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MEDICINES STANDARD OPERATING PROCEDURE (MSOP)

IBUPROFEN (Oral & Suspension)

Name of Medicine:	IBUPROFEN			
Procedural Number:	MSOP003			
Departments Affected:	Management & Operations			
Version:	V1.0			
Legal Category of Medicine:	General Sales Licence (GSL)			
Staff Grade Authorised to Use:	☐ First Aider			
	☐ First Responder			
	☐ Emergency Care Assistant			
	☑ IHCD Technician			
	☑ Paramedic			
	☑ Nurse			
	☑ Emergency Care Practitioner (Paramedic)			
	☑ Emergency Nurse Practitioner (Nurse)			
Review Period:	3 Year			
Effective Date	07/07/2018			
Review Date	07/07/2021			
Category:	CLINICAL MANDATORY			
	No deviation from the procedure			
Approved By:	Medical Advisory			
	Clinical Lead			
	Directors			

Training and Competency					
Training	 The staff member must have completed the necessary training in order to administer the above medicine in line with their qualification. The staff member is responsible for keeping his/herself aware of any changes to the recommendations for the medicine listed. It is the responsibility of the individual to keep up-to-date with continued professional development and to work within the limitations of their own individual scope of practice. 				
Competency	 Successful completion of a competency assessment in the use of this medicine for the indications stated. Completion of education in both the legal and professional aspects of medicines administration. 				



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Clinical Situation / Requirement					
Clinical Indication	 Relief of mild/moderate pain Soft tissue injuries Pyrexia Best when used as part of a balanced analgesic regimen. 				
Inclusion Criteria	Adults and Children 3 months old and over.				
Contra-Indications / Exclusions	 Less than 3 months of age Previous gastro-intestinal (GI) bleeding or ulceration Previous history of hypersensitivity, including bronchospasm, asthma attacks, angioedema, urticaria or rhinitis precipitated by aspirin or any other non-steroidal anti-inflammatory drug (NSAID) Coagulation defects Patients taking anticoagulants Patients taking another NSAID (NB this does not apply to patients taking 75 mg aspirin) Patients currently taking lithium or methotrexate Renal transplant patients currently taking immune-suppressants such as ciclosporin or tacrolimus Patients who have taken mifepristone in the last 12 days Pregnancy Known hepatic, renal, cardiac failure 				
Cautions	 Elderly patients are more likely to experience side effects, especially GI bleeding / perforation. Patients with hypertension or coronary heart disease: ibuprofen may exacerbate symptoms Concurrent use with oral corticosteroids or antidepressants (selective serotonin reuptake inhibitors or venlafaxine): increased risk of bleeding Concurrent use with angiotensin-converting enzyme inhibitors: increased risk of renal impairment & ibuprofen may antagonise hypotensive effect Oral antidiabetics (Sulfonylureas): may enhance blood glucose lowering effect. Concurrent use with ciprofloxacin, norfloxacin or other quinolone antibiotics may induce convulsions. Patients with asthma: bronchospasm may occur Patients with ulcerative colitis or Crohn's disease: may exacerbate condition 				
Side Effects	Common: GI discomfort i.e. nausea, vomiting, indigestion, abdominal pain and diarrhoea				



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	Occasional: Tinnitus, headache, GI bleeding and ulceration Can
	worsen asthma in susceptible individuals
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	Hypersensitivity reactions with rashes, bronchospasm, angioedema,
	anaphylaxis
	Uncommon:, fluid retention, dizziness, drowsiness, insomnia,
	vertigo, hearing disturbances, haematuria, photosensitivity
	May provoke renal failure in patients with pre existing renal
	impairment
	Very rare: hepatic damage, alveolitis, pulmonary eosinophilia,
	pancreatitis, eye changes, Stevens-Johnson syndrome, toxic
	epidermal necrolysis
Action if	Refer to medical practitioner
Excluded/Contraindicated	
Action if patient declines	Document as appropriate and refer to medical practitioner

