diastolic > 90, BP Systolic < 100, BP Diastolic < 60, Celsius Temp > 38.3, Heart Rate > 120, Heart Rate < 60, Oxygen Sat < 94, Urine Output < 20, Blood Glucose < 60, Blood Glucose > 200 | | | | |
| $\overline{\checkmark}$ | Notify P | Physician-Continuing | | | | |
| | | Notify: surgical transplant resident, Notify For: Platelets less than 25,000 per microliter and/or Phosphorus Level less than 3 mg/dL | | | | |
| \Box | Dietitian Consult/Nutrition Therapy Type of Consult: Nutrition Management | | | | | |
| \Box | Transplant Coordinator Consult | | | | | |
| $\overline{\mathbf{A}}$ | Reason for Consult: Transplant patient arrival to ICU Medical Social Work Consult | | | | | |
| | Routine, Reason: Other, specify, Psychosocial Assessment Physical Therapy Initial Eval and Tx | | | | | |
| Macha | nically V | Routine | | | | |
| | nically v ategorize | /entilated Patients Phase ed | | | | |



Mechanically Ventilated Pt (Vent Bundle) Care Track



T:N **Patient Care** \square Elevate Head Of Bed 30 degrees or greater if systolic blood pressure is greater than 95 mmHg $\overline{\mathbf{A}}$ Reposition ETT (Nsg) QDay, Rotate tube from one side to the other to reduce the risk of skin breakdown. ◩ **ETT Subglottic Suction** Low Continuous, 20mmHg, Applies to ETT with the Hi-Lo suction capability. (DEF)* Low Intermittent, 40mmHg, Applies to ETT with the Hi-Lo suction capability. Low Intermittent, 60mmHg, Applies to ETT with the Hi-Lo suction capability. Low Intermittent, 80mmHg, Applies to ETT with the Hi-Lo suction capability. Low Intermittent, 100mmHg, Applies to ETT with the Hi-Lo suction capability. Low Intermittent, 120mmHg, Applies to ETT with the Hi-Lo suction capability. ◩ Mouth Care Routine, q2h(std) 藯 **Nursing Communication** Call MD if higher than any of the following maximum doses of medications is required. LORazepam 6 mg in 3 hours, Fentanyl 500 mcg/hr, propofol 100 mcg/kg/min, midazolam 7mg/hr ☑ If SAS goal not met in 6 hours, call MD for further orders ☑ **Nursing Communication** If receiving haloperidol, patient must be on cardiac monitor - call MD for QTc prolongation greater than or equal to 500 msecs and HOLD haloperidol $\overline{\mathbf{Q}}$ **Nursing Communication** Once SAS goal is met initially, reassess and document SAS score q2hrs ◩ **Nursing Communication** If the patient is on sedation medication other than propofol, begin turning off the sedation medications at 8am for the sedation vacation process ☑ **Nursing Communication** Notify Respiratory for Weaning Assessment at 8am if a Vacation Sedation is initiated, **Respiratory Care** 囨 Mechanical Ventilation \square Reposition ETT (Nsa) QDay. Rotate tube from one side to the other to reduce the risk of skin breakdown. Medications +1 Hours docusate 100 mg, Liq, NG, bid, Routine Comments: HOLD for diarrhea +1 Hours famotidine 20 mg, Tab, NG, bid, Routine Comments: reduce to 20 mg daily if creatinine clearance is less than 50 mL/min +1 Hours famotidine 20 mg, Injection, IV Push, bid, Routine Comments: reduce to 20 mg daily if creatinine clearance is less than 50 mL/min +1 Hours pantoprazole 40 mg, Granule, NG, QDay, Routine +1 Hours pantoprazole 40 mg, Injection, IV Push, QDay, Routine





