# Cernevit Intravenous for Adults

## Who can administer

May be administered by registered competent doctor or nurse/midwife

## Important information

- See monitoring section re **INR** monitoring

## Available preparations

Cernevit vialÂ

## Reconstitution

#### Water for injection

5ml per vial

## Infusion fluids

Sodium chloride 0.9% or Glucose 5%

## Methods of intravenous administration

#### Intermittent Intravenous infusion (preferred route)

- Can be given in 100ml infusion fluid [ref 1] but it must be administered over least 10 minutes
- A 50ml infusion may be used if required (eg fluid restriction) but the residual volume in the infusion line must be flushed through at the same rate to avoid significant underdosing

#### Slow Intravenous Injection

- Administer over at least 10 minutes

## Dose in adults

#### Usual dose

- One vial daily

# Monitoring

- **Watch INR** in patients on long-term treatment as **Cernevit does NOT contain Vitamin K**
- Therefore a hypocoagulable state is possible, particularly in patients on long-term treatment with Cernevit, without separate administration of Vitamin K
- Monitor LFTs
- Check B12 levels- as deficiency may require higher doses than that contained in Cernevit
- Monitor for Vitamin toxicity, particularly in patients receiving long-term supplementation

# Further information

Each vial contains the equivalent of:

| | |
|---|---|
| Retinol (as retinol palmitate) | 3,500 units |
| Cholecalciferol | 220 units |
| Alpha-tocopherol | 11.2 units |
| Ascorbic acid | 125mg |
| Thiamine (as co-carboxylase tetrahydrate) | 3.51mg |
| Riboflavin (as riboflavin dihydrated sodium phosphate) | 4.14mg |
| Pyridoxine (as pyridoxine hydrochloride) | 4.53mg |
| Cyanocobalamin | 6 micrograms |
| Folic acid | 414 micrograms |
| Pantothenic acid (as dexpanthenol) | 17.25mg |
| Biotin | 69 micrograms |
| Nicotinamide | 46mg |

**NB: No vitamin K contained**

# Storage

Store below $25^{0}$C

# References

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1. UKCPA, Minimum infusion volumes 4th Edition

# Therapeutic classification

Intravenous nutrition