DR. PABLO O. TORRE MEMORIAL HOSPITAL

B.S. Aquino Drive,
Bacolod City,
Negros Occidental,
6100

Document Code:	DPOTMH-I-P05
	I-32-S01
Effective Date:	06-30-2022
Document Type:	Standard Operating Procedure
Page Number:	1 of 5
Department/Section:	Catheterization Laboratory
Document Title:	**ASSISTING IN CATHETERIZATION LABORATORY PROCEDURES**

PURPOSE:

To establish a standardized process in assisting the physician during catheterization laboratory procedures.

SCOPE:

Applies to all Catheterization Laboratory personnel of Dr. Pablo O. Torre Memorial Hospital

PERSON RESPONSIBLE:

Catheterization Laboratory Personnel

PROCEDURE:

Circulator/ Cardiovascular Medical Technologist (CV Med Tech):

1. Prepare the supplies for the procedure and follow physician's preference list.
2. Prepare the procedure room and maintain a room temperature 15-35°C.*
3. Prepare equipment and instruments needed for the procedure. Assure that equipment and machines are arranged appropriately for the procedure.
4. Prepare the sterile field and open sterile supplies/ instruments using aseptic technique.
5. Prepare the hemodynamic monitor and transducer (arterial pressure monitoring kit).
6. Position patient comfortably exposing the desired puncture site. Does the skin preparation and disinfection of planned puncture site.
7. Procure additional needed equipment and supplies during the procedure. Complete various reports needed for the physician and the patient's medical record after the procedure.

**Shall maintain room temperature as ordered by physician if different from standard.*

Unauthorized duplication of this document in any form is strictly prohibited.

Scrub Nurse:

1. Don a sterile surgical gown and gloves after proper surgical hand preparation.
2. Set up the sterile table and ensure sterility of procedure field. Prepare a local anesthesia, flushes all tubing, catheters, guide wires and other invasive equipment that may be used inside the circulatory system with a solution; 0.9% saline (parenteral) incorporated with heparin solution.
3. Assist the physician in donning a sterile surgical gown and gloves. Assist in draping, keeping the incision site sterile.
4. Withdraw the contrast media with a 50ml syringe. Connect the extension tubing and syringes to the stopcock manifold.
5. Stand at the table with the physician, assist on the instrumental side of the procedure and serve the following in order, but not limited to:
   - 5.1. Local anesthesia
   - 5.2. Needle
   - 5.3. Surgical blade
   - 5.4. Sheath
   - 5.5. Guide wire
   - 5.6. Catheter
   - 5.7. Assembled stopcock manifold (see Annex)
   - 5.8. Other instruments needed for the procedure
6. Assist the physician during removal of catheter while ensuring the sterility of materials.
7. Prepare the pressure dressing. Assists the physician for the removal of sheath and application of pressure dressing.
8. In the event that the sheath is not to be removed immediately after the procedure, scrub person should clean the area with saline, dries, and assist the physician in covering it with sterile gauze.
9. Scrub person should discard all used materials to a designated waste bin. Endorse instruments to Sterilization and Reprocessing Unit for cleaning process.

Unauthorized duplication of this document in any form is strictly prohibited.

Radiologic Technologist

1. Warm up the fluoroscopy machine and prepare other related equipment for the procedure.
2. Ensure that all in-charge personnel and physician wears complete radiation protective equipment before doing a fluoroscopy procedure.
3. Operate the angiography/ fluoroscopy machine by doing the different panning techniques, guide the physician in advancing the catheter to the target site using a contrast media and makes x-ray system changes as needed.
4. After the procedure, document the fluoroscopy exposure time, total contrast media administered, total radiation dose of the patient and other necessary data.
5. Secure the official results of the procedure.

