



**Physician Orders ADULT: Vascular Surgery Carotid Endarterectomy Post Op Plan**

**Initiate Orders Phase**

**Care Sets/Protocols/PowerPlans**

- Initiate Powerplan Phase  
*Phase: Post Carotid Endarterectomy PACU Phase, When to Initiate:\_\_\_\_\_*
- Initiate Powerplan Phase  
*Phase: Carotid Endarterectomy Post Op Phase, When to Initiate:\_\_\_\_\_*

**Post Carotid Endarterectomy PACU Phase**

**Medications**

- aspirin  
*300 mg, Supp, PR, once, Routine*  
*Comments: Give in PACU*

**Laboratory**

- BMP  
*STAT, T;N, once, Type: Blood*  
*Comments: Draw in PACU*
- CBC w/o Diff  
*STAT, T;N, once, Type: Blood*  
*Comments: Draw in PACU*

**Carotid Endarterectomy Post Op Phase**

**Admission/Transfer/Discharge**

- Return Patient to Room  
*T;N*  
For patients at University.(NOTE)\*
- Transfer Pt within current facility  
*Level of Care: Critical Care, To SICU, Telemetry: Telemetry*  
For patients at Germantown(NOTE)\*
- Transfer Pt within current facility  
*Level of Care: Critical Care, To CVICU*
- Notify Physician-Once  
*Notify For: room number upon arrival to unit*

**Vital Signs**

- Vital Signs w/Neuro Checks  
*Monitor and Record T,P,R,BP, every hour times 24 hr, then every 4 hours times 4, then every 8 hours*

**Activity**

- Elevate Head Of Bed  
*30 degrees*
- Out Of Bed  
*Up to chair*
- Ambulate  
*QDay, Ambulate in hall daily, T+1;N*





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**Food/Nutrition**

- NPO  
*Start at: T;N*
- Clear Liquid Diet  
*Start at: T;N*
- Advance Diet As Tolerated  
*to Regular diet, T+1;N*

**Patient Care**

- Intake and Output  
*q8h(std), every hour times 4, then every 4 hours times 4 times 4, then every 8 hours*
- Drain Care  
*q2h(std), Suction Type: Bulb*
- Incentive Spirometry NSG  
*q2h-Awake*
- Turn Cough Deep Breathe  
*q2h-Awake*
- Incision Care  
*T+1;N*
- Foley Insert-Follow Removal Protocol  
*Reason: Postop Surgery Less Than 24 Hrs Ago, to bedside gravity drainage*  
*Comments: to bedside gravity drainage*
- Remove Foley  
*Remove on arrival to unit*
- In and Out Cath  
*q6h(std) hr, if unable to void*

**Nursing Communication**

- Nursing Communication  
*Maintain Arterial Line*

**Respiratory Care**

- Oxygen Saturation-Continuous Monitoring (RT)  
*T;N*
- O2-Nasal Cannula  
*2 L/min, Special Instructions: titrate to keep O2 sat equal to or greater than 92%*

**Continuous Infusion**

- Sodium Chloride 0.9%  
*1,000 mL, IV, Routine, 100 mL/hr*
- Sodium Chloride 0.45%  
*1,000 mL, IV, Routine, 100 mL/hr*
- Dextrose 5% with 0.45% NaCl  
*1,000 mL, IV, Routine, 100 mL/hr*





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- esmolol 2 g/NS infusion  
     2 g / 100 mL, IV, Routine, titrate  
     Comments: Administer via Central line only. Initial Rate: 50 mcg/kg/min; Titration Parameters: 50 mcg/kg/min as often as every 5 min to maintain SBP between 120 and 155 mmHg; Max Rate: 300 mcg/kg/min; Conc: 20 mg/mL BETA BLOCKER
- nitroGLYcerin 50 mg/D5W infusion  
     50 mg / 250 mL, IV, Routine, titrate  
     Comments: Initial Rate: 5 mcg/min; Titration Parameters: 5 mcg/min every 3 min to desired effect per MD orders; Max Rate: 200 mcg/min; Conc: 200 mcg/mL
- phenylephrine infusion (IVS)\*  
     Normal Saline  
     250 mL, IV, Routine, titrate  
     Comments: Initial Rate: 50mcg/min; Titration Parameters 10 mcg/min as often as every 5 min to maintain SBP between 120 to 155 mmHg; Max Rate: 360 mcg/min; Conc: 200 mcg/mL  
     phenylephrine (additive)  
     50 mg

