

## IBUPROFEN

Indication	Route		Dose	Frequency
Closure of PDA (licensed for under 34 weeks gestation)	I.V./Oral	1 <sup>st</sup> dose (load)	10mg/kg	24-hourly
		2 <sup>nd</sup> dose	5mg/kg	
		3 <sup>rd</sup> dose		

### Administration Details

Preferably give undiluted but can be diluted with sodium chloride 0.9% or glucose 5% if required.

Infuse over 15 minutes.

IV line must be flushed before and after administration as injection should not come in contact with acidic drugs.

### Monitoring

Monitor renal function (including recording of urine output), full blood count, liver function (including clotting factors), and watch for signs of necrotising enterocolitis.

### Further Information

Not to be used as an analgesia in this neonatal unit.

Contraindicated in patients with coagulation defects or active bleeding.

If anuria or manifest oliguria occurs, withhold next dose until urine output resolves.

### Repeated course

A second course of ibuprofen may be given if the PDA has not closed 24-48 hours after the last dose or if it re-opens. The second course dosing of ibuprofen is the same as the first course.

#### References:

British Medical Association, Royal Pharmaceutical Society of Great Britain and Royal College of Paediatrics and Child Health. BNF for Children [August 2020]. Electronic edition. London: BMJ Publishing Group Ltd, RPS Publishing and RCPCH Publications Ltd. Accessed via <https://www.medicinescomplete.com/#/browse/bnfc> (24/08/23)

Guy's & St. Thomas', King's College and University Lewisham Hospitals *Paediatric Formulary*. Online Edition. London. Guy's St. Thomas NHS Foundation Trust. Accessed on 24/08/2023

Summary of Product Characteristics (Pedeia 5 mg/ml solution for injection). Accessed via <http://www.emc.medicines.org.uk/> (24/08/23)

Medusa Injectable Medicines Guide. *Ibuprofen*. Accessed via <http://medusa.wales.nhs.uk/> (24/08/2023)