REFERENCES:

1. *The IAC Standards and Guidelines for Cardiovascular Catheterization Accreditation.* (2018). *Part B: Process Section 1B: Procedures and Protocols, page 34.* IAC | Improving Health Care ThroughAccreditation®.https://www.intersocietal.org/cath/standards/IACCardiovascularCatheterizationStandards2018.pdf
2. *Preparing a patient for cardiac catheterization: Nursing2021.* (n.d.). LWW. https://journals.lww.com/nursing/Fulltext/2011/10001/Preparing_a_patient_for_cardiac_catheterization.4.aspx
3. England,N. (n.d.).*NHS England » decade of improved outcomes for patients thanks to surgical safety checklist.* https://www.england.nhs.uk/2019/01/surgical-safety-checklist/
4. *About WHO.* (n.d.). WHO | World HealthOrganization.https://www.who.int/about
5. *Aortic pressure.* (2009, March 1). Wikipedia, the free encyclopedia. Retrieved October15, 2021, from https://en.wikipedia.org/wiki/Aortic_pressure
6. *Left ventricular end-diastolic pressure (Concept id: C0456190) - MedGen - NCBI.* (n.d.). National Center for Biotechnology Information. https://www.ncbi.nlm.nih.gov/medgen/629062

Unauthorized duplication of this document in any form is strictly prohibited.

DR. PABLO O. TORRE MEMORIAL HOSPITAL B.S. Aquino Drive, Bacolod City, Negros Occidental, 6100	Document Code:	DPOTMH-I-P05
		I-32-S01
	Effective Date:	06-30-2022
	Document Type:	Standard Operating Procedure
	Page Number:	4 of 5
	Department/Section:	Catheterization Laboratory
	Document Title:	**ASSISTING IN CATHETERIZATION LABORATORY PROCEDURES**

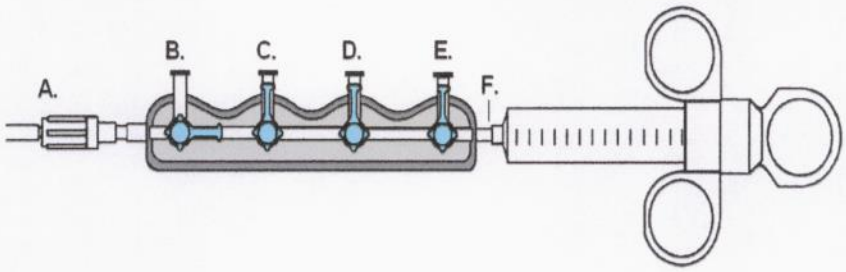
APPROVAL:

	Name/Title	Signature	Date
Prepared by:	**KATHLEEN HOPE J. MALINAO, RN** Catheterization Laboratory Head Nurse		7/7/22
Verified:	**RICHARD S. MONTILIJAO, RN** OIC Policy Development		7/7/22
	MARIA AGNES A. SARIEGO, RN, MN, FPCHA Surgical Complex Manager		7/2/22
	SHALAINE SOCORO L. DURAN, RN Nurse Manager for Operations		7/7/2022
	HANNAH KHAY S. TREYES, RN, MN Chief Nurse		07/07/2022
Reviewed by:	**DENNIS C. ESCALONA, MN, FPCHA, FPSQua** Quality Assurance Supervisor		07/07/2022
Recommending Approval:	**MARIA LIZA C. PERAREN, RN, MAN** Nursing Services Division Officer		7/7/22
	FREDERIC IVAN L. TING, MD OIC- Total Quality Division		7/5/22
	MA. ANTONIA S. GENSOLI, MD, FPPS, FPCHA Vice President- Chief Medical Officer		7-8-22
Approved:	**GENESIS GOLDI D. GOLINGAN** President and CEO		7/14/22

Unauthorized duplication of this document in any form is strictly prohibited.