Description of Treatment							
Generic Name	Ibuprofen						
Presentation	Ibuprofen tablets 200mg & 400 mg Ibuprofen suspension 100mg/5ml						
Route	Oral & Suspension						
Dosage & Administration	Route: Oral & Suspension						
	AGE	INITIAL DOSE	REPEAT DOSE	DOSE INTERVAL	CONCENTRATION	VOLUME	MAXIMUM DOSE
	12 years - Adult	400 milligrams	400 milligrams	8 hours	Various	Varies	1.2 grams per 24 hours
	11 years	300 milligrams	300 milligrams	8 hours	100 milligrams in 5 ml	15 ml	900 milligrams per 24 hours
	10 years	300 milligrams	300 milligrams	8 hours	100 milligrams in 5 ml	15 ml	900 milligrams per 24 hours
	9 years	200 milligrams	200 milligrams	8 hours	100 milligrams in 5 ml	10 ml	600 milligrams per 24 hours
	8 years	200 milligrams	200 milligrams	8 hours	100 milligrams in 5 ml	10 ml	600 milligrams per 24 hours
	7 years	200 milligrams	200 milligrams	8 hours	100 milligrams in 5 ml	10 ml	600 milligrams per 24 hours
	6 years	150 milligrams	150 milligrams	8 hours	100 milligrams in 5 ml	7.5 ml	450 milligrams per 24 hours
	5 years	150 milligrams	150 milligrams	8 hours	100 milligrams in 5 ml	7.5 ml	450 milligrams per 24 hours
	4 years	150 milligrams	150 milligrams	8 hours	100 milligrams in 5 ml	7.5 ml	450 milligrams per 24 hours
	3 years	100 milligrams	100 milligrams	8 hours	100 milligrams in 5 ml	5 ml	300 milligrams per 24 hours
	2 years	100 milligrams	100 milligrams	8 hours	100 milligrams in 5 ml	5 ml	300 milligrams per 24 hours
	18 months	100 milligrams	100 milligrams	8 hours	100 milligrams in 5 ml	5 ml	300 milligrams per 24 hours
	12 months	100 milligrams	100 milligrams	8 hours	100 milligrams in 5 ml	5 ml	300 milligrams per 24 hours
	9 months	50 milligrams	50 milligrams	8 hours	100 milligrams in 5 ml	2.5 ml	150 milligrams per 24 hours
	6 months	50 milligrams	50 milligrams	8 hours	100 milligrams in 5 ml	2.5 ml	150 milligrams per 24 hours
	3 months	50 milligrams	50 milligrams	8 hours	100 milligrams in 5 ml	2.5 ml	150 milligrams per 24 hours
	1 month	N/A	N/A	N/A	N/A	N/A	N/A
	Birth	N/A	N/A	N/A	N/A	N/A	N/A



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Advice to Patient	 Ensure maximum daily dosage is not exceeded. Doses should be given at least 4 hours apart. Take with or after food/milk to minimise GI discomfort Take regularly to prevent pain / reduce inflammation In children with fever continue dosing for only as long as the child appears distressed. Do not take any high dose aspirin containing products or other NSAID whilst taking ibuprofen. Discontinue if side effects develop Product information leaflet should be given to patient. If response to appropriate doses of ibuprofen alone is insufficient, consider staggering doses of ibuprofen and paracetamol 2-3 hours apart. 			
Records	Complete patient clinical record (PCR/PRF)			
	In the event of a reaction or medicines incident, complete an Incident Report Form (IR1)			
Related Documents /	British National Formulary (BNF)			
Reference	, , ,			
Reference	UK Ambulance Service Clinical Practice Guidelines			
	The electronic Medicines Compendium (eMC)			

Authorised By:			
Name:	Title:	Signature	Date:
Daniel Ruscoe	Clinical Director & Clinical Lead	232	07/07/2018
Jack Squires	Operations Director	A	07/07/2018
Dr Arihant Jain	Medical Advisor	Jun ON	07/07/2018

This Medicines Standard Operating Procedure must be signed by the Clinical Lead, Clinical Operations Director and Medical Advisor to be valid.

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