Medical Center

**CLINICAL PATHWAY:** 

Cardiac Catheterization/Interventional Cardiology

Cardiac Cath Lab

FALENT IDENTIFICATION - Stormp (Accordated)

Date:	PREPROCEDURE	VARIANCE NOTES
]	ISOLATION O NO O YES TYPE:	(DATE, TIME, AND INITIALS)
UNIT	O Cath Lab Admitting Area O 8W O PCU O CCU O Other:	
TESTS	Report on chart or in Patient Plus for (if not obtain): O PT/PTT O CBC O G3 O ECG O Serum HCG, if premenopausal female (order stat if not on chart) Date of labs (Notity NP/MD for glucose >250<100 to obtain insufin orders)	
ASSESSMENT	O Pre-procedure Assessment Height: Weight: O Baseline vitals BP: Temp: HR: Resp: POX: O H/O contrast dye allergy Yes No Pre-meds given: O Allergies: NKDA Yes _List and type of reaction:	
	O Last menstrual period:Palp:Palp:	
TREATMENTS	O 20G jelco PATENT, not in ACS O IVF as per physician order	
MEDS	O Soluble aspirin 325 mg po (unless hx anaphylactic reaction) O Note any hypoglycemics taken: O Dye prophylaxis protocol with allergy O Metformin stopped 24 hours before procedure O Warfarin stopped 3-4 days prior to procedure O Hold diuretics	
DIET	O NPO No Yes, Since	
ACTIVITY	O As ordered	
PATIENT/ FAMILY EDUCATION	O Health Problems related to admission: Notify staff if have chest discomfort/pressure, prepare for cath lab procedures, activity restrictions post-procedure, provide teaching materials, direct family to waiting area in 3 Gudetsky  O Medications: Discuss plan for sectation & pain management, ASA status  O Medical Equipment/Rehab/Community Resources: N/A  O Diet/Food/Drug interactions: NPO after midnight except medications.	
OUTCOMES	O VS stable, afebrile, OR O Physician notified for 50 <p>120; 90<s8p>180; 50<dbp>100 O Lab results within normal limits, if not document abnormal results &amp; notify Cath Lab O Verbalizes anxiety or concerns O Patient verbalizes understanding of: Procedure, rationale, post-procedure routine, expected LOS, expected outcomes, &amp; possible adverse outcomes O Properly dressed (gown on, underwear off) O ID band correct &amp; in place O Consent signed &amp; witnessed, or O Notify Cath Lab staff if not on chart O H&amp;P by NP/MD, or O Notify Cath Lab staff if not on chart</dbp></s8p></p>	
DAILY EVALUATION	Critical Functions Done O: YESNO  Patient Outcomes Met O: YESNO  (If not, document in variance notes)  If not, document in variance notes is the case-type including resource utilization and outcomes. Each pariets will have variations from	Date, Time, Signature

Patient Name:		Medical Rec. No.:		
SAME DAY AREA PRE-PROCEDURE CHECKLIST				
ADVANCE DIRECTIVES TYES TO FOR HEALT	NO IF YES, SPECIFY TH CARE   OTHER [	☐ LIVING WILL	☐ DURAB≵E POWER OF	ATTORNEY
IV SITE: WITHOUT REDI	NESS/ EDEMA	CATH SIZE	SOLUTION	<del></del>
STARTED AT				
☐ AMBULATORY ☐ WITH FA	BELONGINGS: MILY STRETCHER	VALUAB	LES REMOVED/DISPOSIT	TION
PRIOR HOSPITALIZATIONS/PERTINE	NT MEDICAL HISTORY	//CHIEF COMPLA	NT:	
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		····		
CURRENT MEDS/DOSAGE/FREQUE	NCV/LAST TAKEN			
CONNENT MEDS/DOSAGE/FREGUE	NOT TAKEN.			
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ASSESSMENT/TIME	ļ ļ	ASSESSMENT/	TIME	į l
		VOIDING PROP	DEMES (V) (M)	
MENTAL STATUS (1)	j	VOIDING PROP	SEEMIS! (T) (N)	1
	7 (2)	CATUETED DE	OLUBERS (V) (N)	<del>                                     </del>
EXTREMITY MOVEMENT/SENSATION	(2)	CATHETEN NE	QUIRED? (Y) (N)	
	<del></del>	PAIN/LOCATIO	N.	<del></del>
EDEMA	)	PAIRILOCATIO	14	
JEART BUNTHM: /DVECULAR		PAIN SCORE 1	-10	
HEART RHYTHM: (R)EGULAR		TAIN COOLIG	-,0	
I)RREGULAR PULSES (3) DP: R/L	<del></del>	BOWEL SOUND	OS .	
PT: R/L		BEHAVIORAL F	RESPONSE (6)	
			,	
KIN INTEGRITY		THOUGHT PRO	CESSES (7)	
		]		
RESPIRATORY PATTERN (4)/		PLANS FOR SE	DATION:	
PULSE OX O2		DISCUSSED W	ITH PATIENT? (Y) (N)	
BREATH SOUNDS (5) R/L		SIGNATURE, IN	IITIALS, DATE AND TIME	