ANNEX:

Stopcock Manifold Port Designation



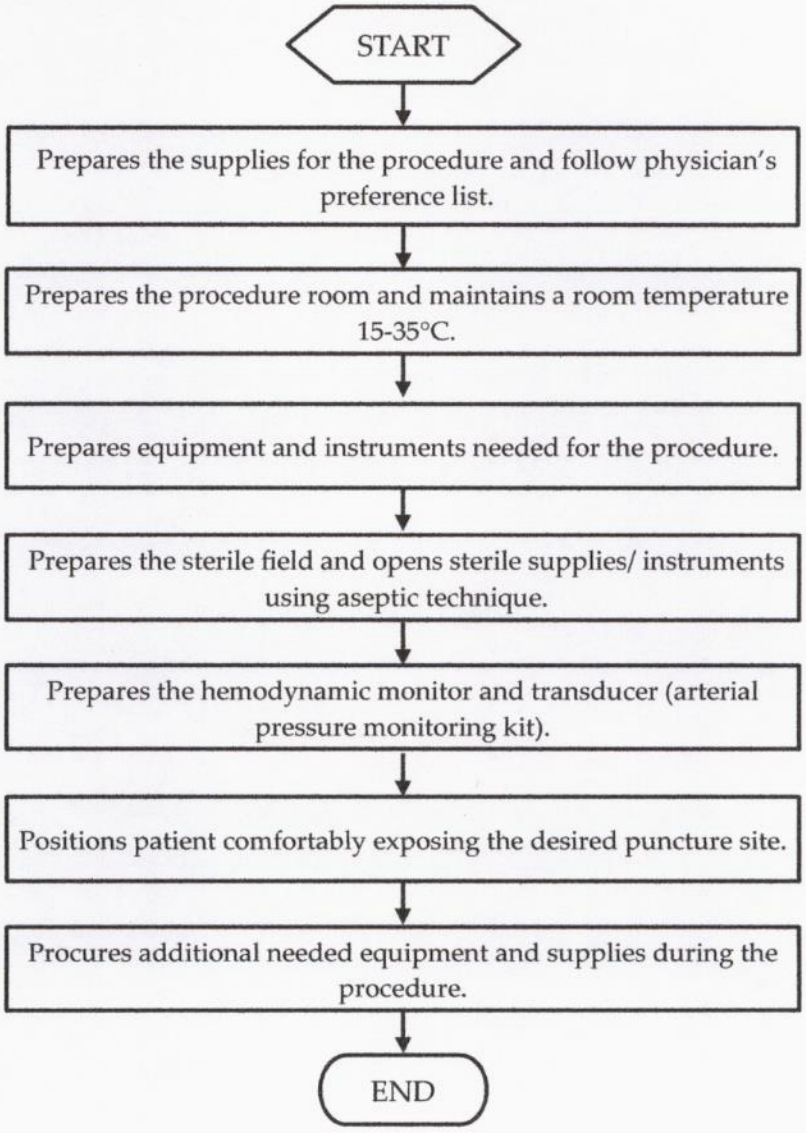
A. **Catheter**- connected to manifold with a rotating tip to allow torqueing of the catheter while keeping the manifold stable.
B. **Transducer port-** connected to a transducer for hemodynamic monitoring
C. **Flush port-** connected to heparinized flush to flush the manifold and catheter
D. **Contrast port**- connected to contrast for administration.
E. **Waste port**- connected to a waste bag to discard blood and flush after catheter aspirations.
F. **Syringe port-** connected to syringe for aspirating, flushing and administering contrast through the manifold and catheter.

Unauthorized duplication of this document in any form is strictly prohibited.

DR. PABLO O. TORRE MEMORIAL HOSPITAL
B.S. Aquino Drive, Bacolod City, Negros Occidental, 6100

