

**UNIVERSITY MEDICAL CENTER
INTERDISCIPLINARY**

Disclaimer: The _____ is a suggested interdisciplinary plan of care. This is only a guideline. The patient problem, outcomes and interventions may be changed to meet the individual needs of the patient. Physician/Medical orders supersede all pre-printed interventions identified on the _____.

ADDRESSOGRAPH _____

: Generic Cardiac Surgery

LIMA: _____

OR Date: _____

ESTIMATED LOS: _____ Days

Date placed on map: _____

EXCLUSIONARY CRITERIA:

1. EF < 20%
2. Second Reop (3rd Surgery)
3. Valve surgery
4. Renal Failure: Dialysis pre-op or CR>2.8
5. Aneurysm
6. Cardiogenic shock: CI < 2.0 on inotropes
7. Severe COPD/Pre-op ABG reveals any of the following
 - PaO2 < 60 or SAT < 92% on Room Air/PaCO2 > 50.

Primary Diagnosis/Procedure: _____

Pertinent Past Medical History: _____

Allergies: _____

Pre-op Medications: _____

Significant Pre-op Lab Work: _____

CONSULTS OR DISCIPLINES INVOLVED/NOTIFIED:

- | | |
|----------|------------------------------------|
| 1. _____ | Initials/Date/Time notified: _____ |
| 2. _____ | Initials/Date/Time notified: _____ |
| 3. _____ | Initials/Date/Time notified: _____ |
| 4. _____ | Initials/Date/Time notified: _____ |
| 5. _____ | Initials/Date/Time notified: _____ |

RN Signature: _____ Date/Time: _____

RN Signature: _____ Date/Time: _____

Instructions for Documentation:

OUTCOMES/INTERVENTIONS:

- Initial when met or completed
- Use notation N/A, if not applicable for the timeframe
- Initial and circle, if not met or completed

Supplemental Documentation is required on the Progress Record / Patient Focus Notes when an outcome or intervention is initialed and circled, indicating it was not met or completed as stated.

COURSE/SIGNIFICANT EVENTS THIS ADMISSION:

Admission: _____

POD #1: _____

POD #2: _____

POD #3: _____

POD #4: _____

POD #5: _____

POD #6: _____

POD #7: _____

OTHER: _____

TRANSFER SUMMARY:

Invasive Lines	Site	Date In	Removed
Swan			
DLC			
Aline			
PIID (HL) Size: _____			New Site/Date :
Chest Tubes			
Foley			Void:

Pacing Wires: _____ A _____ A _____ V _____ V

Pacer Used: _____

Other: _____

Last Medicated: _____ Most Recent Labs: K+ _____ WBC _____ H/H _____

Other: _____ Total I/O Balance (since surgery) _____

CULTURES

Site	Date	Results

RN Signature: _____

Generic Cardiac Surgery

Signature	Title	Initial
SIGNATURE REQUIRING CO-SIGNATURE		
Signature Requiring Co-Signature	Date/Shift	Initial/Title

ADDRESSOGRAPH

DESIRED OUTCOMES

D = DAYS E = EVENINGS N = NIGHTS

Problem/Needs	Pre-Op Date:	Met Time / Initials	Problem/Needs	Met Time / Initials
Knowledge Deficit related to plan of care	Patient/family verbalizes understanding of anticipated plan of care / surgery and participates in decision making.		Mobility	Activity as tolerated
Pain Management			Fluid and Electrolytes	Labs within therapeutic range
Decreased Tissue Perfusion	Maintain current cardiac status			
	Chest pain free			
Potential for Infection	No evidence of infection		Patient Safety	Remains injury free in a safe environment.
Impaired Gas Exchange	No evidence of respiratory distress		Skin Integrity	No evidence of skin breakdown.
			Patient/Family Satisfaction	Patient/family verbalizes satisfaction with hospital stay/care.

INTERVENTIONS (continued on back)

Patient Care Categories	Met Time / Initials	Patient Care Categories	Met Time / Initials
Discharge Plan	Assess discharge needs (Cardiac Surgery Nurses) - refer to Discharge Planning / Social Services	Nutrition	* NPO after midnight
			High risk nutritional assessment completed.

