

HNE AREA Intensive Care

Approved For: JHH and CMN ICU's and JHH HDU

GLYCERAL TRINITRATE ward

Trade Name: Tridil

Presentation:

Indications: The principle action of GTN is the relaxation of vascular smooth muscle causing vasodilatation of both the arterial and venous beds. Venous dilatation including the large veins promotes peripheral pooling of blood and decreases venous return, LVED. GTN causes arterial dilatation reducing systemic vascular resistance and arterial pressure.

Indications: Acute Myocardial Infarction, Unstable angina, Acute pulmonary oedema, CCF associated with AMI, Hypertension control

Administration: Add 50mg to 500ml glass bottle dextrose(100mcg/ml). Infusion should commence at 12ml per hour(20mcg/min) and increase by 3-6ml(5-10mcg/min) every 5 minutes until hypotension develops or chestpain goes, or ST segments become iso-electric. If no response increases by 12mls(20mcg/min) every 5 minutes are acceptable under close supervision. There is no fixed optimal dose of GTN. GTN should not be stopped abruptly. Infusion rate may be reduced by 10-20mcg/min every 20minutes, however this may vary from patient to patient.

NB: "Maximum concentration" should not exceed 200mg in 500ml.

A low absorption IV giving sets should be used.

May be administered by CVC or peripheral IV

Dose

Precautions Patient must have BP taken every time infusion is changed and hourly when it is stable. Ask about headache and chestpain regularly. Mild headache is acceptable.

Give more cautiously in presence of liver or renal disease. Paradoxical bradycardia and increased angina may result from hypotension

Compatibilities:

Created: 01-Jan-98 by Dr M Rowley Reviewed: 01-Jan-07 by Dr K Havill Guideline to be reviewed before : 01-Apr-10

These guidelines are intended for and to be used only by experienced critical care staff under direct supervision of Hunter Health Area Intensive Care Specialists in designated Hunter Health Area Critical Care Areas. The Authors will not be responsible for inappropriate use of these guidelines