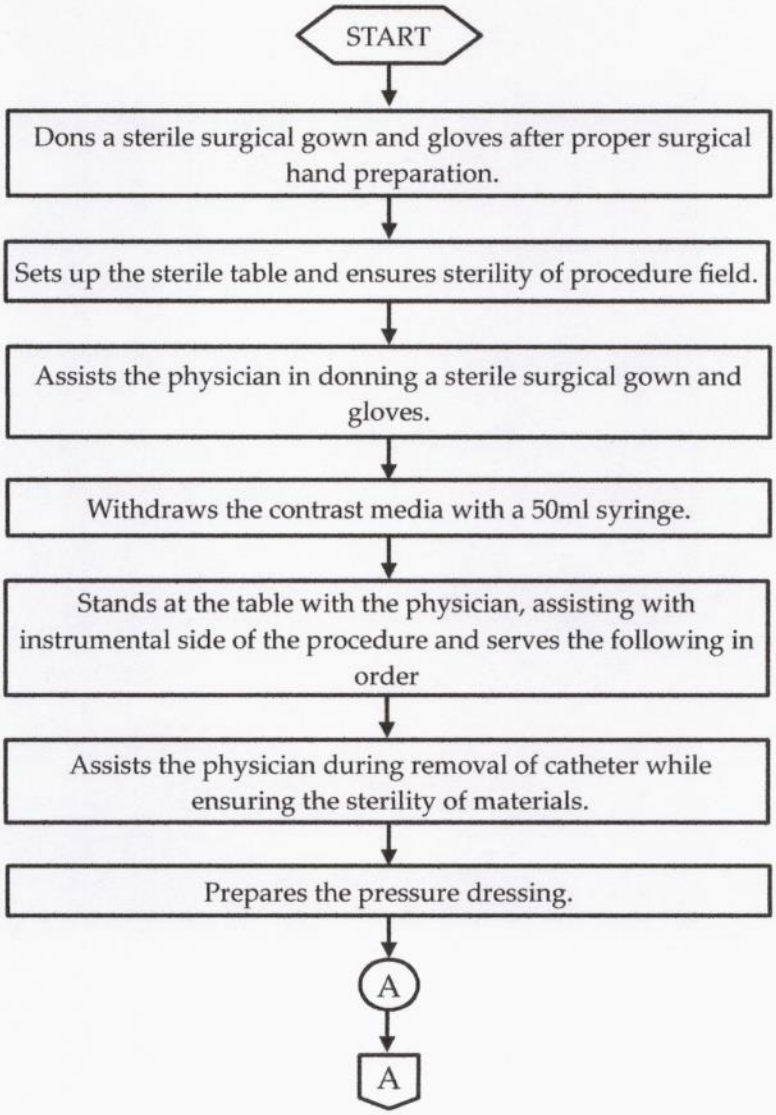
Document Code:	DPOTMH-I-P05
	I-32-FC01
Effective Date:	06-30-2022
Document Type:	Flowchart
Page Number:	1 of 5
Department/Section:	Catheterization Laboratory
Document Title:	**ASSISTING IN CATHETERIZATION LABORATORY PROCEDURES**