INTERVENTIONS (continued)

Patient Care Categories	Pre-Op Date:	Met Time / Initials	Patient Care Categories		Met Time / Initials
Assessment & Treatments	Admission Assessment		Teaching & Psychosocial	Assess patient / family satisfaction.	
	*Vital signs q shift			Encourage verbalization of fears / concerns.	
	System assessment q shift			Admitting orientation	
	Weight:			Cardiac Surgery nurse visit, pre-op booklet and patient pathway given	
	Height:			Learning needs / teaching plan: - Heart A&P - Procedure and post-op care - NPO after midnight - Skin prep - Expected LOS - Pain Management	
	Complete pre-op checklist			Encourage patient to verbalize questions, as necessary	
	Cardiac Surgery nurse visit			Instruct on incentive spirometry use (RT); if in DAR call night shift	
	Cardiac surgery nurse assesses need for pre-op consults (hematology, pulmonary, renal, vascular, neuro, etc.)				
	Cardiac Surgeon visit				
	Document volume achieved:				
			Specimens & Diagnostics	Lab / diagnostics results reviewed; MD notified if indicated.	
				* ABG (if necessary)	
				* PFTs (if necessary)	
				Pre-Op Incentive Spirometry volume:	
				* Tests / Procedures	
			Safety & Activity	Falls protocol initiated.	
				* Activity level: OOB ad lib	
				Potential need for physical therapy assessed by Cardiac Surgery nurses	
	Hygiene & Comfort Protocol				
	Peripheral IV Therapy Protocol				
	Pressure Ulcer Prevention Protocol				

Signature			Title	Initial
SIGNATURE REQUIRING CO-SIGNATURE				
Signature Requiring Co-Signature		Date/Shift	Initial/Title	

D = DAYS E = EVENINGS N = NIGHTS

Problem/Needs	Day of Surgery Date:	D	E	N	Problem/Needs		D	E	N
Knowledge Deficit related to plan of care	Patient/family verbalizes understanding of anticipated plan of care / surgery and participates in decision making.				Mobility	Moving all extremities on command.			
Pain Management	Pain free or verbalizes pain relief after intervention.				Fluid and Electrolytes	Urinary Output > 20cc / hr			
						Labs within therapeutic range			
Decreased Tissue Perfusion	Cardiac Index >								
	Stable rhythm (asymptomatic)								
Potential for Infection	Dressing dry and intact				Patient Safety	Remains injury free in a safe environment.			
	Glucose < 200								
Impaired Gas Exchange	Extubated; no wheezing / stridor				Skin Integrity	No evidence of skin breakdown.			
	Denies SOB								
	Incentive Spirometry > 500cc or:				Patient/Family Satisfaction	Patient/family verbalizes satisfaction with hospital stay/care.			

Patient Care Categories		D	E	N	Patient Care Categories		D	E	N
Discharge Plan	Cardiac surgery nurse contacts Discharge Planning / Social Services (if problems anticipated).				Nutrition	* NPO while intubated.			
						Ice chips; progress to clear liquids as tolerated.			
						NGT/OGT as per unit standard.			
						* Discontinue NGT/OGT			
						High risk nutritional assessment completed.			

INTERVENTIONS (continued)