#### LEGENDS

- Mental Status: A=awake O=oriented D=disoriented I=inappropriate DR=drowsy U=unresponsive S=chemisedated
- 2. Movement: l=interact Paresis/Plegia: Q=quad P=para LH=left hemi AH=right hemi UE=upper extremity LE=lower extremity Sensation: T=tingling N=numb
- 3. Pulses: P=paipable D=doppler A=absent
- 4. Resp: R=regular S=shallow L=labored I=irregular
- 5. Breath Sounds: CL=clear CR=crackles W=wheezes D=decreased A=absent S≂stridor
- 6. Behavior: C=cooperative U=uncooperative A=anxious I=irritable
- 7. Thought Processes: A=appropriate C=confused P=paranoid D=delusional

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Cardiac Cath Lab

PATIENT DEMORRATION - Gramo reach shoot senamely.

	INTRA-PROCEDURE IN CARDIAC CATHETERIZATION LABORATORY	VARIANCE NOTES (DATE, TIME, AND INITIALS)
PROCEDURE	O PCI-TypeO Other ProcedureO Diagnostic Cath Physicians performing/precedure: Attending: Fellow: Date of Procedure: Time Procedure Started:	
TESTS	O Cardiac Catheterization O ACTs O IVUS O Flowire	
ASSESSMENT	O Lab results on chart O Continuous EKG monitoring O Continuous SaO2 monitoring O HR, RR, BP, level of consciousness & SaO2 documented O 15 minutes O Pain O 15 minutes as needed O & O O Anxiety Level O Ramsey Score O 15 minutes	
TREATMENTS	Pre-Procedure: O Assure both groins are scrubbed & shaved x1 O Assure patent IV access - 20G jeloon O 02 PRN to keep SaO2 > 94%: type used: O IVF per physician order Sheath size & site: Arterial	
MEDS	O Administer Conscious Sedation as per UMMS policy:  O Midazolam 0.5 mg - 2.0 mg fV as ordered:	
PATIENT/ FAMILY EDUCATION	O Health Problems related to admission: explain steps of preparation and procedure, (eg. sterile drapes, immobilization devices, SaO2) give ongoing feedback O Pain Management related to procedure O Medications/Diet/Food/Drug interactions: N/A O Medical equipment/devices/Rehab/Community resources: N/A	
DISCHARGE PLANNING	O Inform Heart Center/Cath Service of outcome to determine pt disposition O Give report to receiving unit: including sheath size, fluids, I&O, dye amount, meds administered, lab results (BUN, Creat, HCT), cath insertion site assessment, hemodynamic status. & progress on clinical pathway;  Name of RIN report given to:  Unit/Bed:	

### Sedation Score 0-6 (Ramsey score)

- 1 Anxious and agitated or restless or both 4 - Asleep, sluggish response
- 2 Cooperative, accepting ventilation, oriented and tranquil
- 5 Responds to painful stimulus

- 3 Asleep, brisk response 6 Unresponsive

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Patient Name:	THE CHOCK THE THE PARTY OF THE

## **FLOWSHEET**

INTAKE AND OUTPUT							
INTAKE TIME	FLUIDS	AMOUNT	TOTAL	OUTPUT	SOURCE	AMOUNT	TOTAL
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VARIANCE NOTES (DATE, TIME, AND INITIALS)

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CLINICAL Cardiac Ca		/Interventional	Cardiology

## Cardiac Cath Lab

Intraprocedure (continued)		FAUCIN BUCHTIME, COME.	áttany, chart sasot topotálicky)
EXPECTED OUTCOMES	□ Acknowledges & describes chest discorn □ Sa02 at pre-procedure baseline ○ Hemodynamically stable ○ No bleeding or hematoma at cath insertic ○ Pain level/Acceptable anxiety level ○ No nausea or vomiting ○ No allergic reaction ○ Post cath orders written ○ Last ACT= Time: Type of bed patient transferred to: ○ Telem ○ Floor ○ 8W Service: ○ CCU ○ PCU ○ Cath ○ Other:	on site	Time out of room  Date, Time, Signature
DAILY EVALUATION	Critical Functions Done O: YESNO Patient Outcomes Met □: YESNO		

			<u> </u>	RECOVE	RY SCORE			
	TIME	ACTIVITY	RESP/REFLEXES	CIRC	CONSCIOUSNESS	COLOR	TOTAL	INITIALS
BASELINE						_ "	Ī	
DISCH								

LEGE	END				
ACTI	VITY	RESP/REFLEXES	CIRCULATION	CONSCIQUENESS	COLOR
2=	ABLE TO MOVE 4 EXTREMITIES VOLUNTABLY OR TO COMMANDS	2-ABLE TO DEEP BREATH, COUIGH, SWALLOW FREELY, GAG REPLEX PRESENT	2- 8P 2004 OF PREAMESTHETIC LEVEL	> FULLY AWAKE	2≈ PRMK
1=	ABLE TO MOVE & EXTREMITIES VOLUMENTABLY OR TO COMMANDS	1-DYSPNEA OR LIMITED BREATIONS	1x BP ++ 20-longs OF PREAMESTHETIC LEVEL	SH AROUSABLE ON CALLING	1- PALE DUSKY, BLOTCHY, JALININGED, OTHER
()=	ABLE TO MOVE O EXTREMITIES VOLUMENTARRY OR TO COMMANDS	APMENT, LANGILE TO SMOLLOW, NO GAG MEPLEX	0- 8P ASM OF PREAMESTHETIC LEVEL	4- NOT RESPONDING .	0- CYAHOTIC