FLOWCHART: For CV Med Tech

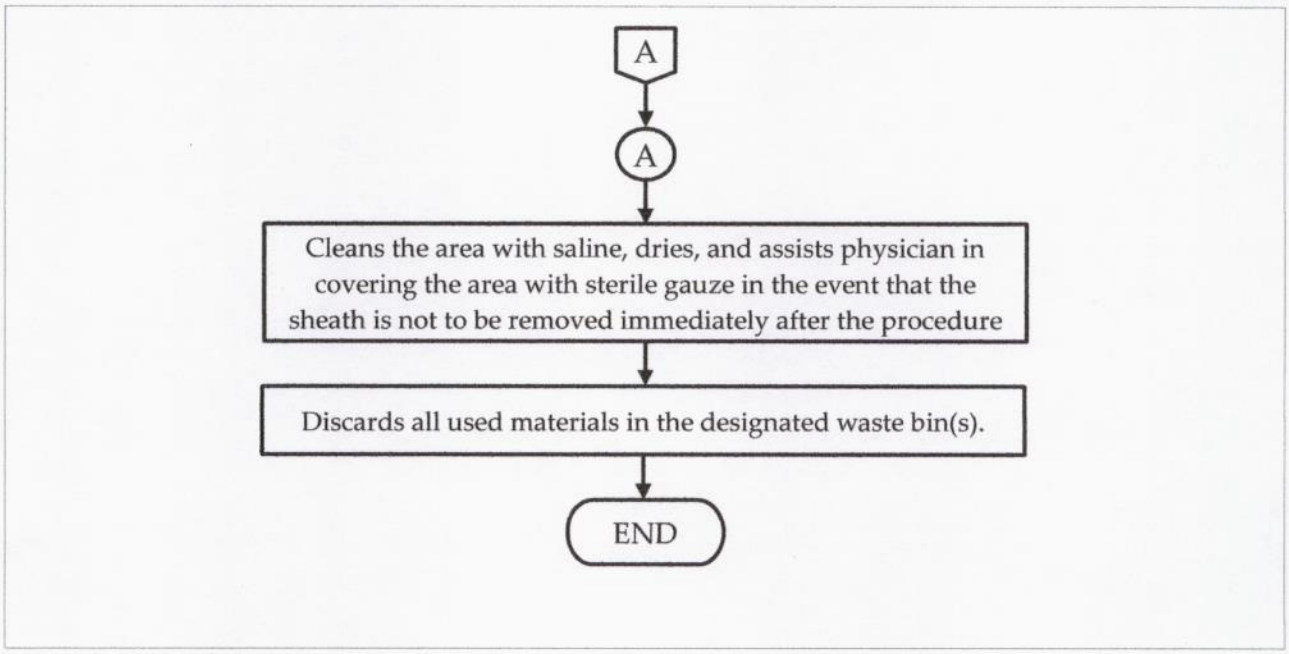


Unauthorized duplication of this document in any form is strictly prohibited.

FLOWCHART: Scrub Nurse

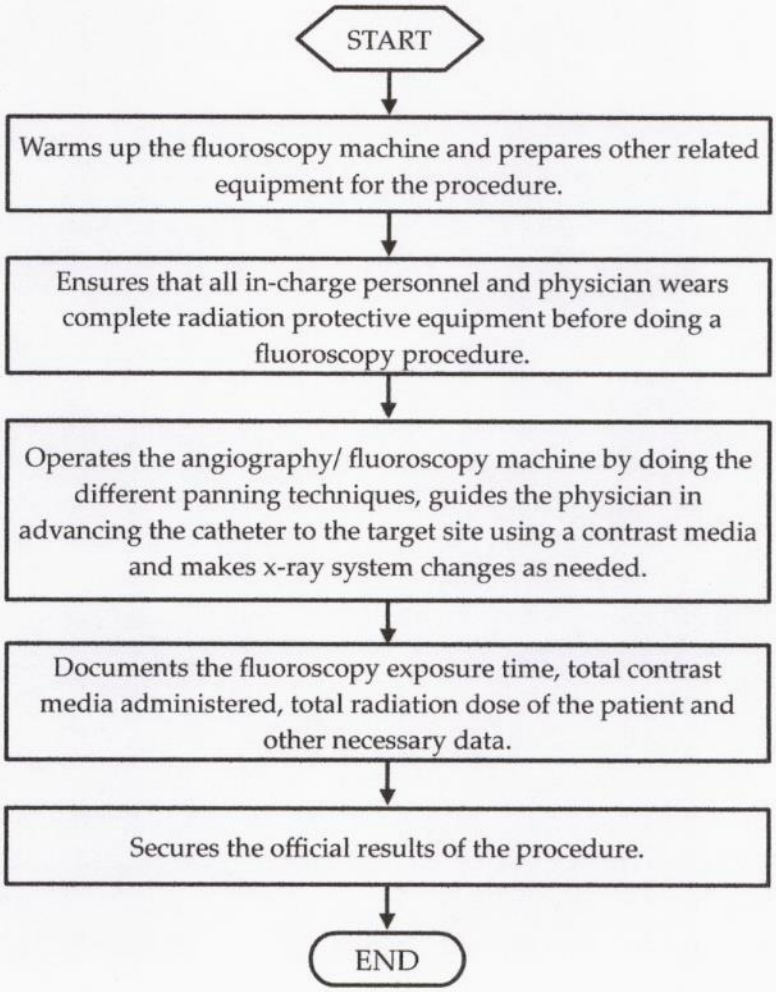


Unauthorized duplication of this document in any form is strictly prohibited.



Unauthorized duplication of this document in any form is strictly prohibited.

FLOWCHART: Radiologic Technologist



Unauthorized duplication of this document in any form is strictly prohibited.