Patient Care Categories	Day of Surgery Date:	D	E	N	Patient Care Categories		D	E	N
Assessment & Treatments	* VS, Hemodynamic monitoring, assessments, I/O, chest tube management, invasive line care & wound care as per unit standard				Teaching & Psychosocial	Assess patient / family satisfaction.			
	Daily weight					Encourage verbalization of fears / concerns.			
	* Autotransfusion					Reinforce cough and deep breathing / incentive spirometry. Explain activity progression and pain management.			
	* Cardiac infusions - titrated according to parameters (see flow sheet)					Explain unit environment & routine, procedures, equipment as needed.			
	* Pacing set for: _____ pacing at _____ MA _____ rate.								
	* Re-warm patient as per unit standard. Assess need for Demerol IVSS for shivering				Specimens & Diagnostics	Lab / diagnostics results reviewed; MD notified if indicated.			
	Evaluate need for pre-op meds. Assess comfort as per unit standards					* CBC, SMA7, PT, PTT, ABG, MVBG, Mg on adm. & in a.m.			
	* Administer blood and fluid products as per unit standard					* BS monitoring as ordered:			
	* Monitor respiratory status as per unit and respiratory department standards					* K+, CBC, ABG q 4 hr. & PRN			
	* Pulmonary toilet as per unit standard. Respiratory support (see flow sheet). Assess need for additional respiratory care.					* Troponin levels at 3 a.m.			
	* Pre-Extubation: Draw initial ABG (RT/RN). Monitor patient vent system, as per unit standards of care for patient.					* 12 lead ECG on admission & in am (only if patient not AV paced).			
	* Begin weaning when indicated as per standard.					* CXR on admission (if not done in OR) and in a.m.			
	* Extubate as per unit standard.					* Tests / Procedures			
					Safety & Activity	Falls protocol maintained.			
						* Complete bed bath after 6 hr., if stable.			
						* OOB to dangle and to chair if hemodynamically stable.			
						All alarms and parameters set. Call be within reach.			
	Hygiene & Comfort Protocol								
	Peripheral IV Therapy Protocol								
	Pressure Ulcer Prevention Protocol								

<i>Signature</i>	<i>Title</i>	<i>Initial</i>
SIGNATURE REQUIRING CO-SIGNATURE		
<i>Signature Requiring Co-Signature</i>	<i>Date/Shift</i>	<i>Initial/Title</i>

D = DAYS E = EVENINGS N = NIGHTS

<i>Problem/ Needs</i>	<i>POD #1 Date:</i> _____	<i>D</i>	<i>E</i>	<i>N</i>	<i>Problem/ Needs</i>		<i>D</i>	<i>E</i>	<i>N</i>
<i>Knowledge Deficit related to plan of care</i>	Patient/family verbalizes understanding of anticipated plan of care and participates in decision making.				<i>Mobility</i>	Transfer to 4 West			
						Comfortable on current pain regime			
						OOB to chair x 1			
<i>Pain Management</i>	Pain free or verbalizes pain relief after intervention.				<i>Fluid and Electrolytes</i>	Urinary Output > 30cc / hr			
						Tolerating clear liquids			
							Labs within therapeutic range		
<i>Decreased Tissue Perfusion</i>	Cardiac Index stable								
	Maintaining / weaning cardiac infusion								
	Stable rhythm								
<i>Potential for Infection</i>	Glucose < 200								
	Afebrile								
					<i>Patient Safety</i>	Remains injury free in a safe environment.			
<i>Impaired Gas Exchange</i>	Extubated; no wheezing / stridor				<i>Skin Integrity</i>	No evidence of skin breakdown.			
	Denies SOB								
	Incentive Spirometry > 750 - 1000cc or:				<i>Patient/Family Satisfaction</i>	Patient/family verbalizes satisfaction with hospital stay/care.			

Patient Care Categories		D	E	N	Patient Care Categories		D	E	N
<i>Discharge Plan</i>	Evaluate need for special Discharge Planning. Referral to Discharge Planning / Social Services.				<i>Nutrition</i>	* Clear liquids; advance diet to 2 gm Na low chol, or:			
				% of diet consumed:					
				Breakfast _____%					
				Lunch _____%					
				Dinner _____%					

INTERVENTIONS (continued)

