

Nursing

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[X] Weigh patient	STAT, Once For 1 Occurrences Weigh patient if baseline measured weight not in medical record. Notify pharmacist if patient cannot be weighed.
[X] Notify pharmacist (Impella)	Routine, Until discontinued, Starting S, -Notify pharmacist if a physician writes heparin orders. Heparin dose or infusion changes to be made by pharmacist only. -Notify pharmacist if compatibility with other IV drugs or if IV access is a concern. -Notify pharmacist IMMEDIATELY if the patient transfers or has an off unit procedure. -Notify pharmacist IMMEDIATELY if heparin infusion is stopped for any reason. -Notify pharmacist if patient cannot be weighed.
[X] Notify pharmacist and physician (Impella)	Routine, Until discontinued, Starting S, -Notify pharmacist and physician if Platelet count less than 150,000 microliter or a 50% drop from baseline or hematoma, bleeding or suspected bleeding occurs.
[X] Heparin instructions (Impella)	Routine, Until discontinued, Starting S -Document: Hourly purge flow rates, purge heparin concentration, and purge dextrose concentration. -Do not interrupt heparin infusion unless ordered. -Notify pharmacist regarding compatibility with other IV drugs if access is a concern. -Notify pharmacist immediately if heparin infusion is stopped for any reason.

Medications

Impella Device Purge (Single Response)

Initiation:

Standard Purge: HEParin 25,000 units/500mL in D5W (50 units/mL)

Repeat aPTT Result

Low aPTT Therapeutic aPTT High PTT

ADD

Supplemental Non-Purge: HEParin 25,000 unit/500mL (50 units/mL)

No change continue monitoring CHANGE to Alternate Purge:

HEParin 12,500 units/500mL in D5W (25 units/mL)

Repeat aPTT Result

Low aPTT Therapeutic aPTT High aPTT

ADD

Supplemental Non-Purge: HEParin 25,000 unit/500mL (50 units/hr)

No change continue monitoring CHANGE to Alternate Purge:

Heparin 6,250 units/500mL D5W (12.5units/mL)

Repeat aPTT Result

Low aPTT Therapeutic aPTT High aPTT

ADD

Supplemental Non-Purge: HEParin 25,000 unit/500mL (50 units/hr)

No change continue monitoring Consult physician

Consider switching to sodium bicarbonate purge solution and titration with supplemental non-purge heparin

(X) Standard Purge: HEParin 25,000 units/500 mL in D5W (50 units/mL)	25,000 Units, Impella, continuous -Rate is automatically adjusted by Impella Device to maintain adequate purge pressure. -Document: Hourly purge flow rates, purge heparin concentration, and purge dextrose concentration. -Do not interrupt heparin infusion unless ordered. -Notify pharmacist immediately if heparin infusion is stopped for any reason.
() ALTERNATE Purge: HEParin 12,500 units/500 mL in D5W (25 units/mL)	12,500 Units, Impella, continuous -Rate is automatically adjusted by Impella Device to maintain adequate purge pressure. -Document: Hourly purge flow rates, purge heparin concentration, and purge dextrose concentration. -Do not interrupt heparin infusion unless ordered. -Notify pharmacist immediately if heparin infusion is stopped for any reason.
() ALTERNATE Purge: HEParin 6,250 units/500 mL in D5W (12.5 units/mL)	6,250 Units, Impella, continuous -Rate is automatically adjusted by Impella Device to maintain adequate purge pressure. -Document: Hourly purge flow rates, purge heparin concentration, and purge dextrose concentration. -Do not interrupt heparin infusion unless ordered. -Notify pharmacist immediately if heparin infusion is stopped for any reason.
() Heparin Free Purge Solutions (Single Response)	

<input type="checkbox"/> Heparin Free purge - dextrose 5% infusion	1 mL/hr, Impella, continuous -Rate is automatically adjusted by Impella Device to maintain adequate purge pressure. -Document: Hourly purge flow rates and purge dextrose concentration. -Do not interrupt infusion unless ordered.
<input type="checkbox"/> Heparin Free purge - sodium bicarbonate 25 mEq/1000 mL in D5W	25 mEq, Impella, continuous -Rate is automatically adjusted by Impella Device to maintain adequate purge pressure. -Document: Hourly purge flow rates and purge dextrose concentration. -Do not interrupt infusion unless ordered.

Supplemental Non-Purge Heparin

<input type="checkbox"/> Supplemental Non-Purge: HEParin 25,000 unit/500 mL (50 unit/mL)	intravenous Begin when PTT sub-therapeutic on Impella Device Purge Heparin alone. Heparin Indication: Impella Therapeutic Monitoring Target: PTT - 60 - 80 sec
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Labs

Labs-Initiation

<input type="checkbox"/> Partial thromboplastin time	STAT For 1 Occurrences Draw blood for PTT/ Anti Xa UFH from arm that does not have heparin infusion. If there is no other access than the heparin line, stop the heparin for 10 minutes, flush the line, aspirate 10 mL of blood to waste, obtain sample, and reflush the line after drawing specimen.
<input type="checkbox"/> Prothrombin time with INR	STAT For 1 Occurrences Do not draw blood from the arm that has heparin infusion. Do not draw from heparin flushed lines.
<input type="checkbox"/> CBC hemogram	STAT For 1 Occurrences Do not draw blood from the arm that has heparin infusion. Do not draw from heparin flushed lines.

Labs-Continuing

<input checked="" type="checkbox"/> CBC hemogram	Daily, Starting S+1 For 3 Occurrences Daily while on heparin. Do not draw blood from the arm that has heparin infusion. Do not draw from heparin flushed lines.
<input checked="" type="checkbox"/> Partial thromboplastin time	Every 4 hours, Starting H+4 Hours For 1 Occurrences Draw 4 hours after initiation of heparin infusion. Draw blood for PTT/ Anti Xa UFH from arm that does not have heparin infusion. If there is no other access than the heparin line, stop the heparin for 10 minutes, flush the line, aspirate 10 mL of blood to waste, obtain sample, and reflush the line after drawing specimen.