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Cardiac Cath Lab

PRIMARY CHATTETCATION - COMP (each more ancompany)

	POST PROCEDURE	VARIANCE NOTES
	Unit Date	(DATE, TIME, AND INITIALS)
PROCEDURE	O Dx Cath O PCI (Percutaneous Coronary Intervention) type:	
TESTS	O ACT's O EKG with M1 or complicated procedure O Re-check finger stick:	
ASSESSMENT	O VS, cath insertion site check & affected extremity check: q 15 x 4, q 30 x 4, q 1 x 2, then q 4 hours. Start immediately post procedure and post sheath removal.  O While manual compression being held to cath insertion site, check VS & peripheral pulses in affected extremity q 3 min & do bedside cardiac monitoring (RN to stay with patient the first 10 minutes with arterial sheath pull)  O Returned to baseline post sedation  O Void within 6 hours Time: Foliey inserted Time:	
TREATMENTS	O Sheaths removed @ (time) by O Compression method: manual compression for minutes until hemostasis then, Femostop applied @ by @ mmHg Femostop removed per policy @ by O Angioseal or Perclose deployment (time) O Pressure tubing if sheath > 6F and in place for > 6 hours	ACT before sheath removal:
MEDS	O Oxycodone 5 mg/acetaminophen 325 mg pm(1-2 q 4-6 hr PO) O Continue routine meds O Continue dye aflergy protocol pm O Continue lipid altering meds O Soluable Aspirin 325 mg po q d (unless hx anaphylactoid reaction) OR O Ticlopidine/Clopidogrel as ordered or if ASA allergic. O GP Ilb/Illa inhibitor (name of agent) stopped & O Fluids as ordered O Hold metformin 48 hours after procedure	
DIET	O Clear liquids until 1 hour after sheath removal then advance O Encourage po fluids	
ACTIVITY	For Manual Compression of Femoral arterial site (also includes use of femostop):  O For 4 hours after sheath pull or femostop removal; Strict bedrest on back, affected leg straight, HOB flat (may elevate HOB to 30-1 hour after sheath removed)  O If groin stable 4 hours after sheath removal; dangle for 15 minutes and them ambutate  Sheath removal with Angiosaal or Perclose: O Bedrest for two hours after sheath removal  For Brachial (Sones) access Site: O HOB elevated, BRP and restricted flexion of affected elbow x 2 hours O If post sheath removal bleeding or hematoma: Mandatory bedrest overnight	

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### Cardiac Cath Lab

PAYENT MENTERCATION - whom whom sheet you at the con-

PATIENT/ FAMILY EDUCATION	O Pain Management post procedures  O Personal hygiene: Site care  O Health Problems related to admission: Give risk factor education packet, the Health TV (channel 43), "Cholesterol and You", management of cath site educational material.  O Medications: carry a list of medications in wallet, explanation of post-procedure meds. (Plavix, Lovenox, etc.)  O Medical Equipment/devices: need to carry stent implant card always. Angioseal card for 90 days.  O Community resources/Rehab: Activity restrictions (no driving, extreme hop flexion, heavy lifting or exertion x 24 hrs.)  O Diet/Food/Drug interactions: Cardiac diet	
DISCHARGE PLANNING	O Determine need for home health care O Inform family of anticipated d/c date and time O Same Day discharge: Person responsible for pick-up:	
OUTCOMES	Date  Date  O Vital signs stable O Neuro vascular status stable O No significant hematoma (>5x5 cm or requiring surgical intervention)/ No bruit O No complications from sedation O Complaint with activity restrictions O Acceptable pain/anxiety level O No cardiac pain O Pt verbalizes understanding of activity plan and medical plan of care  Day II  Date  Vital signs stable Neuro vascular status stable to affected extremity No significant hematoma Acceptable pain/anxiety level No cardiac pain Pt verbalizes symptoms to report to M.D., medications (dose, purpose and side effects), risk factors for heart disease and activity restrictions prior to discharge.	Discharge date and time:
EVALUATION	Expected outcomes met? (shift/time/initials/signature) Yes No Yes No Yes No Yes No Yes No	

	Marking Dec Not
Patient Name:	Medical Rec. No.:
Padent Name:	

# **FLOWSHEET**

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1	м	T E M P	тогсъ	BP	0 2 STATS	DISTAL PULŠE	CATH SITE	PAIN SCORE/1-10 (VARIANCE NOTE W/PAIN)	SIGNATURE	
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CODE:	CODE: BL=BLEEDING BR=BRUIT E=ECCHYMOSIS H=HEMATOMA D=DRY & INTACT									