Patient Care Categories	POD #1 Date: _____	D	E	N	Patient Care Categories		D	E	N
Assessment & Treatments	* VS, Hemodynamic monitoring, assessments, I/O, chest tube management and invasive line care & wound care as per unit standard				Teaching & Psychosocial	Assess patient / family satisfaction.			
	Daily weight					Encourage verbalization of fears / concerns.			
	* Wean cardiac infusions (see flow sheet)					Identify learning needs / continue teaching plan. Adapt teaching plan based on patient's assessment & response to learning.			
	* D/C Dual lumen Catheter and KVO infusion and insert peripheral line.					Explain step-down unit environment.			
	* D/C swan								
	* D/C Aline, consider radial Aline if arterial monitoring continues.								
	* Cap pacing wires if rhythm stable > 24 hrs.								
	* D/C chest tubes. Time: _____ Occlusive dressing x 24 hrs. Obtain CXR after removal of pleural chest tubes.								
	* D/C Foley, call MD if no void in 8 hrs. Removal time: _____								
	* Remove initial sternal leg dressing. Time: _____								
	Evaluate need for pre-op meds.								
	* Transfer to 4 West.				Specimens & Diagnostics	Lab / diagnostics results reviewed; MD notified if indicated.			
	* Pulmonary toilet as per unit standard. Respiratory support (see flow sheet). Assess need for additional respiratory care.					* Tests / Procedures			
	Incentive spirometry q 2-4 hrs. while awake.								
				* CBC, SMA7, PT, PTT, 12 lead ECG in a.m.					
				Troponin level:					
				* CPK-MB 24 hrs. post-op					
				* BS monitoring as ordered:					
				* K+ and CBC 12p & 8p.					
				CXR in AM					
				EKG in AM					
				Safety & Activity	Falls protocol maintained.				
					* Assist with turning and bathing as needed.				
					* After dangling, OOB to chair x 2 (keep feet elevated as much as possible).				
					All alarms and parameters set. Call be within reach.				
					PT orders obtained for Post-Op Day 2				
	Hygiene & Comfort Protocol								
	Peripheral IV Therapy Protocol								
	Pressure Ulcer Prevention Protocol								

<i>Signature</i>	<i>Title</i>	<i>Initial</i>
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D = DAYS E = EVENINGS N = NIGHTS

Problem/ Needs	POD #2 Date: _____	D	E	N	Problem/ Needs		D	E	N
Knowledge Deficit related to plan of care	Patient/family verbalizes understanding of anticipated plan of care and participates in decision making.				Mobility	Transfer to 4 West			
	Discharge Planning / Social Services following patient.					Tolerates OOB to chair x 2			
Pain Management	Pain free or verbalizes pain relief after intervention.				Fluid and Electrolytes	Urinary Output > 30cc / hr			
						Tolerates full liquids and advances to solid diet.			
						Labs within therapeutic range			
Decreased Tissue Perfusion	Stable rhythm								
	Hemodynamics stable								
	Stable CI off cardiac infusions								
Potential for Infection	Glucose < 200								
	Chest tubes removed								
	Afebrile				Patient Safety	Remains injury free in a safe environment.			
Impaired Gas Exchange	Lungs clear				Skin Integrity	No evidence of skin breakdown.			
	Denies SOB; respiratory status stable								
	Incentive Spirometry > 1000cc or:				Patient/Family Satisfaction	Patient/family verbalizes satisfaction with hospital stay/care.			

Patient Care Categories		D	E	N	Patient Care Categories		D	E	N
Discharge Plan	Evaluate need for special Discharge Planning. Referral to Discharge Planning / Social Services if appropriate				Nutrition oh	* Clear liquids and advance diet to 2 gm Na low chol diet, or: _____			
				% of diet consumed:					
				Breakfast _____%					
				Lunch _____%					
					Dinner _____%				

INTERVENTIONS (continued)

Patient Care Categories	POD #2 Date: _____	D	E	N	Patient Care Categories		D	E	N
Assessment & Treatments	* VS, Hemodynamic monitoring, assessments, I/O, chest tube management and invasive line care & wound care as per unit standard				Teaching & Psychosocial	Assess patient / family satisfaction.			
	Daily weight					Encourage verbalization of fears / concerns.			
	* Wean cardiac infusions (see flow sheet)					Reinforce cough and deep breathing / Incentive Spirometry. Explain activity progression and pain management.			
	* D/C Dual lumen Catheter and KVO infusion and insert peripheral line.					Explain unit environment & equipment as needed.			
	* D/C swan					Explain step-down unit environment.			
	* D/C Aline								
	* Cap pacing wires if rhythm stable > 24 hrs.								
	* D/C chest tubes. Time: _____ Occlusive dressing x 24 hrs. Obtain CXR after removal of pleural chest tubes.								
	* D/C Foley, call MD if no void in 8 hrs. Removal time: _____								
	Evaluate need for pain meds / pre-op meds.								
	* Transfer to 4 West								
	* Pulmonary toilet as per unit standard. Respiratory support (see flow sheet). Assess need for additional respiratory care.				Specimens & Diagnostics	Lab / diagnostics results reviewed; MD notified if indicated.			
	Incentive spirometry q 2 hrs. while awake.					* Tests / Procedures			
	Remove initial sternal leg dressing if not already done. Time: _____								
				* CBC, SMA7, PT, PTT, 12 lead ECG in a.m.					
				* BS monitoring as ordered:					
					PT / INR if on coumadin				
					PTT if on heparin				
					Consider need for CXR				
				Safety & Activity	Falls protocol maintained.				
					* Assist with turning and bathing as needed.				
					* After dangling, OOB to chair x 2 (keep feet elevated as much as possible). Ambulate 25-50 ft.				
					All alarms and parameters set. Call be within reach.				
					PT evaluation completed if indicated.				
	Hygiene & Comfort Protocol								
	Peripheral IV Therapy Protocol								
	Pressure Ulcer Prevention Protocol								

