ACTIVE LEARNING TEMPLATE: # Therapeutic Procedure

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PROCEDURE NAME Cardiac Catheterization REVIEW MODULE CHAPTER 28

Description of Procedure

During a cardiac catheterization, a catheter is inserted into a femoral, brachial, or radial blood vessel and is threaded it into the heart. Blockages can be identified and stents can be placed during this procedure.

Indications

Unstable angina
ECG changes (T wave inversion, ST segment elevation, depression).
Heart disease

Outcomes/Evaluation

Normalizing cardiac rhythm/ECG, stable VS, normal PV/cardiac assess, no CP/SOB/bleeding, SpO2 shows good perfusion, no evidence of complications

CONSIDERATIONS

Nursing Interventions (pre, intra, post)

Pre: Patient NPO, VS, cardiac/PV assessment, consent verification, renal panel assessment for contrast, medications as ordered.
Intra: Give sedatives and analgesics as ordered, monitor VS and cardiac rhythm, prepare for arrhythmias, have code supplies ready.
Post: VS/site assess (q15minx4, q30minx2, q1hrx4, q4hr), extremity straight & pt supine, cardiac monitoring, antiplatelets/thrombolytics as ordered, anxiolytics/analgesics PRN, strict I/O, IV fluids

Client Education

Pre: inform about sedation, educate about site and sensations, educate about keeping extremity straight
Post: leave dressing in place 24hr, no intense exercise for rx time, report bleeding/CP/SOB/changes in temp or color of extremity, no lifting more than 10lb/bending at waist/straining for 24hr

Potential Complications

Artery dissection
Cardiac tamponade

Hematoma

External bleeding

Embolism

Restenosis

Retroperitoneal bleeding

Nursing Interventions

AD/CT: Notify MD, IV fluids, CXR, pericardiocentesis set up, monitor VS/rhythm, monitor for SOB/O2 PRN

Hem: PV assess, monitor site, pressure on site, notify MD

Ex. bleed: pressure, monitor site, keep extremity straight

Embolism: Monitor VS/O2, monitor for CP

Restenosis: monitor rhythm/CP, notify MD, prepare for cath lab

Retro: Assess GI/GI/flank pain, VS assess for hypotension, notify MD, hold pressure, Iv fluids/blood PRN