

CARDIO PROTOCOL DOBUTAMINE ECHO FOR AORTIC STENOSIS

PHYSICIAN ORDERS

Diagnosis _____

Weight _____

Allergies _____

Place an "X" in the Orders column to designate orders of choice AND an "x" in the specific order detail box(es) where applicable.

ORDER ORDER DETAILS

Patient Care

Dobutamine Echo for Aortic Stenosis Prot (Dobutamine Echo for Aortic Stenosis Protocol)

See Reference Text

Insert Peripheral Line

T;N, Routine, 22g or larger

Obtain Consent

Consent for: Dobutamine Echo

Vital Signs

Per Policy

sulfur hexafluoride (Lumason)

T;N, 0.5 mL, IVPush, inj, as needed, PRN for image enhancement.

The test may be stopped at the discretion of the physician in the event of:

* Positive test by echo criteria:

****An increase in effective AVA to a final valve area greater than 1 cm² suggests that stenosis is

****Severe stenosis is suggested by an AS jet velocity greater than or equal to 4 m/s or a mean

30-40 mmHg provided that the AVA does not exceed 1.0 cm² at any

****Absence of contractile reserve (failure to increase SV by more than 20%) is a predictor of a

mortality and poor long-term outcome although valve replacement may improve LV function and outcome even in this subgroup.

* Heart rate rises 10-20 bpm over baseline or exceeds 100 bpm

* Any ST elevation/depression or ischemia

* Chest Pain

* Uncontrolled Hypertension (blood pressure greater than or equal to 250/116 mmHg)

* Abnormal Rhythm such as heart blocks, V-tach, etc.

IV Solutions

NS

IV, 40 mL/hr KVO

Medications

Medication sentences are per dose. You will need to calculate a total daily dose if needed.

DOBUTamine 250 mg/250 mL D5W for dob ech (DOBUTamine 250 mg/250 mL D5W for dob echo for AS- Titratable)

IV, Max dose: 20 mcg/kg/min, Up titrate by 2.5 mcg/kg/min every 3 minutes, Titrate until positive test by echo criteria, patient's heart rate rises 20 bpm over baseline or exceeds 100 bpm, or until max dose of dobutamine is given.

Stage 1: dobutamine 2.5 mcg/kg/min IV x3min

Stage 2: dobutamine 5 mcg/kg/min IV x3min

Stage 3: dobutamine 7.5 mcg/kg/min IV x3min

Stage 4: dobutamine 10 mcg/kg/min IV x3min

Stage 5: dobutamine 12.5 mcg/kg/min IV x3min

Stage 6: dobutamine 15 mcg/kg/min IV x3min

Stage 7: dobutamine 17.5 mcg/kg/min IV x3min

Stage 8: dobutamine 20 mcg/kg/min IV x3min

Titrate until positive test by echo criteria, patient's heart rate rises 20 bpm over baseline or exceeds 100 bpm, or until max dose of dobutamine is given.

TO Read Back
 Max dose of dobutamine is 20 mcg/kg/min
 Continued on next page....

Scanned Powerchart

Scanned PharmScan

Order Taken by Signature: _____ Date _____ Time _____

Physician Signature: _____ Date _____ Time _____



UMC Health System

Patient Label Here

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PHYSICIAN ORDERS

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ORDER	ORDER DETAILS
<input type="checkbox"/>	Start at rate: _____ mcg/kg/min

TO Read Back

Scanned Powerchart

Scanned PharmScan

Order Taken by Signature: _____ Date _____ Time _____

Physician Signature: _____ Date _____ Time _____