<i>Signature</i>	<i>Title</i>	<i>Initial</i>
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D = DAYS E = EVENINGS N = NIGHTS

Problem/ Needs	POD #3 Date:	D	E	N	Problem/ Needs		D	E	N
Knowledge Deficit related to plan of care	Patient/family verbalizes understanding of anticipated plan of care and participates in decision making.				Mobility	Transfer to 4 West			
	Discharge Planning / Social Services following patient.					Tolerates OOB to chair x 2 and ambulates in room.			
Pain Management	Pain free or verbalizes pain relief after intervention.				Fluid and Electrolytes	Urinary Output > 720 cc / 24 hrs.			
	Comfortable on PO pain regime.					Tolerating 25-50% of diet.			
						Labs within therapeutic range			
Decreased Tissue Perfusion	Stable rhythm								
	Hemodynamics stable								
Potential for Infection	Central line discontinued.								
	Glucose < 200								
	Chest tubes removed				Patient Safety	Remains injury free in a safe environment.			
	Afebrile								
Impaired Gas Exchange	Lungs clear				Skin Integrity	No evidence of skin breakdown.			
	Denies SOB.								
	Incentive Spirometry > 1000cc				Patient/Family Satisfaction	Patient/family verbalizes satisfaction with hospital stay/care.			

Patient Care Categories		D	E	N	Patient Care Categories		D	E	N
Discharge Plan	Evaluate need for special Discharge Planning. Referral to Discharge Planning / Social Services if appropriate				Nutrition <i>oh</i>	* Clear liquids and advance diet to 2 gm Na low chol diet, or: _____			
						% of diet consumed: Breakfast _____ % Lunch _____ % Dinner _____ %			

INTERVENTIONS (continued)

Patient Care Categories	POD #3 Date: _____	D	E	N	Patient Care Categories		D	E	N
Assessment & Treatments	* VS, Hemodynamic monitoring, assessments, I/O, chest tube management and invasive line care & wound care as per unit standard				Teaching & Psychosocial	Assess patient / family satisfaction.			
	Daily weight					Encourage verbalization of fears / concerns.			
	* Wean cardiac infusions (see flow sheet)					Reinforce cough and deep breathing / Incentive Spirometry. Explain activity progression and pain management.			
	* D/C Dual lumen Catherter and KVO infusion and insert peripheral line.					Explain unit environment & equipment as needed.			
	* D/C swan					Explain step-down unit environment.			
	* D/C Aline				Specimens & Diagnostics	Lab / diagnostics results reviewed; MD notified if indicated.			
	* Cap pacing wires if rhythm stable > 24 hrs.					* Tests / Procedures			
	* D/C chest tubes. Time: _____ Occlusive dressing x 24 hrs. Obtain CXR after removal of pleural chest tubes.								
	* D/C Foley, call MD if no void in 8 hrs. Removal time: _____								
	* Transfer to 4 West								
	* Pulmonary toilet as per unit standard. Respiratory support (see flow sheet). Assess need for additional respiratory care.					* CBC, SMA7, PT, PTT, 12 lead ECG in a.m.			
	Incentive spirometry q 1 hr. while awake.					* BS monitoring as ordered:			
						PT / INR if on coumadin			
						PTT if on heparin			
						Consider need for CXR			
				Safety & Activity	Falls protocol maintained.				
					* Assist with turning and bathing as needed.				
					* After dangling, OOB to chair x 2 (keep feet elevated as much as possible).				
					Ambulate in room with assistance 50-100 feet.				
	Hygiene & Comfort Protocol								
	Peripheral IV Therapy Protocol								
	Pressure Ulcer Prevention Protocol								

