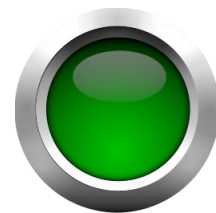


# Magnesium SOP

Para - PGD

Further reading

<https://bnf.nice.org.uk/drug/magnesium-sulfate.html>  
BTS/SIGN asthma guidelines 2019  
NICE guideline: Pre-eclampsia and eclampsia 2019  
GNAAS Magnesium PGD



## Indications

- i) Acute severe asthma
- ii) Severe pre-eclampsia or eclampsia
- iii) Torsade de pointes
- iv) Refractory tachyarrhythmias

## Effects and side-effects

May cause vasodilation, hypotension, bronchodilation, muscle weakness, confusion, nausea and vomiting.

## Presentation

A clear colourless solution in ampoules containing 1g magnesium sulfate in 10mls for intravenous use. May be given via nebuliser as mentioned below.

## Administration

### Acute severe asthma

- Adult** - Single dose of 2g IV/IO given over 20 minutes
- Children** - 150mg (1.5ml) in to each nebuliser mask, or single dose of 40mg/kg (max 2g) IV/IO over 20 minutes if not already given by nebuliser



# Magnesium SOP

Para - PGD

## Severe pre-eclampsia (BP>160/110) or eclampsia

Single dose 4g IV/IO administered over 5-15 minutes

## Torsade de pointes / Refractory tachyarrhythmia

Single dose 2g IV/IO administered over 10-15 minutes

## Contraindications

No specific contraindications