

BRI ED Critical Care Pathway / Audit Document for AMI

Advance warning: Paramedic Time GP Time Time arrived Date arrived

Print Label:

Vital Signs Observations

| | | Time |
|----------|----------------------|----------------------|
| Pulse | <input type="text"/> | <input type="text"/> |
| BP R arm | <input type="text"/> | <input type="text"/> |
| Sats | <input type="text"/> | <input type="text"/> |
| Temp | <input type="text"/> | <input type="text"/> |

BM* L arm Resp

(Repeat obs every 5 mins while thrombolysing)
*Start IV insulin therapy if > 11mmol/l

12 Lead ECG recorded time:

First ECG Diagnostic ECG

A. >2mm ST elevn in 2+ cont chest leads
 B. >1mm ST elevn in 2+ cont limb ends
 C. New LBBB

Barn door AMI? Yes No

Repeat ECG 45 mins after starting of thrombolysis

If there is no improvement in the ST segments consider **Reteplase** for those patients given Streptokinase initially. Otherwise patients should be considered for angiography if a cath lab is available. Discuss with duty cardiology registrar.

| | | |
|----------------------|----------------------|---------------------------------|
| Chest pain onset | <input type="text"/> | |
| Call for help | <input type="text"/> | 999 <input type="checkbox"/> |
| Admission to ED | <input type="text"/> | GP-999 <input type="checkbox"/> |
| Nurse assessment | <input type="text"/> | GP <input type="checkbox"/> |
| Doctor assessment | <input type="text"/> | Self <input type="checkbox"/> |
| Thrombolysis | <input type="text"/> | |
| Door to needle | <input type="text"/> | |
| Arrange CCU transfer | <input type="text"/> | |
| Transfer to CCU | <input type="text"/> | |

Contraindications to be considered for thrombolysis:

| Y | N | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | Possible aneurysm |
| <input type="checkbox"/> | <input type="checkbox"/> | Active internal bleeding (<2/52) |
| <input type="checkbox"/> | <input type="checkbox"/> | Major surgery (<2/52) |
| <input type="checkbox"/> | <input type="checkbox"/> | Head injury |
| <input type="checkbox"/> | <input type="checkbox"/> | Bleeding disorder, thrombocytopenia |
| <input type="checkbox"/> | <input type="checkbox"/> | Stroke (<3/12) |
| <input type="checkbox"/> | <input type="checkbox"/> | Hypertensive ¹⁸⁰ / ₁₀₀ (consider atenolol [PTO]) |
| <input type="checkbox"/> | <input type="checkbox"/> | Hypotension, syst <90 (r-PA/cardiology) |
| <input type="checkbox"/> | <input type="checkbox"/> | Pregnancy |
| <input type="checkbox"/> | <input type="checkbox"/> | Malignancy, terminal illness |
| <input type="checkbox"/> | <input type="checkbox"/> | Jaundice, hepatitis or kidney failure |
| <input type="checkbox"/> | <input type="checkbox"/> | Use of anticoagulants |
| <input type="checkbox"/> | <input type="checkbox"/> | Infective endocarditis |
| <input type="checkbox"/> | <input type="checkbox"/> | Previous SK >5 days ago |

Seek senior advice (? primary angioplasty) if contraindications exist

Drugs procedure:

1. Aspirin Yes Where? Prehosp in ED
 No
 If not, why not? _____

2. Streptokinase Yes No
 If not, why not? – notes C/ls _____

SK 1.5 million units in 10ml sterile water then add to 50ml 0.9 saline. Give over 30-60 minutes via syringe driver. **Reduce dose to 1.0 million iu; if weight below 65kg, or aged greater than 70yrs, or if taking anticoagulant at admission**

3. Reteplase (r-PA) Yes No

Indication for:

- Ant MI, <4hrs, <75 yrs
- Previous SK (>5 days ago)
- Allergy to SK
- Syst BP <90

This is two bolus IV injections of 10MU each given slowly over two minutes. The second bolus is given 30 minutes after the first. **Heparin** 5,000iu is given intravenously as a bolus prior to the first dose and an infusion of **Heparin** 1000iu/hour started after the second dose of **Reteplase**. **Heparin** should be administered for at least 24hrs, preferably for 48 to 72 hours, aiming to keep APTT values at 1.5 to 2 times normal

Informed consent: Yes No

| Drugs: | Time admin. | Route |
|--------|-------------|-------|
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |

4. Prescribe the above + opiates, antiemetics, nitrates, B-blockers, heparin etc. on drug chart