| +1 Hours Chlorhexidine For Mouthcare 0.12% Liq 15 mL, Liq, Mucous Membrane, bid, Routine Comments: For mouthcare at 0800 and 2000. |
|--|
| VTE MEDICAL Prophylaxis Plan(SUB)* |
| VTE SURGICAL Prophylaxis Plan(SUB)* |
| Sequential Compression Device Apply |
| T;N, Apply to Lower Extremities |
| on |
| Refer to Patient Care Section/Nursing communication orders for medication monitoring parameters.(NOTE)* Choose Sedation Goal per Riker Sedation Agitation Scale (SAS) Goal of 3-4 recommended(NOTE)* |
| Sedation Goal per Riker Scale |
| Goal: 3 (Sedated) (DEF)* |
| Goal: 4 (Calm/Cooperative) |
| Propofol Orders Plan(SUB)* |
| +1 Hours LORazepam |
| 1 mg, Injection, IV Push, q30min, PRN Other, specify in Comment, Routine Comments: To maintain SAS goal (Maximum of 6 mg in a 3 hr period). If patient is over-sedated, hold dose until SAS goal achieved. Call MD if patient requires more than 20 mg/day. |
| +1 Hours midazolam |
| 1 mg, Injection, IV Push, q1h, PRN Other, specify in Comment, Routine Comments: To maintain SAS goal. If patient is over-sedated, hold dose until SAS goal achieved. Call MD if patient requires more than 20 mg/day. |
| +1 Hours midazolam 1mg/mL/NS 50 mL PreMix |
| 50 mg / 50 mL, IV, Routine, titrate Comments: Initiate at 1 mg/hr. Titrate by 0.5mg/hr every 15 minutes until SAS goal achieved. Maximum dose 7 mg/hr |
| +1 Hours dexmedetomidine infusion (ICU Sedation) (IVS)* |
| Sodium Chloride 0.9% |
| 100 mL, IV, (for 72 hr), Titrate |
| Comments: Concentration: 4 mcg/mL Initiate infusion at 0.2 mcg/kg/hr. Titrate by 0.1 mcg/kg/hr every 30 minutes to reach goal sedation of Riker 3-4. DO NOT BOLUS dose at any time. DO NOT TITRATE MORE FREQUENTLY THAN EVERY 30 MIN. |
| dexmedetomidine (additive) |
| 400 mcg |
| lanagement |
| Choose one of the orders below, morPHINE is not recommended if creatinine clearance is less than 50 |
| mL/min, in liver failure or SBP less than 90mmhg or MAP less than 65 mmhg.(NOTE)* |
| +1 Hours morphine |
| 2 mg, Injection, IV Push, q1h, PRN Pain, Moderate (4-7), Routine |
| +1 Hours HYDROmorphone 0.5 mg, Injection, IV Push, q1h, PRN Pain, Moderate (4-7), Routine |
| +1 Hours morphine 4 mg, Injection, IV Push, q1h, PRN Pain, Severe (8-10), Routine |
| |
| +1 Hours HYDROmorphone 1 mg, Injection, IV Push, q1h, PRN Pain, Severe (8-10) |
| |
| +1 Hours fentaNYL 10 mcg/mL in NS infusion |
| |



| Repo | rt Legend: | | | | |
|--------|--|--|---|-----------------------|--|
| | Date | Time | Physician's Signature | MD Number | |
| ☑ | Notify Physician-Continuing Notify: MD, Notify For: QTc prolongation on cardiac monitor greater than or equal to 500msecs and HOLD haloperidol | | | | |
| | · | continue sedation and equired by nsg unit) until ncomfortable or agitated. SAS goal still becomes agitated, resume document on the nursing | | | |
| ☑ | Sedation Vacati | • | | | |
| Sodati | • | SAS not met in 6 hrs, call ML | Agitation, Routine required. *If Qtc greater than 500 mse D. Call MD is patient requires more tha | | |
| | Place order belo Section/Nursing +1 Hours halop | communication orders for me eridol | lespite adequate sedation & analgesia. edication monitoring parameters.(NOT | | |
| Rofrac | ctory Agitation | Comments: Concentration 10 Initial Rate: 50 mcg/hr; Titrati orders. Max Rate: 500 mcg/h | ion Parameters: 50 mcg/hr every 10 m | in to SAS goal per MD | |

DEF - This order sentence is the default for the selected order

GOAL - This component is a goal

IND - This component is an indicator

INT - This component is an intervention

IVS - This component is an IV Set

NOTE - This component is a note

Rx - This component is a prescription

SUB - This component is a sub phase, see separate sheet

R-Required order