**Medications**

- +1 Hours** VTE Other SURGICAL Prophylaxis Plan(SUB)\*
- +1 Hours** acetaminophen  
     650 mg, Tab, PO, q4h, PRN Pain, Mild or Fever, Routine  
     Comments: temp greater than 38.5 degrees Celsius. Not to exceed 4,000 mg acetaminophen in 24 hours.
- +1 Hours** acetaminophen-HYDROcodone 325 mg-5 mg oral tablet  
     1 tab, PO, prn, PRN Pain, Moderate (4-7), Routine
- +1 Hours** acetaminophen-HYDROcodone 325 mg-5 mg oral tablet  
     2 tab, PO, q4h, PRN Pain, Severe (8-10), Routine
- +1 Hours** metoprolol  
     5 mg, Injection, IV Push, q6h, PRN Hypertension, Routine  
     Comments: BETA BLOCKER For SBP >160mmHg, Hold for heart rate less than 50 beats/minute
- +1 Hours** aspirin  
     81 mg, Chew tab, PO, QDay, Routine
- +1 Hours** aspirin  
     325 mg, ER Tablet, PO, QDay, Routine
- +1 Hours** clopidogrel  
     75 mg, Tab, PO, QDay, Routine
- +1 Days** docusate  
     100 mg, Cap, PO, bid, Routine
- +1 Hours** ondansetron  
     4 mg, Injection, IV Push, q4h, PRN Nausea/Vomiting, Routine





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- +1 Hours** atorvastatin  
*10 mg, Tab, PO, hs, Routine*
- +1 Hours** pravastatin  
*40 mg, Tab, PO, hs, Routine*
- +1 Hours** metoclopramide  
*5 mg, Injection, IV Push, q6h, PRN Nausea, Routine*

**K+ Supplementation w/o Renal Impairment**

Potassium less than or equal to 3.0(NOTE)\*

- Nursing Communication  
*T;N, Place order for Potassium Level 2 hours after completion of Potassium replacement. Continue replacement guidelines until potassium level is greater than or equal to 3.5 mmol/L.*

- +1 Hours** potassium chloride  
*60 mEq, IV Piggyback, IV Piggyback, prn, PRN Hypokalemia, Routine*  
*Comments: Give if potassium level less than or equal to 3 mmol/L. Run at 10 mEq/hr. Request dose from pharmacy.*

Potassium between 3.1 - 3.5(NOTE)\*

- +1 Hours** potassium chloride  
*40 mEq, IV Piggyback, IV Piggyback, prn, PRN Hypokalemia, Routine*  
*Comments: Give if potassium level between 3.1 - 3.5 mmol/L. Run at 10 mEq/hr. Request dose from pharmacy.*

Potassium between 3.6 - 3.9(NOTE)\*

- +1 Hours** potassium chloride  
*20 mEq, IV Piggyback, IV Piggyback, prn, PRN Hypokalemia, Routine*  
*Comments: Give if potassium level between 3.6 - 3.9 mmol/L. Run at 10 mEq/hr. Request dose from pharmacy.*

**Potassium Supplements (CrCl < 30mL/min)**

- Nursing Communication  
*T;N, Place order for Potassium Level 2 hours after completion of Potassium replacement. Continue replacement guidelines until potassium level is greater than or equal to 3.5 mmol/L.*