<i>Signature</i>	<i>Title</i>	<i>Initial</i>
SIGNATURE REQUIRING CO-SIGNATURE		
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Problem/Needs	POD #4 Date:	D	E	N	Problem/Needs		D	E	N
Knowledge Deficit related to plan of care	Patient/family verbalizes understanding of anticipated plan of care and participates in decision making.				Mobility	Transfer to 4 West			
	Discharge Planning / Social Services following patient.					Performs ADL's with minimal assist.			
						Tolerates ambulating 100 ft. with assistance TID.			
	Pain Management	Pain free or verbalizes pain relief after intervention.				Fluid and Electrolytes	Urinary Output > 720 cc / 24 hrs.		
					Tolerating 25-50% of diet.				
							Labs within therapeutic range		
Decreased Tissue Perfusion	Stable rhythm								
	Hemodynamics stable								
	Pacing wires removed								
Potential for Infection	Central lines discontinued.				Patient Safety	Remains injury free in a safe environment.			
	Glucose < 200								
	Afebrile				Skin Integrity	No evidence of skin breakdown.			
	Wounds without redness, decreasing drainage.								
Impaired Gas Exchange	Lungs clear				Patient/Family Satisfaction	Patient/family verbalizes satisfaction with hospital stay/care.			
	Denies SOB								
	O ₂ needed for activity only								
	Incentive Spirometry > 1000cc or								

Patient Care Categories		D	E	N	Patient Care Categories		D	E	N
Discharge Plan	Evaluate need for special Discharge Planning. Referral to Discharge Planning / Social Services if appropriate				Nutrition	* Advance to 2gm <u>NA</u> low chol diet, or:			
				% of diet consumed:					
				Breakfast _____%					
				Lunch _____%					
					Dinner _____%				

INTERVENTIONS (continued)

Patient Care Categories	POD #4 Date: _____	D	E	N	Patient Care Categories		D	E	N
Assessment & Treatments	* VS, assessments, I/O, chest tube management, invasive line care and wound care as per unit standard.				Teaching & Psychosocial	Assess patient / family satisfaction.			
	Daily weight					Encourage verbalization of fears / concerns.			
						Appropriate referrals as needed			
	* D/C chest tubes. Time: _____ Occlusive dressing x 24 hrs. Obtain CXR after removal of pleural chest tubes.					Attend cardiac surgery discharge class			
	* D/C Foley, call MD if no void in 8 hrs. Removal time: _____					Learning needs / teaching plan: - Incision Care - Cough / deep breathing - S/S of infection - Incentive Spirometry - Medications - Activity progression / restrictions - When to call MD - Pulse taking - Modifiable risk factors - Pain Management - Other: _____			
	* Cap pacing wires if rhythm stable >24 hrs Consider Pacing Wire removal.								
	* Pulmonary toilet as per unit standard. Respiratory support (see flow sheet). Assess need for additional respiratory care.								
	Assess need for O ₂ /pulse oximetry PRN								
	Incentive spirometry q 1 hr. while awake.								
						Specimens & Diagnostics	Lab / diagnostics results reviewed; MD notified if indicated		
					* Tests / Procedures				
					* CBC, SMA7, PT, PTT, 12 lead ECG in a.m.				
				* BS monitoring as ordered:					
				PT / INR if on coumadin					
				PTT if on heparin					
				Safety & Activity	Falls protocol maintained.				
					* OOB TID; keep feet elevated at all times when OOB. Ambulate 100-150 ft. TID with assistance.				
					All alarms and parameters set. Call bell within reach.				
	Hygiene & Comfort Protocol								
	Peripheral IV Therapy Protocol								
	Pressure Ulcer Prevention Protocol								