

Ref: FOIA Reference 2019/20-676

Royal Stoke University Hospital
Quality, Safety and Compliance Department
Newcastle Road
Stoke-on-Trent
Staffordshire
ST4 6QG

Date: 5th March 2020

Email foi@uhn.nhs.uk

Dear

I am writing in response to your email dated 18th February 2020 requesting information under the Freedom of Information Act (2000) regarding magnesium sulphate.

On the same day we contacted you via email as we required a time frame for questions 2, 3 and 4

On 27th February 2020 you replied via email with the following:

"Please see below questions from you re clarification of dates. I am happy to have numbers for a calendar year so 2019 for example would be sufficient"

As of 1st November 2014 University Hospitals of North Midlands NHS Trust (UHNM) manages two hospital sites – Royal Stoke University Hospital, and County Hospital (Stafford). Therefore the response below is for the two sites combined from that date where appropriate.

Q1 I would please like some information on the below:

**IV MgSO4 for Pre-eclampsia -
IV MgSO4 for Pre term labour to prevent cerebral palsy**

1. Does the hospital have a policy for the management of both of these conditions which includes the use of magnesium sulphate and when were the policies were written or last updated

1a. What dose is recommended in the policies and how is it administered?

A1 Please see below:

IV MgSO4 for Pre-eclampsia	Yes, January 2020
Loading dose of Magnesium Sulphate 50% at the UHNM	Magnesium Sulphate 4 g intravenously. Add 4 g (8ml of 50% magnesium sulphate) to 12 ml of 0.9% Normal Saline.
Maintenance dose of Magnesium Sulphate 50% at the UHNM	<ul style="list-style-type: none">• Magnesium sulphate 1 g/hr intravenously.• Add 5 g (10 ml magnesium sulphate 50%) to 40ml of 0.9% Normal Saline• Total volume equals 50 ml• 10 ml equals 1 g magnesium sulphate• Commence IVI via syringe driver at 10 ml/hr

IV MgSO ₄ for Pre term labour to prevent cerebral palsy	Yes, September 2019
Local guidance	Magnesium sulphate should be given in all threatened premature labours at 29+6 weeks or less unless a contraindication is present. The 20 minute load dose has been found to confer neuroprotection for foetus because of the rapid onset of effect. Ideally, time permitting; this should be followed up with a maintenance dose for maximum efficacy. It should also be considered for gestations from 30 to 33+6 weeks.
Regime: Loading dose:	<ul style="list-style-type: none"> • Add 4g (8ml of 50% magnesium sulphate) to 12 ml of 0.9% Normal Saline. • Administer via syringe driver IV over 15 minutes (infusion rate of 80 ml/hr).
Maintenance dose:	5g (10 ml magnesium sulphate 50%) added to 40ml of 0.9% Normal Saline and administer via syringe driver IV at a rate of 1g/hr for up to 24 hours or until delivery, whichever is earlier.

Q2 How many babies does the Trust deliver per year?

2b. How many babies are delivered under 33+6 weeks?

A2 Please see below:

- Live births 2019 = 6442
- Live births 2019 for < 33+6 = 146

Q3 What strengths of IV MgSO₄ does the pharmacy stock?

A3 Please see below:

Magnesium Sulfate 10% (1g/10mL) Injection
Magnesium Sulfate 50% (1g/2mL) Injection
Magnesium Sulfate 50% (25g/50mL) Infusion
Magnesium Sulfate 50% (5g/10mL) Injection

Q4 Have there been any serious incidents with the use of magnesium sulphate?

A4 No serious incidents with the use of magnesium sulphate reported

Q5 Have there been any patient safety incidents reported in relation to the prescription or administration of MgSO₄ in the last 3 years?

A5 No patient safety incidents reported in relation to the prescription or administration of MgSO₄ in the last 3 years

*Please note that any individuals identified do not give consent for their personal data to be processed for the purposes of direct marketing.

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An anonymised copy of this request can be found on the Trust's disclosure log, please note that all requests can be found at the following link: <http://www.uhnm.nhs.uk/aboutus/Statutory-Policies-and-Procedures/Pages/Freedom-of-Information-Disclosure-Log.aspx>

This letter confirms the completion of this request. A log of this request and a copy of this letter will be held by the Trust.

If you have any queries related to the response provided please in the first instance contact my office.

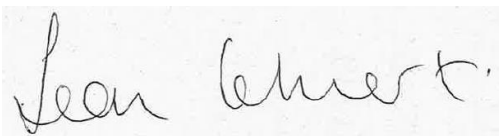
Should you have a complaint about the response or the handling of your request, please also contact my office to request a review of this. If having exhausted the Trust's FOIA complaints process you are still not satisfied, you are entitled to approach the Information Commissioner's Office (ICO) and request an assessment of the manner in which the Trust has managed your request.

The Information Commissioner may be contacted at:

Information Commissioner's Office, Wycliffe House, Water Lane, Wilmslow, Cheshire SK9 5AF or via www.ico.org.uk.

If following review of the responses I can be of any further assistance please contact my secretary on 01782 676474.

Yours,



Jean Lehnert
Information Governance Manager



University Hospitals
of North Midlands
NHS Trust