Potassium less than or equal to 3.0(NOTE)\*

- +1 Hours** potassium chloride  
*40 mEq, IV Piggyback, IV Piggyback, prn, PRN Hypokalemia, Routine*  
*Comments: Give if potassium level < or equal to 3 mmol/L. Run at 10 mEq/hr. Request dose from pharmacy.*

Potassium between 3.1 - 3.6(NOTE)\*

- +1 Hours** potassium chloride  
*20 mEq, IV Piggyback, IV Piggyback, prn, PRN Hypokalemia, Routine*  
*Comments: Give if potassium level between 3.1 - 3.6 mmol/L. Run at 10 mEq/hr. Request dose from pharmacy.*

**Mg+ Supplementation w/o Renal Impairment**

- Nursing Communication  
*T;N, Place order for Magnesium Level the morning after completion of Magnesium replacement.*





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*Continue replacement guidelines until magnesium level is greater than or equal to 1.8 mg/dL.*

Magnesium less than 1mg/dL to 1.5 mg/dL(NOTE)\*

- +1 Hours** magnesium sulfate  
*4 g, IV Piggyback, IV Piggyback, prn, PRN Hypomagnesemia, Routine, Infuse over 4 hrs*  
*Comments: Give if magnesium level less than 1 mg/dL. Request dose from pharmacy.*

Magnesium between 1.6 - 1.8 mg/dL(NOTE)\*

- +1 Hours** magnesium sulfate  
*2 g, IV Piggyback, IV Piggyback, prn, PRN Hypomagnesemia, Routine, Infuse over 2 hrs*  
*Comments: Give if magnesium level between 1.6 - 1.8 mg/dL. Request dose from pharmacy*

**Magnesium Supplements (CrCl < 30mL/min)**

- Nursing Communication  
*T;N, Place order for Magnesium Level the morning after completion of Magnesium replacement.*  
*Continue replacement guidelines until magnesium level is greater than or equal to 1.8 mg/dL.*

Magnesium less than to 1 mg/dL(NOTE)\*

- +1 Hours** magnesium sulfate  
*4 g, IV Piggyback, IV Piggyback, prn, PRN Hypomagnesemia, Routine, ( infuse over 4 hr )*  
*Comments: Give if magnesium level less than 1 mg/dL. Request dose from pharmacy.*

Magnesium between 1 - 1.6 mg/dL(NOTE)\*

- +1 Hours** magnesium sulfate  
*2 g, IV Piggyback, IV Piggyback, prn, PRN Hypomagnesemia, Routine, ( infuse over 2 hr )*  
*Comments: Give if magnesium level between 1 - 1.6 mg/dL. Request dose from pharmacy.*

**Laboratory**

- CBC  
*Routine, T+1;0400, once, Type: Blood*
- PT/INR  
*Routine, T+1;0400, once, Type: Blood*
- BMP  
*Routine, T+1;0400, once, Type: Blood*
- Magnesium Level  
*Routine, T+1;0400, once, Type: Blood*
- Phosphorus Level  
*Routine, T+1;0400, once, Type: Blood*

**Diagnostic Tests**

- EKG  
*Start at: T;N, Priority: Routine*

**Consults/Notifications/Referrals**

- Notify Physician-Continuing  
*Symptomatic Change in Rhythm and or headache*
- Notify Physician For Vital Signs Of  
*BP Systolic > 160, BP Diastolic > 100, BP Systolic < 100, BP Diastolic < 50, Celsius Temp > 38.5,  
Heart Rate > 100, Heart Rate < 50, Resp Rate > 20, Urine Output < 30 mL/hr*





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- Diabetic Teaching Consult  
*Start at: T;N*  
For patients at University(NOTE)\*
- Physician Group Consult  
*Group: UTMP Pulmonary - AMB, Reason for Consult: Critical Care Management*  
For patients at Germantown(NOTE)\*
- Physician Group Consult  
*Group: Methodist Germantown Hospitalist Group, Reason for Consult: Critical Care Management*

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Date	Time	Physician's Signature	MD Number
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**\*Report Legend:**

- 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 sheet.