APPROVAL:

	Name/Title	Signature	Date
Prepared by:	**KATHLEEN HOPE J. MALINAO, RN** Catheterization Laboratory Head Nurse		7/7/22
Verified:	**RICHARD S. MONTILIJAO, RN** OIC Policy Development		7/7/22
	MARIA AGNES A. SARIEGO, RN, MN, FPCHA Surgical Complex Manager		7/7/22
	SHALAINE SOCORO L. DURAN, RN Nurse Manager for Operations		7/7/2022
	HANNAH KHAY S. TREYES, RN, MN Chief Nurse		07/07/2022
Reviewed by:	**DENNIS C. ESCALONA, MN, FPCHA, FPSQua** Quality Assurance Supervisor		07/07/2022
Recommending Approval:	**MARIA LIZA C. PERAREN, RN, MAN** Nursing Services Division Officer		7/7/22
	FREDERIC IVAN L. TING, MD OIC- Total Quality Division		7/8/22
	MA. ANTONIA S. GENSOLI, MD, FPPS, FPCHA Vice President- Chief Medical Officer		7.8.22
Approved:	**GENESIS GOLDI D. GOLINGAN** President and CEO		7/14/22

Unauthorized duplication of this document in any form is strictly prohibited.

KEY TASKS	PERSON RESPONSIBLE
1. Prepares the supplies and physician preference list.	Circulator/ Cardiovascular Medical Technologist
2. Prepares the procedure room and maintains a room temperature of 15-35°C or as ordered by physician.	
3. Assures that equipment and machines are arranged appropriately for the procedure.	
4. Prepares the sterile field and opens sterile supplies/ instruments.	
5. Prepares the hemodynamic monitor and transducer.	
6. Positions patient comfortably exposing the desired puncture site.	
7. Procures additional needed equipment and supplies during the procedure.	
8. Dons a sterile surgical gown and gloves after proper surgical hand preparation.	Scrub Nurse
9. Sets up the sterile table and ensures sterility of procedure field.	
10. Assists the physician in donning a sterile surgical gown and gloves.	
11. Withdraws the contrast media with a 50ml syringe.	
12. Stands at the table with the physician, assisting with instrumental side of the procedure	

Unauthorized duplication of this document in any form is strictly prohibited.

13. Assists the physician during removal of catheter.	Scrub Nurse
14. Prepares the pressure dressing.	
15. Cleans the area after the procedure with saline, dries, and assists physician in covering with sterile gauze.	
16. Discards all used materials to the designated waste bin. Endorses instruments to Sterilization and Reprocessing Section for cleaning process.	
17. Warms up the fluoroscopy machine and prepares other related equipment.	Radiologic Technologist
18. Ensures that all in-charge personnel and physician appropriately wears complete radiation protective equipment	
19. Operates the angiography/ fluoroscopy machine by doing the different panning techniques.	
20. Secures the official results of the procedure.	

Unauthorized duplication of this document in any form is strictly prohibited.

APPROVAL:

	Name/Title	Signature	Date
Prepared by:	**KATHLEEN HOPE J. MALINAO, RN** Catheterization Laboratory Head Nurse		7/2/22
Verified:	**RICHARD S. MONTILIJAO, RN** OIC Policy Development		7/7/22
	MARIA AGNES A. SARIEGO, RN, MN, FPCHA Surgical Complex Manager		7/7/22
	SHALAINE SOCORO L. DURAN, RN Nurse Manager for Operations		7/7/2022
	HANNAH KHAY S. TREYES, RN, MN Chief Nurse		07/07/2022
Reviewed by:	**DENNIS C. ESCALONA, MN, FPCHA, FPSQua** Quality Assurance Supervisor		07/07/2022
Recommending Approval:	**MARIA LIZA C. PERAREN, RN, MAN** Nursing Services Division Officer		7/7/22
	FREDERIC IVAN L. TING, MD OIC- Total Quality Division		7/8/22
	MA. ANTONIA S. GENSOLI, MD, FPPS, FPCHA Vice President- Chief Medical Officer		7.8.22
Approved:	**GENESIS GOLDI D. GOLINGAN** President and CEO		7/14/22

Unauthorized duplication of this document in any form is strictly prohibited.