# Copper Intravenous FOR DILUTION as Infusion for Medinfo Galway.ie Adults

#### Who can administer

May be administered by registered competent doctor or nurse/midwife

### Important information

- MUST be diluted in AT LEAST 100ml (pH prior to dilution is 2.0 i.e. very acidic & irritant)
- Unlicensed preparation
- Must be Consultant authorised

#### Available preparations

Copper Chloride (Cupric copper) 4mg per 10mL vial

#### Reconstitution

Already in solution

MUST dilute further prior to administration

#### Infusion fluids

Sodium chloride 0.9%

#### Methods of intravenous administration

Intermittent intravenous infusion (administer using an electronically controlled infusion device)

Add required dose to a MINIMUM of 100mL infusion fluid and administer over 2 to 4 hours (ref 1)

#### Dose in adults

#### **Usual dose (deficiency)**

 Give 2 to 4mg daily for six days or until normalisation of copper serum levels and resolution of signs/symptoms

#### Monitoring

Monitor copper levels closely

#### Further information

• Limited information available for dosage and administration of copper injection alone - as it is usually part of Parenteral Nutrition bags

## Storage

Store at room temperature

## References

1: What is the evidence supporting the use of intravenous copper for copper deficiency? Drug Information Group, University of Illinois Chicago November 2022